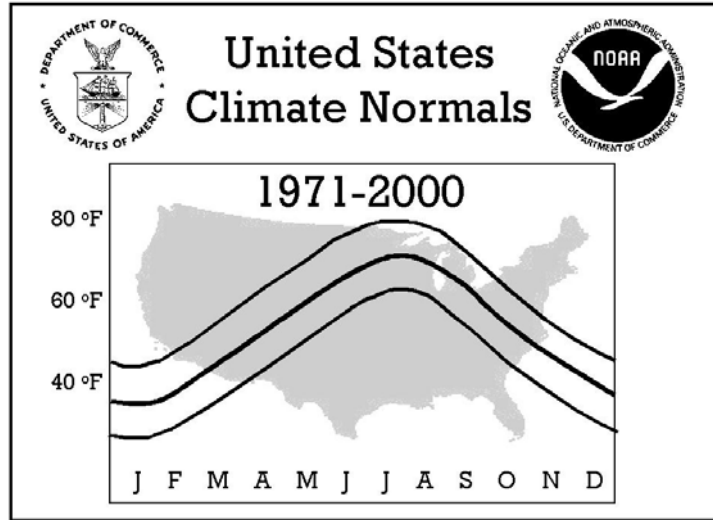


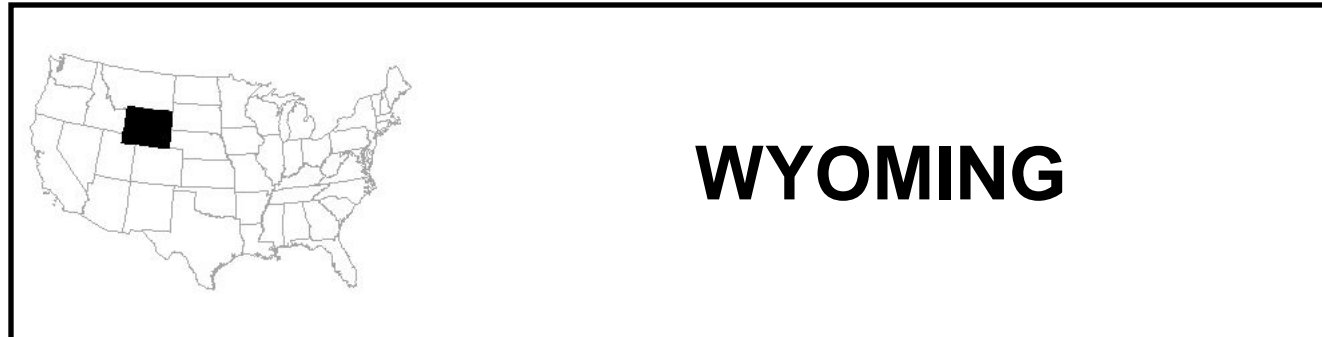
CLIMATOGRAPHY OF THE UNITED STATES NO. 20



Monthly Station Climate Summaries, 1971-2000



- TEMPERATURE
- PRECIPITATION
- SNOW
- FREEZE DATA
- DEGREE DAYS



NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL ENVIRONMENTAL SATELLITE, DATA, AND INFORMATION SERVICE
NATIONAL CLIMATIC DATA CENTER
ASHEVILLE, NC

Issue Date: FEB 2004

INTRODUCTION

The Climatology of the United States No. 20 Monthly Station Climate Summaries for the 1971-2000 period of record are station summaries of particular interest to agriculture, industry and engineering applications and include a variety of statistics for temperature, precipitation, snow, and degree day elements for 4,263 stations. The new CLIM20's update and expand on the previous version (1,879 stations) which was last published in 1985 and covered the period 1951-1980. The types of statistics include means, median (precipitation and snow elements), extremes, mean number of days exceeding threshold values, and probabilities for monthly precipitation and freeze data. There is also a table for each station with heating, cooling, and growing degree days for various temperature bases. New columns added by element table are below:

a. Temperature Table:

1. Highest and lowest monthly mean temperature and year of occurrence
2. Mean number of days greater than or equal to 50/100 degrees Fahrenheit

b. Precipitation Table:

1. Median monthly precipitation
2. Lowest monthly total precipitation and year of occurrence
3. Mean number of days greater than or equal to 0.01 inches

c. Snow Table:

1. Median monthly snowfall/snow depth
2. Mean snow depth and highest monthly mean snow depth and year of occurrence
3. Highest daily snowfall/snowfall and date of occurrence
4. Mean number of days greater than or equal to following thresholds, (0.1, 1.0, 3.0, 5.0, 10.0 inches)

d. Degree Days Table:

Added 32 degrees Fahrenheit as a base for HDD/CDD

Notes

- a. The monthly means are simple arithmetic averages computed by summing the monthly values for the period 1971-2000 and dividing by thirty. Prior to averaging, the data are adjusted if necessary to compensate for data quality issues, station moves or changes in station reporting practices. Missing months are replaced by estimates based on neighboring stations.
- b. The median is defined as the middle value in an ordered set of values. The median is being provided for the snow and precipitation elements because the mean can be a misleading value for precipitation normals.
- c. Only observed validated values were used to select the extreme daily values.
- d. Extreme monthly temperature/precipitation means were selected from the monthly normals data.
Monthly snow extremes were calculated from daily values quality controlled to be consistent with the Snow Climatology.
- e. Degree Days were derived using the same techniques as the 1971-2000 normals.
Complete documentation for the 1971-2000 Normals is available on the internet from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html
- f. Mean "number of days statistics" for temperature and precipitation were calculated from a serially complete daily data set.
Documentation of the serially complete data set is available from the link below:
- g. Snowfall and snow depth statistics were derived from the Snow Climatology.
Documentation for the Snow Climatology project is available from the link under references.

Data Sources for Tables

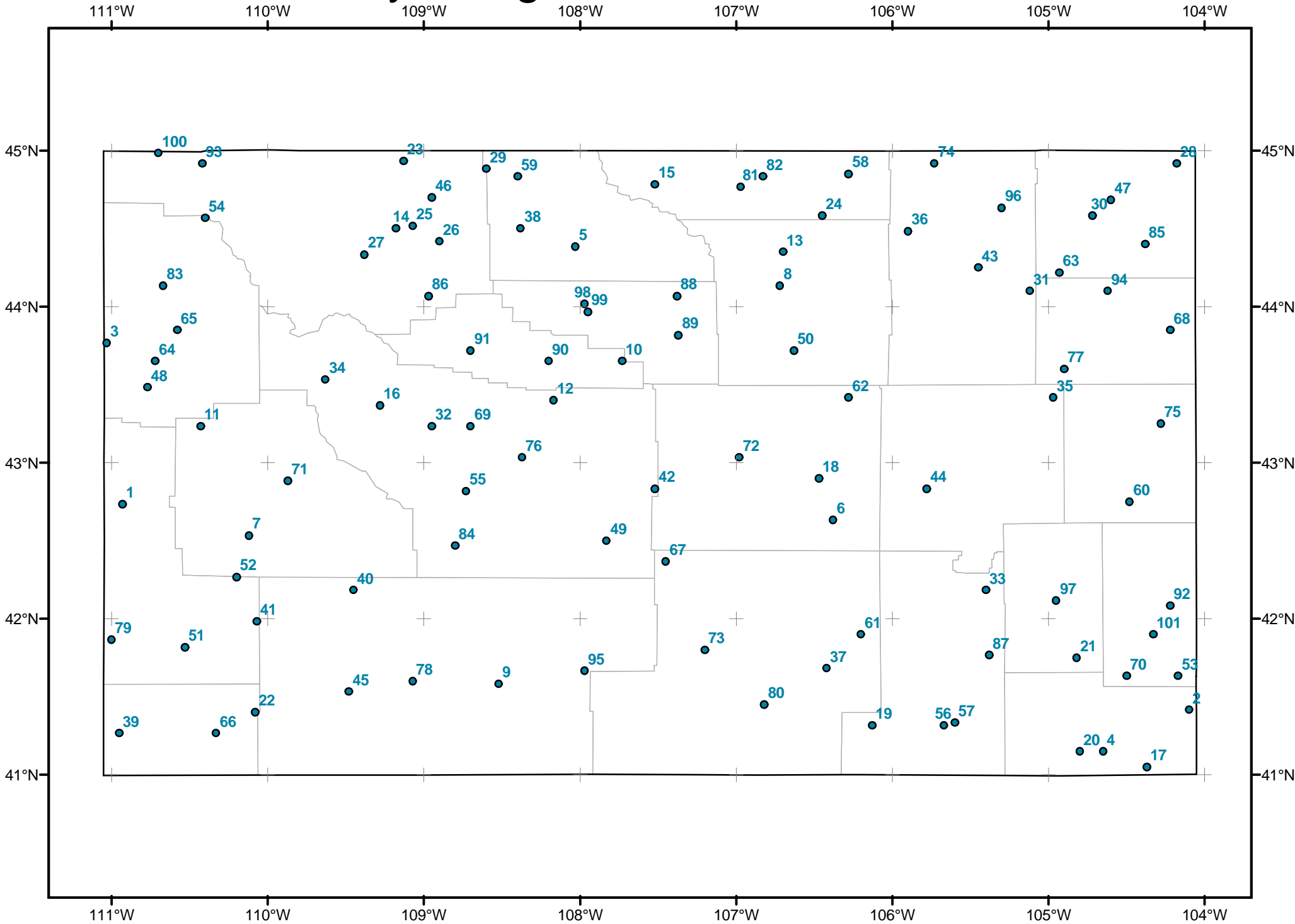
Several different data sources were used to create the Clim20 climate summaries. In some cases the daily extremes appear inconsistent with the monthly extremes and or the mean number of days statistics. For example, a high daily extreme value may not be reflected in the highest monthly value or the mean number of days threshold that is less than and equal to the extreme value. Some of these difference are caused by different periods of record. Daily extremes are derived from the station's entire period of record while the serial data and normals data were are for the 1971-2000 period. Therefore extremes observed before 1971 would not be included in the 1971-2000 normals or the 1971-2000 serial daily data set. Inconsistencies can also occur when monthly values are adjusted to reflect the current observing conditions or were replaced during the 1971-2000 Monthly Normals processing and are not reconciled with the Summary of the Day data.

- a. Temperature/ Precipitation Tables
 1. 1971-2000 Monthly Normals
 2. Cooperative Summary of the Day
 3. National Weather Service station records
 4. 1971-2000 serially complete daily data
- b. Degree Day Table
 1. Monthly and Annual Heating and Cooling Degree Days Normals to Selected Bases derived from 1971-2000 Monthly Normals
 2. Daily Normal Growing Degree Units to Selected Base Temperatures derived from 1971-2000 serially complete daily data
- c. Snow Tables
 1. Snow Climatology
 2. Cooperative Summary of the Day
- d. Freeze Data Table
1971-2000 serially complete daily data

References

- U.S. Climate Normals 1971-2000, www.ncdc.noaa.gov/normal.html
U.S. Climate Normals 1971-2000-Products Clim20, www.ncdc.noaa.gov/oa/climate/normal/usnormalsprods.html
Snow Climatology Project Description, www.ncdc.noaa.gov/oa/climate/monitoring/snowclim/mainpage.html
Eischeid, J. K., P. Pasteris, H. F. Diaz, M. Plantico, and N. Lott, 2000: Creating a serially complete, national daily time series of temperature and precipitation for the Western United States. J. Appl. Meteorol., 39, 1580-1591,
www1.ncdc.noaa.gov/pub/data/special/serialcomplete_jam_0900.pdf

Wyoming Station Locations



Climatography of the United States NO.20 (1971-2000)

Station Information List for

Wyoming

Map Num	COOP ID	Station Name, State	Latitude (DEG MN)	Longitude (DEG MN)	Elevation (Feet)	Climate DIV	Period of Record	Call Sign
001	480027	AFTON, WY	4244N	11056W	6,210	2	1957-2001	
002	480080	ALBIN, WY	4125N	10406W	5,345	8	1948-2001	
003	480140	ALTA 1 NNW, WY	4346N	11102W	6,430	2	1948-2001	
004	480270	ARCHER, WY	4109N	10439W	6,010	8	1948-2001	
005	480540	BASIN, WY	4423N	10802W	3,837	4	1948-2001	
006	480552	BATES CREEK NO 2, WY	4238N	10623W	6,010	10	1969-2001	
007	480695	BIG PINEY, WY	4232N	11007W	6,820	3	1948-2001	
008	480740	BILLY CREEK, WY	4408N	10643W	4,975	5	1962-2001	
009	480761	BITTER CREEK 4 NE, WY	4135N	10831W	6,720	3	1962-2001	
010	480778	BLACK MOUNTAIN, WY	4339N	10744W	5,635	4	1963-2001	
011	480865	BONDURANT, WY	4314N	11026W	6,535	2	1948-2001	
012	481000	BOYSEN DAM, WY	4324N	10810W	4,810	9	1948-2001	
013	481165	BUFFALO, WY	4421N	10642W	4,670	5	1948-2001	
014	481175	BUFFALO BILL DAM, WY	4430N	10911W	5,156	4	1948-2001	
015	481220	BURGESS JUNCTION, WY	4447N	10731W	8,040	5	1960-2001	
016	481284	BURRIS, WY	4322N	10917W	6,120	9	1951-2001	
017	481547	CARPENTER, WY	4103N	10422W	5,390	8	1948-2001	
018	481570	CASPER NATRONA CO AP, WY	4254N	10628W	5,338	8	1948-2001	CPR
019	481610	CENTENNIAL 1 N, WY	4119N	10608W	4,160	10	1948-2001	
020	481675	CHEYENNE MUNICIPAL AP, WY	4109N	10448W	6,115	8	1915-2001	CYS
021	481730	CHUGWATER, WY	4145N	10449W	5,304	8	1915-2001	
022	481736	CHURCH BUTTES GAS PLT, WY	4124N	11005W	7,075	3	1891-2001	
023	481775	CLARK 3 NE, WY	4456N	10908W	4,090	1	1961-2001	
024	481816	CLEARMONT 5 SW, WY	4435N	10627W	3,995	5	1881-2001	
025	481840	CODY, WY	4431N	10904W	5,050	4	1915-2001	
026	481850	CODY 12 SE, WY	4425N	10854W	5,248	4	1949-2001	
027	481855	CODY 21 SW, WY	4420N	10923W	5,840	4	1958-2001	
028	481905	COLONY, WY	4455N	10411W	3,570	6	1915-2001	
029	482415	DEAVER, WY	4453N	10836W	4,105	4	1948-2001	
030	482466	DEVILS TOWER 2, WY	4435N	10443W	3,862	6	1959-2001	
031	482580	DILLINGER, WY	4406N	10507W	4,310	6	1948-2001	

032	482595	DIVERSION DAM, WY	4314N	10857W	5,575	9	1948-2001	
033	482680	DOUBLE FOUR RANCH, WY	4211N	10524W	6,199	8	1948-2001	
034	482715	DUBOIS, WY	4332N	10938W	6,960	9	1948-2001	
035	482725	DULL CENTER 1 SE, WY	4325N	10458W	4,415	7	1948-2001	
036	482881	ECHETA 2 NW, WY	4429N	10554W	4,000	5	1949-2001	
037	482995	ELK MOUNTAIN, WY	4141N	10625W	7,265	10	1948-2001	
038	483031	EMBLEM, WY	4430N	10823W	4,448	4	1949-2001	
039	483100	EVANSTON 1 E, WY	4116N	11057W	6,825	3	1890-2001	
040	483170	FARSON 5 N, WY	4211N	10927W	6,675	3	1915-2001	
041	483396	FONTENELLE DAM, WY	4159N	11004W	6,480	3	1963-2001	
042	483801	GAS HILLS 4 E, WY	4250N	10731W	6,470	9	1962-2001	
043	483855	GILLETTE 6 SE, WY	4415N	10527W	4,640	6	1925-2001	
044	483950	GLENROCK 5 ESE, WY	4250N	10547W	4,948	8	1948-2001	
045	484065	GREEN RIVER, WY	4132N	10929W	6,077	3	1915-2001	
046	484411	HEART MOUNTAIN, WY	4442N	10857W	4,790	4	1949-2001	
047	484760	HULETT, WY	4441N	10436W	3,758	6	1948-2001	
048	484910	JACKSON, WY	4329N	11046W	6,230	2	1948-2001	
049	484925	JEFFREY CITY, WY	4230N	10750W	6,320	10	1964-2001	
050	485055	KAYCEE, WY	4343N	10638W	4,660	5	1948-2001	
051	485105	KEMMERER 2 N, WY	4149N	11032W	6,926	3	1948-2001	
052	485252	LA BARGE, WY	4216N	11012W	6,595	3	1958-2001	
053	485260	LA GRANGE, WY	4138N	10410W	4,590	8	1948-2001	
054	485345	LAKE YELLOWSTONE, WY	4434N	11024W	7,870	1	1948-2001	
055	485390	LANDER AP, WY	4249N	10844W	5,557	9	1948-2001	LND
056	485415	LARAMIE RGNL AP, WY	4119N	10540W	7,266	10	1948-2001	LAR
057	485435	LARAMIE 2 NW, WY	4120N	10536W	7,140	10	1966-2001	
058	485506	LEITER 9 N, WY	4451N	10617W	4,160	5	1964-2001	
059	485770	LOVELL, WY	4450N	10824W	3,837	4	1948-2001	
060	485830	LUSK 2 SW, WY	4245N	10429W	5,090	7	1915-2001	
061	486120	MEDICINE BOW, WY	4154N	10612W	6,570	10	1881-2001	
062	486195	MIDWEST, WY	4325N	10617W	4,860	5	1948-2001	
063	486395	MOORCROFT 3 S, WY	4413N	10456W	4,325	6	1948-2001	
064	486428	MOOSE, WY	4339N	11043W	6,470	2	1958-2001	
065	486440	MORAN 5 WNW, WY	4351N	11035W	6,798	2	1915-2001	
066	486555	MOUNTAIN VIEW, WY	4116N	11020W	6,800	3	1966-2001	
067	486595	MUDDY GAP, WY	4222N	10727W	6,245	10	1949-2001	
068	486660	NEWCASTLE, WY	4351N	10413W	4,315	7	1918-2001	

069	487115	PAVILLION, WY	4314N	10842W	5,420	9	1948-2001	
070	487200	PHILLIPS, WY	4138N	10430W	4,982	8	1948-2001	
071	487260	PINEDALE, WY	4253N	10952W	7,195	3	1948-2001	
072	487376	POWDER RIVER NO 2, WY	4302N	10659W	5,700	5	1964-2001	
073	487533	RAWLINS AP, WY	4148N	10712W	6,736	10	1951-2000	RWL
074	487548	RECLUSE 11 NNW, WY	4455N	10544W	3,750	5	1966-2001	
075	487555	REDBIRD, WY	4315N	10417W	3,890	7	1948-2001	
076	487760	RIVERTON, WY	4302N	10822W	4,955	9	1918-2001	
077	487810	ROCHELLE 3 E, WY	4336N	10454W	4,496	7	1948-2001	
078	487845	ROCK SPRINGS AP, WY	4136N	10904W	6,741	3	1948-2001	RKS
079	487955	SAGE 4 NNW, WY	4152N	11100W	6,210	3	1948-2001	
080	487990	SARATOGA, WY	4127N	10649W	6,790	10	1948-2001	
081	488155	SHERIDAN AP, WY	4446N	10658W	3,964	5	1948-2001	SHR
082	488160	SHERIDAN FIELD STN, WY	4450N	10650W	3,750	5	1920-2001	
083	488315	SNAKE RIVER, WY	4408N	11040W	6,882	2	1948-2001	
084	488385	SOUTH PASS CITY, WY	4228N	10848W	7,840	10	1915-2001	
085	488705	SUNDANCE, WY	4424N	10423W	4,750	6	1915-2001	
086	488758	SUNSHINE 3 NE, WY	4404N	10858W	6,300	4	1963-2001	
087	488808	SYBILLE RESEARCH UNIT, WY	4146N	10523W	6,100	8	1964-2001	
088	488852	TEN SLEEP 4 NE, WY	4404N	10723W	4,820	4	1964-2001	
089	488858	TEN SLEEP 16 SSE, WY	4349N	10722W	4,680	4	1955-2001	
090	488875	THERMOPOLIS, WY	4339N	10812W	4,313	4	1948-2001	
091	488888	THERMOPOLIS 25 WNW, WY	4343N	10842W	5,695	4	1951-2001	
092	488995	TORRINGTON EXP FARM, WY	4205N	10413W	4,098	8	1922-2001	
093	489025	TOWER FALLS, WY	4455N	11025W	6,266	1	1948-2001	
094	489205	UPTON, WY	4406N	10437W	4,320	7	1948-2001	
095	489459	WAMSUTTER, WY	4140N	10758W	6,740	3	1948-2001	
096	489580	WESTON 1 E, WY	4438N	10518W	3,525	5	1951-2001	
097	489615	WHEATLAND 4 N, WY	4207N	10457W	4,638	8	1915-2001	
098	489770	WORLAND, WY	4401N	10758W	4,060	4	1915-2001	
099	489785	WORLAND MUNICIPAL AP, WY	4358N	10757W	4,172	4	1960-2001	WRL
100	489905	YELLOWSTONE PARK MAMMOTH, WY	4459N	11042W	6,230	1	1948-2001	
101	489925	YODER 2 WSW, WY	4154N	10420W	4,289	8	1948-2001	

Climatology of the United States

No. 20

1971-2000

Station: AFTON, WY

COOP ID: 480027

Climate Division: WY 2

NWS Call Sign:

Elevation: 6,210 Feet Lat: 42°44N

Lon: 110°56W

Temperature (°F)																					
Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	27.3	1.7	14.5	54	1974	16	22.1	1998	-46	1979	1	1.8	1979	1566	0	.0	.0	@	18.1	30.9	12.4
Feb	32.4	5.9	19.2	56	1958	20	27.3	1995	-40	1982	5	11.1	1985	1283	0	.0	.0	.6	10.2	28.1	8.9
Mar	40.4	14.9	27.7	68	1970	17	35.5	1992	-22	1976	5	19.0	1976	1158	0	.0	.0	4.7	2.1	30.7	2.2
Apr	50.1	23.5	36.8	78	1977	23	43.1	1992	-3	1975	2	29.2	1975	846	0	.0	.0	17.2	.2	27.0	.2
May	61.3	31.9	46.6	85+	1969	24	51.6	1992	9	1988	2	42.3	1975	570	0	.0	.0	27.8	.0	17.0	.0
Jun	71.7	38.1	54.9	94+	1988	27	61.1	1988	19	1976	18	50.4	1998	309	6	.0	.4	29.8	.0	5.4	.0
Jul	79.9	43.1	61.5	95+	2001	5	64.6+	1989	26	1981	8	53.6	1993	146	37	.0	2.0	31.0	.0	.9	.0
Aug	79.3	41.8	60.6	96	2000	1	65.7	2000	21	1974	21	56.7	1993	166	29	.0	1.5	31.0	.0	2.3	.0
Sep	69.3	33.1	51.2	93	1967	5	58.9	1990	11	1983	20	45.5	1986	415	2	.0	.1	29.1	.0	13.8	.0
Oct	57.6	23.4	40.5	83	1992	1	46.4	1988	-2	1991	30	34.8	1984	760	0	.0	.0	24.8	.3	27.1	.1
Nov	39.0	13.8	26.4	70	1976	6	35.1	1999	-22	1979	30	18.5	2000	1158	0	.0	.0	6.6	6.7	29.2	2.8
Dec	28.0	2.8	15.4	58	1995	1	22.2	1996	-38	1972	11	7.9	1990	1538	0	.0	.0	.4	18.4	30.8	12.2
Ann	53.0	22.8	37.9	96	Aug 2000	1	65.7	Aug 2000	-46	Jan 1979	1	1.8	Jan 1979	9915	74	.0	4.0	203.0	56.0	243.2	38.8

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1957-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20 1971-2000

Station: AFTON, WY

COOP ID: 480027

Climate Division: WY 2

NWS Call Sign:

Elevation: 6,210 Feet Lat: 42° 44N

Lon: 110° 56W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1)											
														Probability that the monthly/annual precipitation will be equal to or less than the indicated amount											
Means/Medians(1)		Extremes								Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels											
														These values were determined from the incomplete gamma distribution											
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95	
Jan	1.51	1.32	.84	1980	14	3.70	1980	.44	1992	12.0	6.0	.3	.0	.52	.66	.87	1.05	1.21	1.39	1.58	1.80	2.08	2.52	2.92	
Feb	1.19	1.14	.95	1960	8	3.64	1986	.36	1991	9.3	4.4	.2	.0	.38	.49	.66	.80	.94	1.08	1.24	1.42	1.66	2.02	2.36	
Mar	1.44	1.36	1.10	1984	18	3.14	1989	.41	1987	9.7	4.5	.5	@	.54	.68	.87	1.03	1.18	1.34	1.51	1.70	1.95	2.33	2.68	
Apr	1.65	1.55	1.12	1982	12	4.37	1986	.28	1996	9.1	5.3	.6	.1	.37	.53	.77	.98	1.20	1.43	1.69	2.00	2.41	3.06	3.67	
May	2.19	1.92	1.60	1966	10	5.48	1981	.00	1998	11.4	6.9	.8	@	.62	.93	1.28	1.55	1.81	2.06	2.33	2.65	3.05	3.67	4.23	
Jun	1.49	1.51	1.71	1964	7	3.24	1998	.31	1996	8.1	4.5	.5	.1	.33	.47	.69	.89	1.09	1.29	1.53	1.81	2.18	2.77	3.32	
Jul	1.42	1.31	1.34	1982	29	3.79	1982	.04	1988	6.9	3.7	.9	.2	.10	.19	.37	.57	.78	1.04	1.34	1.72	2.26	3.16	4.06	
Aug	1.26	1.22	1.60	1967	3	2.91	1977	.00	1996	7.0	3.6	.7	.1	.19	.35	.57	.74	.92	1.10	1.31	1.55	1.87	2.38	2.86	
Sep	1.61	1.39	1.51	1984	23	4.54	1982	.00+	1975	7.3	4.2	.7	.1	.00	.27	.59	.85	1.10	1.36	1.66	2.01	2.48	3.23	3.94	
Oct	1.49	1.35	1.15	1991	28	3.59	1994	.04	1978	7.9	4.5	.6	@	.20	.32	.54	.74	.96	1.20	1.48	1.83	2.29	3.05	3.78	
Nov	1.46	1.27	1.00	1958	14	3.62	1983	.07	1976	10.0	5.3	.3	.0	.32	.45	.67	.86	1.05	1.26	1.49	1.77	2.13	2.72	3.27	
Dec	1.43	1.10	1.18	1964	23	5.21	1977	.13	1986	10.6	4.6	.3	@	.19	.30	.51	.71	.92	1.15	1.42	1.75	2.20	2.94	3.65	
Ann	18.14	17.82	1.71	Jun 1964	7	5.48	May 1981	.00+	May 1998	109.3	57.5	6.4	.6	11.61	12.83	14.41	15.63	16.73	17.80	18.91	20.16	21.68	23.91	25.87	

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1957-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: AFTON, WY

COOP ID: 480027

Climate Division: WY 2

NWS Call Sign:

Elevation: 6,210 Feet

Lat: 42° 44N

Lon: 110° 56W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	16.6	16.2	14	15	8.0	1981	26	26.9	1981	32	1974	12	27+	1979	8.7	6.8	2.0	.6	.0	-9.9	-9.9	-9.9	-9.9
Feb	11.1	10.7	16	15	12.0	1976	17	27.0	1978	40	1978	16	32+	1979	5.7	4.4	1.2	.4	.1	-9.9	-9.9	-9.9	-9.9
Mar	13.0	11.7	10	9	12.0	1994	23	31.5	1985	37	1978	1	25	1985	5.1	3.8	1.5	.5	@	14.9	13.5	12.0	7.8
Apr	5.2	2.6	2	#	8.0	1983	3	21.7	1983	20	1976	1	10	1973	2.3	1.6	.8	.1	.0	3.6	2.9	2.2	1.1
May	1.1	.0	#	0	5.5	1988	1	8.5	1988	5	1988	1	#+	2000	.7	.6	.1	@	.0	.5	.1	@	.0
Jun	#	.0	0	0	#	1993	7	#	1993	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.3	.0	#	0	2.5	1982	29	2.5	1982	2	2000	24	#+	2000	.3	.2	.0	.0	.0	.1	.0	.0	.0
Oct	2.6	.7	#	0	8.0	1991	28	10.0	1975	8	1991	28	2	1998	1.3	.9	.2	.1	.0	1.3	.6	.3	.0
Nov	11.8	10.3	2	2	8.0	1985	13	27.9	1983	20	1975	30	7	1985	6.5	4.6	1.3	.5	.0	-9.9	-9.9	-9.9	-9.9
Dec	15.4	12.0	7	7	12.0	1977	2	40.3	1981	22	1975	1	16	1985	7.6	6.0	1.8	.6	@	24.2	18.8	17.1	9.3
Ann	77.1	64.2	N/A	N/A	12.0+	Mar 1994	23	40.3	Dec 1981	40	Feb 1978	16	32+	Feb 1979	38.2	28.9	8.9	2.8	.1	-9.9	-9.9	-9.9	-9.9

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: AFTON, WY

COOP ID: 480027

Climate Division: WY 2

NWS Call Sign:

Elevation: 6,210 Feet

Lat: 42° 44N

Lon: 110° 56W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/01	7/27	7/24	7/21	7/18	7/15	7/12	7/09	7/04
32	7/19	7/13	7/09	7/06	7/02	6/29	6/26	6/22	6/16
28	6/28	6/21	6/15	6/11	6/07	6/02	5/29	5/24	5/16
24	6/08	5/31	5/26	5/21	5/17	5/13	5/09	5/03	4/26
20	5/28	5/20	5/14	5/09	5/04	4/30	4/25	4/19	4/11
16	5/04	4/27	4/22	4/18	4/14	4/10	4/06	4/01	3/26
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	7/29	8/03	8/06	8/10	8/13	8/16	8/19	8/23	8/29
32	8/07	8/14	8/18	8/22	8/26	8/30	9/02	9/07	9/13
28	8/22	8/28	9/01	9/05	9/08	9/11	9/15	9/19	9/25
24	9/01	9/07	9/11	9/14	9/18	9/21	9/25	9/29	10/05
20	9/14	9/20	9/24	9/28	10/01	10/04	10/08	10/12	10/18
16	10/01	10/07	10/10	10/14	10/17	10/20	10/23	10/27	11/01
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	50	41	35	30	25	20	15	9	0
32	82	72	65	59	54	48	42	35	26
28	121	111	104	98	93	87	81	74	65
24	152	142	135	129	123	117	111	103	93
20	181	170	162	155	149	143	136	128	117
16	208	200	194	189	185	180	175	169	161

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: AFTON, WY

COOP ID: 480027

Climate Division: WY 2

NWS Call Sign:

Elevation: 6,210 Feet Lat: 42° 44N

Lon: 110° 56W

Degree Days to Selected Base Temperatures (°F)

Base	Heating Degree Days (1)												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
Below													
65	1566	1283	1158	846	570	309	146	166	415	760	1158	1538	9915
60	1411	1143	1003	696	415	180	62	74	274	605	1008	1383	8254
57	1318	1059	910	606	324	118	29	37	199	512	918	1290	7320
55	1256	1003	848	547	267	84	16	21	155	450	858	1228	6733
50	1101	863	693	406	142	27	2	3	69	300	708	1073	5387
32	555	371	188	58	1	0	0	0	0	15	232	520	1940

Cooling Degree Days (1)

Base	Cooling Degree Days (1)												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
Above													
32	13	12	53	202	455	687	915	886	577	278	64	5	4147
55	0	0	0	1	8	81	218	194	42	0	0	0	544
57	0	0	0	0	2	55	168	148	26	0	0	0	399
60	0	0	0	0	0	27	108	91	11	0	0	0	237
65	0	0	0	0	0	6	37	29	2	0	0	0	74
70	0	0	0	0	0	0	8	5	0	0	0	0	13

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	1	73	253	470	685	658	381	138	8	0	0	0	1	74	327	797	1482	2140	2521	2659	2667	2667
45	0	0	0	25	132	326	530	503	246	57	0	0	0	0	0	25	157	483	1013	1516	1762	1819	1819	1819
50	0	0	0	3	53	194	375	350	129	12	0	0	0	0	0	3	56	250	625	975	1104	1116	1116	1116
55	0	0	0	0	10	89	228	203	45	1	0	0	0	0	0	0	10	99	327	530	575	576	576	576
60	0	0	0	0	0	25	97	81	9	0	0	0	0	0	0	0	0	25	122	203	212	212	212	212
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	8	85	217	360	489	477	329	178	21	0	0	0	8	93	310	670	1159	1636	1965	2143	2164	2164

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: ALBIN, WY

COOP ID: 480080

Climate Division: WY 8

NWS Call Sign:

Elevation: 5,345 Feet Lat: 41° 25N Lon: 104° 06W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	38.3	15.2	26.8	70	1981	23	35.6	1986	-29	1963	19	13.5	1979	1186	0	.0	.0	5.3	8.6	29.2	4.9
Feb	42.8	18.9	30.9	74	1962	11	38.3	1991	-28	1982	5	19.7	1989	957	0	.0	.0	8.8	5.8	26.0	2.6
Mar	49.8	24.0	36.9	77+	1989	11	44.0	1986	-11+	1960	3	32.3	1971	872	0	.0	.0	16.4	2.9	26.1	.7
Apr	58.2	30.6	44.4	86	1989	22	50.7	1981	-7	1975	2	37.8	1983	618	0	.0	.0	22.6	.7	18.0	.1
May	67.9	40.2	54.1	91	1969	27	59.4	1994	18	1967	1	47.6	1995	346	7	.0	.1	29.2	.0	4.4	.0
Jun	79.0	49.3	64.2	107	1954	23	69.6	1988	27	1951	2	59.5	1982	97	72	.0	2.9	29.9	.0	@	.0
Jul	85.4	55.0	70.2	109	1954	10	74.0	2000	40+	1959	1	66.6	1992	9	171	.1	9.2	31.0	.0	.0	.0
Aug	84.1	54.0	69.1	101	1969	27	73.2	1983	35	1993	31	65.2	1974	26	151	@	6.0	31.0	.0	.0	.0
Sep	75.6	45.1	60.4	98	1956	20	66.7	1998	11	1985	30	56.0	1971	180	40	.0	1.7	29.0	@	2.4	.0
Oct	63.3	34.3	48.8	89+	1967	3	51.3	1973	-4+	1991	31	44.6	1984	501	0	.0	.0	27.1	.5	12.1	.1
Nov	47.0	23.1	35.1	77+	1999	8	46.0	1999	-18	1976	27	25.3	2000	898	0	.0	.0	12.7	4.4	24.7	.8
Dec	39.6	16.5	28.1	72	1973	1	37.2	1980	-31	1990	22	15.1	1983	1146	0	.0	.0	7.0	8.3	28.9	3.4
Ann	60.9	33.9	47.4	109	Jul 1954	10	74.0	Jul 2000	-31	Dec 1990	22	13.5	Jan 1979	6836	441	.1	19.9	250.0	31.2	171.8	12.6

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Climatology of the United States

No. 20 1971-2000

Station: ALBIN, WY

COOP ID: 480080

Climate Division: WY 8

NWS Call Sign:

Elevation: 5,345 Feet Lat: 41°25N

Lon: 104°06W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount											
		Means/Medians(1)		Extremes						Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution											
Month	Mean	Median	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95	
Jan	.80	.77	1.10	1992	7	2.31	1992	.06	1998	5.6	2.7	.2	@	.12	.19	.31	.42	.53	.66	.80	.97	1.21	1.59	1.95	
Feb	.63	.47	1.22	1998	25	1.71	1984	.00+	1996	4.2	2.1	.2	@	.00	.09	.22	.32	.42	.53	.65	.79	.98	1.29	1.59	
Mar	1.60	1.12	3.70	1983	5	6.26	1983	.23	1986	6.7	3.7	.9	.3	.17	.29	.51	.74	.98	1.25	1.56	1.95	2.49	3.37	4.24	
Apr	1.92	1.62	1.75	2001	11	4.31	1984	.22	1992	7.9	5.1	1.1	.2	.46	.64	.92	1.17	1.41	1.68	1.97	2.32	2.78	3.51	4.20	
May	2.83	2.74	2.45	1988	19	5.51	1995	.41	1984	10.1	6.7	1.5	.4	.67	.94	1.35	1.72	2.08	2.47	2.91	3.42	4.10	5.18	6.19	
Jun	2.46	1.99	2.85	1986	10	6.06	1983	.32	1980	8.2	5.0	1.6	.4	.61	.84	1.20	1.52	1.83	2.16	2.53	2.97	3.55	4.45	5.31	
Jul	2.28	1.97	2.75	1998	16	5.40	1990	.57	1991	8.4	5.0	1.2	.4	.58	.79	1.13	1.42	1.71	2.02	2.36	2.76	3.29	4.12	4.90	
Aug	1.63	1.66	2.68	1983	6	4.32	1983	.08	1973	7.5	4.3	.7	.3	.21	.34	.57	.80	1.04	1.30	1.61	1.99	2.50	3.34	4.15	
Sep	1.51	1.34	1.82	1989	8	3.61	1973	.25	1978	5.9	3.9	1.0	.2	.26	.40	.62	.82	1.03	1.26	1.52	1.84	2.26	2.94	3.59	
Oct	1.15	.82	1.95	1997	25	4.09	1998	.08	1977	4.8	3.0	.7	.1	.11	.19	.35	.51	.68	.88	1.11	1.40	1.80	2.46	3.11	
Nov	.98	.77	1.65	1993	12	2.72	1993	.05	1981	4.3	2.9	.5	.1	.14	.22	.37	.50	.64	.80	.98	1.20	1.50	1.98	2.45	
Dec	.78	.63	.95	1952	12	2.67	1973	.04	1991	5.2	2.9	.3	.0	.08	.13	.24	.35	.47	.60	.75	.95	1.21	1.66	2.09	
Ann	18.57	18.48	3.70	Mar 1983	5	6.26	Mar 1983	.00+	Feb 1996	78.8	47.3	9.9	2.4	12.82	13.92	15.33	16.41	17.37	18.30	19.26	20.33	21.63	23.51	25.15	

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: ALBIN, WY

COOP ID: 480080

Climate Division: WY 8

NWS Call Sign:

Elevation: 5,345 Feet

Lat: 41°25N

Lon: 104°06W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	12.5	13.0	4	3	11.4	1992	7	26.4	1992	30	1988	26	22	1988	5.2	5.0	1.8	.5	@	15.0	10.8	6.5	3.2
Feb	8.9	9.0	3	2	8.3	1998	25	22.0	1989	14	1988	1	8	1998	3.7	3.5	1.3	.2	.0	9.6	6.9	3.1	.6
Mar	17.1	14.0	2	1	24.0	1973	14	47.0	1973	22	1988	17	11	1988	5.0	4.9	2.1	1.0	.2	8.2	5.6	3.2	1.1
Apr	11.4	8.0	1	#	15.0	1986	3	41.0	1984	17	1997	12	9	1997	2.9	2.8	1.7	.8	.2	3.5	2.6	1.4	.4
May	1.4	.0	#	0	6.0	1983	17	10.0	1983	6	1983	17	#+	1999	.4	.4	.2	.1	.0	.2	.1	@	.0
Jun	#	.0	0	0	#	1976	14	#	1976	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	1.5	.0	#	0	12.0	2000	24	15.0	2000	8	2000	24	1	2000	.4	.3	.2	.1	@	.3	.2	.1	.0
Oct	4.6	3.0	#	#	17.0	1997	25	19.0	1997	15	1997	25	2	1997	1.2	1.2	.6	.3	.1	1.4	.8	.4	.1
Nov	12.3	9.0	2	1	16.0	1979	20	41.0	1979	30	1979	24	16	1979	3.7	3.6	1.7	.6	.2	8.3	4.8	2.7	1.0
Dec	13.4	12.0	3	3	14.0	1987	27	36.5	1987	28	1987	28	12+	1992	4.9	4.6	1.8	.5	.2	13.2	9.3	5.9	2.4
Ann	83.1	68.0	N/A	N/A	24.0	Mar 1973	14	47.0	Mar 1973	30+	Jan 1988	26	22	Jan 1988	27.4	26.3	11.4	4.1	.9	59.7	41.1	23.3	8.8

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: ALBIN, WY

COOP ID: 480080

Climate Division: WY 8

NWS Call Sign:

Elevation: 5,345 Feet

Lat: 41° 25N

Lon: 104° 06W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/17	6/12	6/07	6/04	5/31	5/28	5/24	5/20	5/14
32	5/26	5/22	5/19	5/16	5/13	5/11	5/08	5/05	5/01
28	5/16	5/12	5/09	5/06	5/04	5/01	4/29	4/26	4/21
24	5/06	5/01	4/28	4/25	4/22	4/20	4/17	4/13	4/09
20	4/28	4/22	4/18	4/15	4/11	4/08	4/04	3/31	3/26
16	4/18	4/13	4/10	4/06	4/03	4/01	3/28	3/25	3/20
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/08	9/11	9/14	9/16	9/17	9/19	9/21	9/23	9/27
32	9/13	9/17	9/20	9/22	9/24	9/26	9/29	10/01	10/05
28	9/19	9/24	9/28	10/01	10/04	10/07	10/10	10/13	10/18
24	9/27	10/03	10/08	10/11	10/15	10/18	10/22	10/26	11/01
20	10/05	10/10	10/14	10/17	10/20	10/23	10/27	10/30	11/05
16	10/16	10/21	10/25	10/28	10/31	11/03	11/06	11/10	11/15
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	130	122	117	113	108	104	100	95	87
32	152	145	141	137	133	129	125	121	114
28	175	167	162	157	152	148	143	137	129
24	198	190	184	179	175	170	165	159	151
20	217	208	202	196	191	186	181	174	165
16	233	225	219	214	210	205	201	195	187

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: ALBIN, WY

COOP ID: 480080

Climate Division: WY 8

NWS Call Sign:

Elevation: 5,345 Feet Lat: 41°25N

Lon: 104°06W

Degree Days to Selected Base Temperatures (°F)

Base	Heating Degree Days (1)												
	Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
65	1186	957	872	618	346	97	9	26	180	501	898	1146	6836
60	1031	817	717	472	214	36	1	5	88	347	748	991	5467
57	938	733	624	387	149	16	0	2	50	258	658	898	4713
55	876	677	562	334	113	9	0	1	31	204	603	836	4246
50	724	543	411	213	49	1	0	0	7	94	464	683	3189
32	258	152	44	10	0	0	0	0	0	1	108	219	792

Cooling Degree Days (1)

Base	Cooling Degree Days (1)												
	Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
32	95	119	195	381	684	965	1185	1148	851	523	200	95	6441
55	0	0	0	15	84	284	472	436	192	13	5	0	1501
57	0	0	0	9	58	232	410	375	150	5	0	0	1239
60	0	0	0	4	30	161	317	285	98	1	0	0	896
65	0	0	0	0	7	72	171	151	40	0	0	0	441
70	0	0	0	0	1	22	62	56	11	0	0	0	152

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	17	34	79	197	446	733	945	907	620	311	76	23	17	51	130	327	773	1506	2451	3358	3978	4289	4365	4388
45	1	7	31	104	301	583	790	752	475	189	33	6	1	8	39	143	444	1027	1817	2569	3044	3233	3266	3272
50	0	0	5	46	180	436	635	597	338	101	10	0	0	0	5	51	231	667	1302	1899	2237	2338	2348	2348
55	0	0	0	18	87	293	482	442	216	38	0	0	0	0	0	18	105	398	880	1322	1538	1576	1576	1576
60	0	0	0	0	27	168	327	287	112	10	0	0	0	0	0	0	27	195	522	809	921	931	931	931
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	14	36	78	162	294	462	601	583	405	234	68	24	14	50	128	290	584	1046	1647	2230	2635	2869	2937	2961

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20

1971-2000

Station: ALTA 1 NNW, WY

COOP ID: 480140

Climate Division: WY 2

NWS Call Sign:

Elevation: 6,430 Feet Lat: 43°46N

Lon: 111°02W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	29.0	10.8	19.9	56	1981	1	28.5	1981	-35	1963	12	10.4	1979	1400	0	.0	.0	.2	20.4	30.8	8.2
Feb	33.8	13.6	23.7	60	1980	28	30.3	1991	-30	1981	10	14.6	1985	1157	0	.0	.0	.6	12.3	28.1	5.0
Mar	40.0	19.6	29.8	64+	1986	29	36.7	1986	-18+	1976	4	23.7	1976	1092	0	.0	.0	3.8	5.0	29.9	1.7
Apr	48.5	26.7	37.6	79	1977	30	45.6	1987	-14	1975	1	31.1	1975	822	0	.0	.0	12.7	1.0	23.8	.2
May	59.6	35.2	47.4	85	1966	27	52.9	1992	8+	1975	2	41.4	1975	546	0	.0	.0	25.4	@	14.4	.0
Jun	69.8	42.7	56.3	92	1970	25	63.4	1986	20+	1978	2	49.6	1998	282	19	.0	.2	29.3	.0	4.3	.0
Jul	78.2	48.4	63.3	95	1960	21	67.8	1976	20	1968	20	52.8	1993	132	79	.0	1.2	31.0	.0	.4	.0
Aug	77.4	46.5	62.0	94	1961	4	65.1	1971	20	1977	31	56.0	1993	138	42	.0	.8	31.0	.0	.8	.0
Sep	67.9	38.8	53.4	90+	1979	7	59.1	1990	10	1985	29	47.6	1986	355	5	.0	@	28.6	.1	8.2	.0
Oct	55.0	30.1	42.6	79+	1958	5	50.3	1988	-5+	1972	30	36.2	1984	696	0	.0	.0	21.7	.8	20.6	.2
Nov	38.1	19.1	28.6	69	1999	7	39.4	1999	-28	1992	24	19.7	1992	1092	0	.0	.0	4.7	10.0	28.0	2.0
Dec	29.4	10.9	20.2	57	1979	18	28.1	1980	-40	1990	22	10.1	1990	1390	0	.0	.0	.5	19.6	30.6	6.9
Ann	52.2	28.5	40.4	95	1960	21	67.8	1976	-40	1990	22	10.1	1990	9102	145	.0	2.2	189.5	69.2	219.9	24.2

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20 1971-2000

Station: ALTA 1 NNW, WY

COOP ID: 480140

Climate Division: WY 2

NWS Call Sign:

Elevation: 6,430 Feet Lat: 43°46N

Lon: 111°02W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1)											
														Probability that the monthly/annual precipitation will be equal to or less than the indicated amount											
Means/Medians(1)		Extremes								Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels											
														These values were determined from the incomplete gamma distribution											
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95	
Jan	2.34	2.17	1.04	1982	16	5.14	1999	.15	1985	9.3	7.2	1.2	.1	.65	.87	1.21	1.50	1.79	2.09	2.42	2.81	3.32	4.12	4.87	
Feb	1.79	1.75	.90	1985	8	4.25	1986	.50+	1991	6.8	5.6	1.2	.0	.54	.71	.97	1.19	1.40	1.62	1.86	2.15	2.52	3.09	3.63	
Mar	1.98	1.97	1.42	1995	21	4.81	1989	.33	1994	9.5	7.0	.7	@	.69	.88	1.15	1.38	1.60	1.82	2.06	2.35	2.71	3.27	3.79	
Apr	2.12	2.01	1.54	1957	6	4.23	1971	.49	1977	8.7	6.6	1.0	@	.75	.95	1.24	1.48	1.72	1.96	2.22	2.52	2.91	3.50	4.05	
May	3.50	3.38	1.75	1988	7	7.63	1981	.76	1976	10.5	9.0	2.3	.4	1.24	1.57	2.05	2.45	2.84	3.23	3.66	4.16	4.80	5.79	6.69	
Jun	2.12	2.29	1.58	1964	17	4.32	1992	.10	1986	7.5	6.1	1.4	.1	.38	.57	.88	1.17	1.46	1.78	2.15	2.59	3.18	4.12	5.03	
Jul	1.80	1.47	1.75	1993	3	4.46	1993	.10	1988	6.1	5.0	1.2	.2	.33	.49	.75	1.00	1.25	1.52	1.83	2.20	2.69	3.49	4.25	
Aug	1.54	1.58	1.57	1978	13	2.97	1978	.00	1985	6.2	4.8	.9	.1	.30	.51	.77	.98	1.18	1.39	1.61	1.88	2.22	2.76	3.26	
Sep	1.72	1.63	1.05	1963	21	4.15	1973	.00	1987	5.5	4.5	1.2	.1	.14	.33	.61	.87	1.13	1.41	1.73	2.13	2.66	3.51	4.33	
Oct	2.05	1.87	1.44	1994	6	4.66	1994	.00	1978	6.2	5.5	1.4	.3	.24	.49	.83	1.13	1.43	1.74	2.10	2.53	3.10	4.01	4.87	
Nov	2.11	1.90	1.16	1968	9	4.50	1973	.00	1976	8.3	6.6	1.0	.1	.51	.81	1.16	1.43	1.69	1.95	2.24	2.57	2.99	3.64	4.25	
Dec	2.08	1.74	1.25	1981	19	5.72	1996	.15	1986	8.2	6.4	1.0	.1	.44	.63	.93	1.21	1.49	1.79	2.13	2.53	3.07	3.92	4.73	
Ann	25.15+	24.92+	1.75+	Jul 1993	3	7.63	May 1981	.00+	Sep 1987	92.8	74.3	14.5	1.5	18.82	20.07	21.66	22.86	23.92	24.93	25.98	27.13	28.52	30.53	32.25	

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: ALTA 1 NNW, WY

COOP ID: 480140

Climate Division: WY 2

NWS Call Sign:

Elevation: 6,430 Feet

Lat: 43° 46N

Lon: 111° 02W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	22.6	22.0	20	21	14.0	1980	10	45.0	1999	36	1989	23	31	1984	7.0	7.0	3.1	1.2	.1	29.0	28.9	28.1	27.2
Feb	16.0	13.9	25	25	14.0	2000	25	30.0	2000	43	1993	28	43	1993	5.3	5.2	2.1	.7	.1	27.4	27.4	27.4	27.4
Mar	14.1	13.6	23	23	10.1	1972	2	30.9	1989	45	1974	7	37+	1984	5.2	5.0	1.9	.5	.1	29.5	29.5	29.1	27.9
Apr	9.8	9.0	12	11	12.0	1991	25	26.4	1982	40	1975	9	33	1975	3.5	3.5	1.2	.5	@	19.2	18.1	17.1	14.9
May	5.0	3.5	1	#	14.0	1988	7	25.7	1975	40	1975	7	14	1975	1.5	1.5	.6	.3	.1	1.9	1.1	.7	.4
Jun	.3	.0	#	0	5.0	1982	8	5.0	1982	#+	1989	19	#+	1989	.1	.1	@	@	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.7	.0	#	0	6.1	1978	18	8.1	1978	4	1978	18	#+	2000	.3	.3	@	@	.0	.1	@	.0	.0
Oct	6.8	6.0	1	#	8.0	1975	14	34.0	1975	10	1989	28	4	1975	2.1	2.1	1.0	.5	.0	3.2	2.0	.9	.1
Nov	14.7	16.0	3	3	12.0	1971	27	34.8	1994	24+	1994	29	9	1985	5.3	5.3	2.3	.7	.1	16.5	12.8	7.4	2.8
Dec	19.5	19.1	12	11	18.0	1992	9	37.5	1981	35	1994	10	24	1994	6.4	6.3	2.5	.9	.2	29.4	27.0	23.8	17.9
Ann	109.5	103.1	N/A	N/A	18.0	Dec 1992	9	45.0	Jan 1999	45	Mar 1974	7	43	Feb 1993	36.7	36.3	14.7	5.3	.7	156.2	146.8	134.5	118.6

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States No. 20 1971-2000

Station: ALTA 1 NNW, WY

COOP ID: 480140

Climate Division: WY 2

NWS Call Sign:

Elevation: 6,430 Feet

Lat: 43° 46N

Lon: 111° 02W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	7/23	7/17	7/13	7/09	7/06	7/02	6/29	6/24	6/19
32	7/15	7/08	7/03	6/29	6/25	6/20	6/16	6/11	6/04
28	6/21	6/13	6/07	6/02	5/28	5/23	5/18	5/12	5/04
24	6/04	5/27	5/22	5/17	5/13	5/09	5/04	4/29	4/21
20	5/24	5/16	5/11	5/06	5/02	4/27	4/23	4/17	4/10
16	5/13	5/06	5/01	4/27	4/23	4/19	4/15	4/10	4/04
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/05	8/12	8/18	8/22	8/26	8/30	9/04	9/09	9/16
32	8/16	8/23	8/28	9/01	9/05	9/09	9/13	9/18	9/25
28	9/01	9/06	9/10	9/13	9/16	9/19	9/23	9/27	10/02
24	9/10	9/16	9/20	9/24	9/27	9/30	10/04	10/08	10/14
20	9/14	9/22	9/27	10/02	10/06	10/11	10/15	10/21	10/28
16	9/29	10/06	10/12	10/17	10/21	10/26	10/30	11/05	11/13
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	83	72	64	57	51	44	37	29	18
32	103	92	84	78	72	65	59	51	40
28	144	133	124	117	111	104	97	89	77
24	170	159	150	143	136	129	122	114	102
20	193	181	172	164	157	150	142	133	120
16	216	204	195	187	180	173	166	157	144

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: ALTA 1 NNW, WY

COOP ID: 480140

Climate Division: WY 2

NWS Call Sign:

Elevation: 6,430 Feet Lat: 43° 46N

Lon: 111° 02W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1400	1157	1092	822	546	282	132	138	355	696	1092	1390	9102
60	1245	1017	937	672	394	169	59	55	224	542	942	1235	7491
57	1152	933	844	582	307	115	31	26	159	451	852	1142	6594
55	1090	877	782	525	253	85	19	14	122	393	792	1080	6032
50	935	737	627	384	138	32	5	2	53	259	644	925	4741
32	389	260	143	51	1	0	0	0	0	17	199	386	1446

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	13	27	74	218	478	727	970	928	640	344	97	19	4535
55	0	0	0	2	16	122	276	229	72	7	0	0	724
57	0	0	0	0	8	92	226	178	49	3	0	0	556
60	0	0	0	0	2	56	161	115	24	1	0	0	359
65	0	0	0	0	0	19	79	42	5	0	0	0	145
70	0	0	0	0	0	5	27	10	0	0	0	0	42

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	2	72	241	475	706	674	400	151	14	0	0	0	2	74	315	790	1496	2170	2570	2721	2735	2735
45	0	0	0	30	138	332	551	519	265	71	0	0	0	0	0	30	168	500	1051	1570	1835	1906	1906	1906
50	0	0	0	11	61	207	398	367	157	22	0	0	0	0	0	11	72	279	677	1044	1201	1223	1223	1223
55	0	0	0	0	17	105	254	224	69	3	0	0	0	0	0	0	17	122	376	600	669	672	672	672
60	0	0	0	0	1	42	124	99	17	0	0	0	0	0	0	0	1	43	167	266	283	283	283	283
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	2	58	170	306	458	437	281	122	14	0	0	0	2	60	230	536	994	1431	1712	1834	1848	1848

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20

1971-2000

Station: ARCHER, WY

COOP ID: 480270

Climate Division: WY 8

NWS Call Sign:

Elevation: 6,010 Feet Lat: 41°09N

Lon: 104°39W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	38.5	12.2	25.4	69	1987	13	33.0	1986	-27+	1963	12	13.6	1979	1228	0	.0	.0	5.9	8.3	30.0	5.3
Feb	42.0	15.1	28.6	71+	1962	12	36.0	1992	-29	1951	1	17.4	1989	1021	0	.0	.0	9.5	5.8	26.8	2.8
Mar	48.1	21.2	34.7	77	1953	29	40.8	1986	-13+	1996	25	29.3	1980	940	0	.0	.0	15.3	3.4	28.2	.8
Apr	55.9	27.9	41.9	82+	1989	23	49.0	1981	-8	1975	2	34.4	1983	693	0	.0	.0	21.4	1.3	21.3	.1
May	65.3	37.1	51.2	95	1969	26	56.2+	2000	17+	1954	2	44.4	1995	430	2	.0	.1	28.5	.0	7.1	.0
Jun	76.8	46.3	61.6	104	1954	24	66.7	1977	26	1951	2	55.1	1982	157	52	.1	2.5	29.8	.0	.5	.0
Jul	84.1	51.9	68.0	102+	1989	8	72.7	2000	31	1949	15	63.8	1971	32	125	.2	8.7	31.0	.0	.0	.0
Aug	82.7	50.7	66.7	102	1988	15	71.9	2000	34	1956	31	63.7	1997	47	99	@	5.6	31.0	.0	.0	.0
Sep	74.0	41.4	57.7	99	1978	5	63.3	1998	8	1985	30	53.2	1985	237	18	.0	1.7	28.9	.1	3.8	.0
Oct	62.1	31.0	46.6	88	1956	8	50.7	1973	-4	1991	31	43.2	1984	572	0	.0	.0	26.6	.5	16.2	.1
Nov	46.8	19.5	33.2	78+	1999	16	44.0	1999	-17	1976	27	24.6	1985	956	0	.0	.0	13.3	4.4	26.8	1.2
Dec	40.1	13.6	26.9	69	1998	2	36.4	1980	-30	1990	22	14.5	1983	1182	0	.0	.0	7.5	7.7	29.6	4.1
Ann	59.7	30.7	45.2	104	Jun 1954	24	72.7	Jul 2000	-30	Dec 1990	22	13.6	Jan 1979	7495	296	.3	18.6	248.7	31.5	190.3	14.4

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20 1971-2000

Station: ARCHER, WY

COOP ID: 480270

Climate Division: WY 8

NWS Call Sign:

Elevation: 6,010 Feet Lat: 41°09N

Lon: 104°39W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1)											
														Probability that the monthly/annual precipitation will be equal to or less than the indicated amount											
Means/Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels												
													These values were determined from the incomplete gamma distribution												
Month	Mean	Median	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95	
Jan	.41	.35	1.95	1949	4	2.15	1980	.00	1983	4.2	1.5	@	.0	.04	.08	.15	.21	.27	.34	.41	.50	.63	.83	1.02	
Feb	.44	.35	1.53	1987	27	2.18	1987	.00	1983	4.1	1.4	.1	@	.01	.02	.07	.13	.20	.29	.39	.53	.73	1.07	1.41	
Mar	1.11	.84	1.85	1990	6	4.19	1990	.04	1982	6.6	3.3	.5	.1	.14	.23	.39	.54	.70	.89	1.10	1.36	1.71	2.29	2.85	
Apr	1.60	1.31	1.77	1988	22	3.88	1984	.34	1992	8.0	4.4	.9	.1	.42	.57	.80	1.01	1.21	1.42	1.66	1.93	2.30	2.87	3.41	
May	2.72	2.76	1.98+	2000	18	5.75	1995	.28	1974	10.9	6.0	1.6	.5	.66	.92	1.32	1.67	2.02	2.39	2.80	3.29	3.94	4.95	5.91	
Jun	2.46	2.32	2.78	1974	8	5.82	1995	.05	1980	9.5	5.4	1.5	.4	.33	.53	.88	1.23	1.59	1.98	2.44	3.01	3.77	5.02	6.23	
Jul	2.20	1.81	2.64	1973	19	5.83	1977	.47	1971	10.0	5.3	1.1	.4	.57	.78	1.10	1.38	1.66	1.95	2.27	2.66	3.16	3.95	4.69	
Aug	1.96	1.76	1.96	1953	2	5.81	1997	.60	1971	9.3	5.0	1.0	.2	.57	.76	1.04	1.28	1.52	1.77	2.04	2.36	2.77	3.42	4.02	
Sep	1.58	1.21	1.57	1973	11	4.48	1973	.07	1992	6.9	3.9	1.0	.3	.21	.34	.56	.78	1.01	1.27	1.56	1.92	2.42	3.22	3.99	
Oct	.87	.67	1.43	1963	21	2.43	1986	.00	1988	5.2	2.5	.4	@	.04	.12	.26	.38	.52	.67	.85	1.08	1.38	1.88	2.37	
Nov	.66	.53	.81	1955	11	1.78	1983	.04	1971	5.0	2.5	.1	.0	.11	.17	.26	.35	.45	.55	.66	.80	.98	1.28	1.57	
Dec	.45	.38	.86	1979	27	1.43	1973	.01	1991	4.4	1.7	.1	.0	.04	.07	.13	.19	.26	.34	.43	.55	.71	.99	1.26	
Ann	16.46	16.22	2.78	Jun 1974	8	5.83	Jul 1977	.00+	Oct 1988	84.1	42.9	8.3	2.0	10.54	11.64	13.08	14.19	15.18	16.15	17.16	18.29	19.67	21.69	23.47	

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: ARCHER, WY

COOP ID: 480270

Climate Division: WY 8

NWS Call Sign:

Elevation: 6,010 Feet

Lat: 41°09N

Lon: 104°39W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	7.4	7.2	2	1	7.0	1972	12	31.5	1980	23	1980	28	9	1974	4.0	2.6	.7	.4	.0	10.4	6.4	3.7	.6
Feb	6.4	5.5	2	1	7.0	1984	26	20.3	1984	15	1980	8	9	1980	4.1	2.3	.6	.2	.0	9.8	4.3	1.9	.3
Mar	9.0	6.1	1	1	14.0	1973	14	37.0	1990	16	1990	8	6	1990	4.9	3.1	1.1	.6	.1	7.8	4.2	2.3	.4
Apr	6.9	5.7	1	#	10.0	1984	21	27.5	1984	15	1984	22	3	1984	3.4	1.8	.9	.4	@	3.5	1.9	1.0	.2
May	1.4	.0	#	0	16.0	1978	6	18.5	1978	11	1978	6	1	1978	.6	.5	.1	@	@	.3	.1	@	@
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	1.1	.0	#	0	5.2	2000	24	7.0	1985	6	2000	24	1	1985	.5	.4	.2	.1	.0	.4	.3	.1	.0
Oct	3.8	2.9	#	#	14.0	1997	25	17.2	1997	16	1997	26	2	1997	1.6	1.1	.4	.1	@	1.4	.6	.3	.1
Nov	8.3	6.2	1	1	12.0	1979	20	23.7	1983	18	1979	30	9	1979	3.9	2.7	.8	.2	@	7.6	3.1	1.3	.6
Dec	6.7	5.9	2	1	11.0	1973	30	21.5	1973	17	1979	1	7	1985	4.1	2.3	.7	.2	@	11.5	5.6	3.0	.6
Ann	51.0	39.5	N/A	N/A	16.0	May 1978	6	37.0	Mar 1990	23	Jan 1980	28	9+	Feb 1980	27.1	16.8	5.5	2.2	.1	52.7	26.5	13.6	2.8

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States No. 20 1971-2000

Station: ARCHER, WY

COOP ID: 480270

Climate Division: WY 8

NWS Call Sign:

Elevation: 6,010 Feet

Lat: 41° 09N

Lon: 104° 39W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/21	6/17	6/13	6/10	6/08	6/05	6/02	5/30	5/25
32	6/12	6/06	6/02	5/29	5/26	5/22	5/18	5/14	5/08
28	5/19	5/16	5/13	5/10	5/08	5/06	5/04	5/01	4/27
24	5/13	5/09	5/05	5/03	4/30	4/28	4/25	4/22	4/17
20	5/08	5/03	4/29	4/26	4/23	4/19	4/16	4/12	4/07
16	4/25	4/19	4/14	4/11	4/07	4/04	3/31	3/27	3/21
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/03	9/06	9/09	9/11	9/13	9/16	9/18	9/21	9/24
32	9/12	9/15	9/17	9/19	9/21	9/23	9/25	9/27	9/30
28	9/16	9/20	9/23	9/26	9/28	10/01	10/03	10/06	10/10
24	9/19	9/25	9/29	10/03	10/07	10/10	10/14	10/18	10/24
20	9/29	10/05	10/09	10/12	10/15	10/18	10/22	10/26	10/31
16	10/09	10/14	10/18	10/22	10/25	10/28	10/31	11/04	11/10
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	117	110	105	101	97	93	89	84	78
32	139	131	126	122	118	114	109	104	97
28	161	155	150	146	142	138	134	130	123
24	182	174	168	163	159	154	149	143	135
20	201	192	186	180	175	170	164	158	149
16	227	218	211	205	200	195	189	182	173

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: ARCHER, WY

COOP ID: 480270

Climate Division: WY 8

NWS Call Sign:

Elevation: 6,010 Feet Lat: 41°09N

Lon: 104°39W

Degree Days to Selected Base Temperatures (°F)

Base	Heating Degree Days (1)												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
Below													
65	1228	1021	940	693	430	157	32	47	237	572	956	1182	7495
60	1073	881	785	544	287	75	5	10	127	418	806	1027	6038
57	980	797	692	458	211	43	1	3	78	327	716	934	5240
55	918	741	630	402	167	27	0	1	53	269	656	872	4736
50	763	601	476	272	81	7	0	0	14	146	512	717	3589
32	269	178	63	20	0	0	0	0	0	2	117	232	881

Cooling Degree Days (1)

Base	Cooling Degree Days (1)												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
Above													
32	63	80	146	317	596	885	1115	1075	771	453	151	72	5724
55	0	0	0	9	49	222	403	364	134	7	0	0	1188
57	0	0	0	5	32	178	342	303	99	3	0	0	962
60	0	0	0	1	15	121	253	217	58	1	0	0	666
65	0	0	0	0	2	52	125	99	18	0	0	0	296
70	0	0	0	0	0	15	42	28	3	0	0	0	88

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	7	23	64	161	376	655	885	842	556	264	62	19	7	30	94	255	631	1286	2171	3013	3569	3833	3895	3914
45	0	0	22	79	243	506	730	687	414	154	23	4	0	0	22	101	344	850	1580	2267	2681	2835	2858	2862
50	0	0	2	33	131	362	575	532	282	74	4	0	0	0	2	35	166	528	1103	1635	1917	1991	1995	1995
55	0	0	0	8	58	231	420	378	163	24	0	0	0	0	0	8	66	297	717	1095	1258	1282	1282	1282
60	0	0	0	0	13	120	270	231	78	3	0	0	0	0	0	0	13	133	403	634	712	715	715	715
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	16	32	75	144	262	416	556	534	375	221	73	28	16	48	123	267	529	945	1501	2035	2410	2631	2704	2732

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20

1971-2000

Station: BASIN, WY

COOP ID: 480540

Climate Division: WY 4

NWS Call Sign:

Elevation: 3,837 Feet Lat: 44° 23N

Lon: 108° 02W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	27.4	1.7	14.6	62	1953	9	28.3	1981	-43	1951	30	-7.2	1979	1565	0	.0	.0	.9	16.9	31.0	13.5
Feb	37.6	10.3	24.0	73	1982	21	33.8	1999	-41	1996	2	9.1	1989	1150	0	.0	.0	4.9	7.5	28.1	6.1
Mar	51.0	23.0	37.0	80+	1986	30	44.8	1986	-25	1978	3	27.3	1996	868	0	.0	.0	18.8	2.2	27.5	.8
Apr	61.6	32.7	47.2	89+	1989	22	53.0	1987	5+	1983	6	39.2	1975	535	0	.0	.0	25.6	.1	15.1	.0
May	71.4	42.3	56.9	97	1969	27	62.2	1994	18+	1984	25	50.8	1983	268	16	.0	.8	30.1	.0	3.3	.0
Jun	82.4	50.9	66.7	110	1981	30	74.6	1988	30+	1982	7	59.5	1998	75	124	.9	8.2	30.0	.0	.1	.0
Jul	89.8	56.0	72.9	106	1954	11	76.7	1974	39	1972	4	64.8	1993	14	259	2.3	18.1	31.0	.0	.0	.0
Aug	88.6	53.5	71.1	112	1983	7	78.4	1983	27	1956	4	66.7	1993	27	215	1.1	16.1	31.0	.0	.0	.0
Sep	76.3	42.4	59.4	102+	1950	4	66.1	1998	16	1984	25	54.4	1985	206	37	@	3.6	29.2	.0	3.6	.0
Oct	62.5	31.8	47.2	90+	1957	1	51.3	1973	-1+	1991	31	44.6	1991	555	0	.0	.0	27.1	.4	18.2	.1
Nov	43.1	18.2	30.7	77	1999	1	39.3	1999	-28	1959	16	17.6	2000	1030	0	.0	.0	10.5	5.5	28.7	2.4
Dec	30.6	5.9	18.3	67	1995	2	28.3	1980	-43	1978	31	3.9	1978	1450	0	.0	.0	2.2	14.5	30.9	9.1
Ann	60.2	30.7	45.5	112	Aug 1983	7	78.4	Aug 1983	-43+	Dec 1978	31	-7.2	Jan 1979	7743	651	4.3	46.8	241.3	47.1	186.5	32.0

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20 1971-2000

Station: BASIN, WY

COOP ID: 480540

Climate Division: WY 4

NWS Call Sign:

Elevation: 3,837 Feet Lat: 44°23N

Lon: 108°02W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount											
		Means/ Medians(1)		Extremes						Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution											
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95	
Jan	.25	.23	.50	1986	21	.72	1996	.00	1983	3.0	1.0	@	.0	.01	.04	.07	.11	.15	.19	.24	.30	.39	.53	.66	
Feb	.16	.11	.31	1998	10	.81	1978	.00+	1992	2.2	.7	.0	.0	.00	.00	.00	.04	.07	.11	.15	.20	.28	.40	.52	
Mar	.33	.24	.95	1989	17	1.07	1989	.00	1997	2.7	1.2	@	.0	.01	.03	.08	.13	.18	.24	.31	.40	.53	.74	.95	
Apr	.71	.59	1.17	1978	28	1.97	1988	.00	1979	4.6	2.1	.3	.1	.07	.16	.28	.38	.48	.60	.73	.88	1.09	1.42	1.74	
May	1.30	1.02	2.00	1988	7	2.95	1975	.22	1998	6.5	3.8	.6	.1	.22	.33	.52	.70	.89	1.09	1.31	1.59	1.96	2.56	3.13	
Jun	1.00	.89	1.15	1997	14	3.62	1997	.16	1971	5.9	3.5	.4	@	.20	.29	.44	.57	.71	.85	1.02	1.22	1.48	1.90	2.30	
Jul	.60	.56	.95	1990	21	2.26	1993	.00+	1996	3.6	1.7	.3	.0	.00	.04	.13	.22	.32	.44	.57	.74	.98	1.39	1.78	
Aug	.44	.39	1.03	1962	10	1.25	1979	.00	1975	3.4	1.4	.1	@	.02	.05	.11	.17	.24	.32	.42	.54	.70	.98	1.25	
Sep	.81	.74	1.40	1994	15	2.23	1973	.00+	1979	4.6	2.4	.5	@	.00	.06	.19	.32	.45	.60	.78	1.01	1.32	1.83	2.33	
Oct	.61	.33	1.20	1993	8	2.81	1971	.00	1996	3.1	1.8	.2	.1	.01	.03	.10	.18	.28	.39	.54	.73	1.00	1.46	1.94	
Nov	.28	.24	.50+	1979	5	.91	1986	.00+	1981	3.0	1.0	.1	.0	.00	.04	.09	.13	.18	.23	.28	.35	.44	.59	.73	
Dec	.28	.19	.90	1989	15	1.71	1989	.00+	1986	3.2	1.0	@	.0	.00	.00	.03	.08	.13	.19	.26	.34	.47	.67	.87	
Ann	6.77	6.70	2.00	May 1988	7	3.62	Jun 1997	.00+	Mar 1997	45.8	21.6	2.5	.3	4.42	4.86	5.43	5.87	6.27	6.65	7.05	7.49	8.04	8.83	9.53	

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: BASIN, WY

COOP ID: 480540

Climate Division: WY 4

NWS Call Sign:

Elevation: 3,837 Feet

Lat: 44° 23N

Lon: 108° 02W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	4.1	4.1	3	2	5.5	1980	18	11.5	1978	11	1979	31	9	1979	2.7	1.8	.4	.1	.0	18.0	7.4	2.4	.0
Feb	2.5	1.0	2	1	5.0	1994	24	18.8	1978	13	1979	15	11	1979	1.8	1.2	.3	@	.0	8.8	2.8	.7	.0
Mar	2.3	1.3	#	#	6.0	1989	17	12.0	1998	12	1979	3	3	1996	1.4	1.0	.2	.1	.0	1.8	1.0	.6	.0
Apr	1.3	.0	#	0	8.0	1975	7	11.0	1975	4	1991	14	#+	1999	.7	.5	.1	@	.0	.3	.1	.0	.0
May	.1	.0	#	0	3.2	1983	11	3.2	1983	#	1985	17	#	1985	@	@	@	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.3	.0	#	0	4.0	2000	22	6.0	2000	12	1984	24	1	1984	.2	.1	@	.0	.0	.1	@	.0	.0
Oct	.6	.0	#	0	6.0	1971	28	6.5	1971	6	1991	31	1	1991	.2	.1	.1	.1	.0	.2	.2	.2	.0
Nov	2.1	.8	1	#	5.0	1976	29	8.5	1975	10	1978	13	4	1978	1.5	.9	.2	@	.0	3.0	1.0	.2	.0
Dec	4.0	3.2	2	1	9.0	1989	15	18.7	1989	13	1989	16	9	1978	2.5	1.9	.4	.1	.0	10.3	4.6	2.0	.2
Ann	17.3	10.4	N/A	N/A	9.0	Dec 1989	15	18.8	Feb 1978	13+	Dec 1989	16	11	Feb 1979	11.0	7.5	1.7	.4	.0	42.5	17.1	6.1	.2

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: BASIN, WY

COOP ID: 480540

Climate Division: WY 4

NWS Call Sign:

Elevation: 3,837 Feet

Lat: 44° 23N

Lon: 108° 02W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/13	6/06	6/02	5/29	5/25	5/21	5/17	5/13	5/06
32	5/31	5/25	5/20	5/17	5/13	5/09	5/06	5/01	4/25
28	5/14	5/09	5/06	5/03	5/01	4/28	4/26	4/23	4/18
24	5/05	4/30	4/26	4/22	4/19	4/16	4/12	4/08	4/02
20	4/30	4/23	4/18	4/14	4/10	4/06	4/01	3/27	3/20
16	4/19	4/12	4/07	4/02	3/29	3/25	3/21	3/16	3/09
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/04	9/07	9/10	9/12	9/14	9/15	9/17	9/20	9/23
32	9/09	9/13	9/16	9/18	9/20	9/23	9/25	9/28	10/02
28	9/18	9/23	9/26	9/29	10/02	10/05	10/08	10/11	10/16
24	9/27	10/02	10/06	10/09	10/12	10/15	10/19	10/22	10/28
20	10/07	10/12	10/15	10/19	10/21	10/24	10/27	10/31	11/05
16	10/18	10/23	10/27	10/30	11/02	11/05	11/08	11/12	11/17
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	133	125	120	115	111	106	102	96	88
32	152	144	139	134	130	125	121	115	107
28	175	168	162	158	153	149	145	139	132
24	204	194	187	181	176	170	164	157	148
20	223	213	206	200	194	188	182	175	165
16	245	235	228	222	217	211	205	198	189

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: **BASIN, WY**

COOP ID: **480540**

Climate Division: **WY 4**

NWS Call Sign:

Elevation: **3,837 Feet** Lat: **44° 23N**

Lon: **108° 02W**

Degree Days to Selected Base Temperatures (°F)

Base	Heating Degree Days (1)												
	Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
65	1565	1150	868	535	268	75	14	27	206	555	1030	1450	7743
60	1410	1010	713	390	151	26	2	6	107	400	880	1295	6390
57	1317	926	620	308	97	12	0	2	64	309	790	1202	5647
55	1255	875	559	257	69	6	0	1	42	250	732	1140	5186
50	1101	744	414	149	23	0	0	0	10	127	593	986	4147
32	591	334	68	2	0	0	0	0	0	3	196	485	1679

Base	Cooling Degree Days (1)												
	Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
32	49	108	223	458	771	1040	1268	1211	821	471	156	58	6634
55	0	5	1	22	127	356	555	499	173	6	3	0	1747
57	0	0	0	13	93	302	493	438	135	2	0	0	1476
60	0	0	0	5	54	226	401	349	88	0	0	0	1123
65	0	0	0	0	16	124	259	215	37	0	0	0	651
70	0	0	0	0	3	55	141	110	11	0	0	0	320

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	8	79	251	531	800	1021	964	589	250	29	1	0	8	87	338	869	1669	2690	3654	4243	4493	4522	4523
45	0	1	32	148	386	650	866	809	446	140	6	0	0	1	33	181	567	1217	2083	2892	3338	3478	3484	3484
50	0	0	8	72	251	502	711	655	309	61	1	0	0	0	8	80	331	833	1544	2199	2508	2569	2570	2570
55	0	0	0	25	138	359	556	502	191	18	0	0	0	0	0	25	163	522	1078	1580	1771	1789	1789	1789
60	0	0	0	7	62	227	405	348	96	4	0	0	0	0	0	7	69	296	701	1049	1145	1149	1149	1149
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	13	95	205	350	501	632	598	406	221	43	4	0	13	108	313	663	1164	1796	2394	2800	3021	3064	3068

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20

1971-2000

Station: BATES CREEK NO 2, WY

COOP ID: 480552

Climate Division: WY10

NWS Call Sign:

Elevation: 6,010 Feet Lat: 42° 38N

Lon: 106° 23W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	31.3	9.4	20.4	60	1981	23	29.6	1986	-26	1975	12	8.4	1979	1384	0	.0	.0	1.5	11.7	30.3	5.6
Feb	34.9	12.8	23.9	62	1986	25	30.2	2000	-29	1989	4	13.3	1989	1151	0	.0	.0	3.1	7.1	27.7	3.3
Mar	42.9	21.2	32.1	72+	1986	29	38.0	1986	-11+	1998	7	26.8	1988	1022	0	.0	.0	11.5	2.9	27.2	.6
Apr	51.8	29.4	40.6	78+	1989	21	46.7	1987	-3	1975	2	32.9	1973	733	0	.0	.0	20.6	1.1	19.0	.1
May	62.2	38.2	50.2	87+	1973	31	54.7	1994	17	1990	1	44.3	1983	460	1	.0	.0	28.7	.0	6.3	.0
Jun	74.1	47.3	60.7	97	1974	25	68.3	1988	29+	1979	1	53.9	1998	182	52	.0	1.5	29.7	.0	.6	.0
Jul	81.2	53.5	67.4	98	1984	12	71.1	1989	32	1972	4	61.1	1993	47	119	.0	4.2	31.0	.0	@	.0
Aug	80.1	52.3	66.2	98	1979	5	71.0	2000	35+	1985	17	62.5	1974	66	103	.0	2.4	31.0	.0	.0	.0
Sep	69.7	42.1	55.9	92+	1978	7	63.2	1998	14	1985	30	49.9	1985	291	16	.0	.2	28.8	.1	3.3	.0
Oct	57.3	31.3	44.3	84	1976	1	48.1	1988	1+	1991	31	39.3	1995	642	0	.0	.0	25.5	.6	14.9	.0
Nov	40.9	19.2	30.1	71	1977	4	41.9	1999	-16+	1993	25	20.9	2000	1049	0	.0	.0	9.4	5.5	25.8	1.1
Dec	33.1	11.6	22.4	63	1999	1	31.5	1980	-38	1990	21	12.1	1983	1321	0	.0	.0	2.4	10.8	29.8	4.2
Ann	55.0	30.7	42.9	98+	1984	12	71.1	1989	-38	1990	21	8.4	1979	8348	291	.0	8.3	223.2	39.8	184.9	14.9

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1969-2001

(3) Derived from 1971-2000 serially complete daily data

Climatology of the United States

No. 20 1971-2000

Station: BATES CREEK NO 2, WY

COOP ID: 480552

Climate Division: WY10

NWS Call Sign:

Elevation: 6,010 Feet Lat: 42°38N

Lon: 106°23W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1)										
														Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
		Means/Medians(1)		Extremes						Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels										
														These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	.60	.49	.66	2000	28	1.29	1997	.05	1989	6.3	2.2	.1	.0	.13	.19	.28	.35	.43	.52	.61	.73	.88	1.11	1.34
Feb	.68	.64	.82	1997	3	1.70	1997	.14	1996	5.4	2.3	.2	.0	.18	.24	.34	.43	.51	.60	.70	.82	.97	1.21	1.44
Mar	1.02	.89	1.52	1970	18	3.37	1983	.22	1974	6.8	2.9	.4	.1	.20	.29	.44	.58	.72	.87	1.04	1.24	1.51	1.94	2.35
Apr	1.66	1.28	2.45	1974	20	5.87	1973	.12	1987	8.0	4.6	.8	.2	.21	.34	.58	.81	1.06	1.33	1.64	2.03	2.56	3.43	4.27
May	2.39	2.02	3.01	1995	9	8.97	1995	.09	1974	9.3	5.6	1.4	.4	.33	.53	.87	1.20	1.55	1.93	2.37	2.92	3.65	4.85	6.01
Jun	1.34	1.16	2.61	1970	12	3.54	1998	.14	1990	7.0	3.9	.8	.1	.18	.29	.48	.67	.86	1.08	1.33	1.63	2.05	2.72	3.38
Jul	1.08	1.02	1.42	1990	20	2.64	1990	.21	1994	6.8	3.3	.4	@	.22	.31	.47	.62	.76	.92	1.10	1.31	1.59	2.05	2.48
Aug	.96	.94	1.11	1972	23	2.12	1987	.00	1988	5.2	3.0	.4	.1	.13	.25	.42	.55	.69	.83	.99	1.18	1.43	1.83	2.21
Sep	.84	.82	1.31	1973	2	2.22	1982	.03	1978	5.2	2.6	.3	.1	.10	.16	.28	.40	.52	.66	.82	1.03	1.30	1.75	2.19
Oct	1.33	1.22	2.35	1998	17	6.44	1998	.05	1973	5.6	3.3	.7	.2	.08	.16	.32	.50	.70	.94	1.23	1.60	2.12	3.01	3.89
Nov	.72	.72	.68	2000	1	1.62	2000	.02	1997	5.5	2.5	.3	.0	.11	.17	.28	.38	.48	.59	.72	.88	1.09	1.44	1.77
Dec	.60	.59	.90	1992	12	2.63	1982	.05	1979	5.2	2.0	.2	.0	.08	.13	.21	.30	.39	.48	.60	.73	.92	1.23	1.53
Ann	13.22	13.26	3.01	May 1995	9	8.97	May 1995	.00	Aug 1988	76.3	38.2	6.0	1.2	8.64	9.49	10.61	11.46	12.23	12.98	13.75	14.62	15.67	17.22	18.57

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1969-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: BATES CREEK NO 2, WY

COOP ID: 480552

Climate Division: WY10

NWS Call Sign:

Elevation: 6,010 Feet

Lat: 42° 38N

Lon: 106° 23W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	11.6	11.0	5	4	10.5	1994	31	23.8	1975	16+	1994	31	13	1994	5.3	4.2	1.6	.4	@	24.0	18.9	13.9	3.4
Feb	12.5	10.1	5	4	10.0	1997	3	24.8	1978	24	1997	4	14+	1994	4.7	3.9	1.8	.7	.1	21.2	17.6	12.9	4.8
Mar	14.9	9.2	2	1	21.0	1983	26	53.0	1983	19+	1983	26	9	1973	4.7	3.9	1.7	.8	.3	9.0	5.8	3.6	.6
Apr	14.6	9.8	1	#	26.0	1973	20	68.9	1973	41	1973	20	10	1973	3.6	3.4	2.0	.9	.3	2.8	1.7	.9	.2
May	2.8	.0	#	0	20.0	1978	4	36.0	1978	17	1978	4	2	1978	.5	.5	.2	.2	.1	.6	.4	.3	@
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.5	.0	#	0	4.5	2000	23	6.0	1984	5	2000	23	#+	2000	.3	.2	.1	.0	.0	.2	@	@	.0
Oct	6.5	3.3	#	#	17.0	1998	17	28.4	1996	17	1998	17	2	1998	1.8	1.4	.7	.5	.2	1.8	.9	.6	.2
Nov	7.8	7.8	1	1	9.0	1992	3	16.0	1986	10	1996	7	6	2000	3.4	2.8	1.2	.5	.0	6.4	4.2	2.6	.1
Dec	12.1	10.8	4	3	18.0	1982	2	58.0	1982	23	1982	25	12	1982	4.6	3.5	1.5	.6	.2	17.5	12.0	6.8	1.3
Ann	83.3	62.0	N/A	N/A	26.0	Apr 1973	20	68.9	Apr 1973	41	Apr 1973	20	14+	Feb 1994	28.9	23.8	10.8	4.6	1.2	83.5	61.5	41.6	10.6

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: BATES CREEK NO 2, WY

COOP ID: 480552

Climate Division: WY10

NWS Call Sign:

Elevation: 6,010 Feet

Lat: 42° 38N

Lon: 106° 23W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/26	6/20	6/15	6/12	6/08	6/05	6/01	5/28	5/22
32	6/19	6/12	6/07	6/03	5/30	5/25	5/21	5/16	5/09
28	5/24	5/18	5/14	5/10	5/07	5/03	4/30	4/26	4/20
24	5/07	5/03	4/29	4/26	4/24	4/21	4/18	4/15	4/10
20	4/25	4/21	4/18	4/15	4/13	4/10	4/07	4/04	3/31
16	4/20	4/14	4/10	4/07	4/04	4/01	3/28	3/25	3/19
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/29	9/03	9/06	9/09	9/12	9/14	9/17	9/21	9/25
32	9/12	9/15	9/17	9/19	9/21	9/23	9/25	9/27	9/30
28	9/15	9/19	9/22	9/25	9/27	9/30	10/02	10/05	10/09
24	9/24	9/29	10/03	10/07	10/10	10/13	10/17	10/21	10/26
20	9/30	10/06	10/10	10/14	10/18	10/21	10/25	10/29	11/04
16	10/11	10/17	10/21	10/25	10/28	11/01	11/04	11/08	11/14
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	117	110	104	99	95	90	86	80	72
32	135	127	122	118	114	109	105	100	93
28	166	158	152	147	143	138	133	127	120
24	189	182	177	173	169	165	160	155	149
20	211	203	197	192	187	182	177	171	163
16	232	224	217	212	207	202	196	190	181

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: BATES CREEK NO 2, WY

COOP ID: 480552

Climate Division: WY10

NWS Call Sign:

Elevation: 6,010 Feet Lat: 42° 38N

Lon: 106° 23W

Degree Days to Selected Base Temperatures (°F)

Base	Heating Degree Days (1)												
	Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
65	1384	1151	1022	733	460	182	47	66	291	642	1049	1321	8348
60	1229	1011	867	583	311	96	11	20	175	487	899	1166	6855
57	1136	927	774	495	231	58	4	8	119	396	809	1073	6030
55	1074	871	712	439	182	39	1	4	88	336	749	1011	5506
50	919	731	558	304	86	12	0	0	34	202	602	856	4304
32	400	260	112	27	0	0	0	0	0	6	172	340	1317

Cooling Degree Days (1)

Base	Cooling Degree Days (1)												
	Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
32	39	33	114	284	565	861	1095	1060	716	387	113	42	5309
55	0	0	0	6	34	210	384	351	114	4	0	0	1103
57	0	0	0	3	20	169	324	293	84	2	0	0	895
60	0	0	0	0	8	117	238	212	51	0	0	0	626
65	0	0	0	0	1	52	119	103	16	0	0	0	291
70	0	0	0	0	0	17	42	34	4	0	0	0	97

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	6	46	153	384	668	891	859	541	240	44	5	0	6	52	205	589	1257	2148	3007	3548	3788	3832	3837
45	0	0	11	79	247	522	736	704	401	136	14	0	0	0	11	90	337	859	1595	2299	2700	2836	2850	2850
50	0	0	0	33	134	375	582	549	271	57	1	0	0	0	0	33	167	542	1124	1673	1944	2001	2002	2002
55	0	0	0	9	62	242	428	395	156	13	0	0	0	0	0	9	71	313	741	1136	1292	1305	1305	1305
60	0	0	0	0	15	133	280	248	71	1	0	0	0	0	0	0	15	148	428	676	747	748	748	748
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	4	44	116	249	425	579	559	351	180	38	5	0	4	48	164	413	838	1417	1976	2327	2507	2545	2550

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20

1971-2000

Station: BIG PINEY, WY

COOP ID: 480695

Climate Division: WY 3

NWS Call Sign:

Elevation: 6,820 Feet Lat: 42° 32N

Lon: 110° 07W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	25.1	-4.9	10.1	48+	1971	17	20.3	1994	-49	1962	22	-.5	1979	1703	0	.0	.0	.0	22.2	31.0	19.7
Feb	29.8	-.6	14.6	54+	1988	29	23.2	2000	-44	1985	1	2.0	1993	1414	0	.0	.0	.3	15.2	28.3	14.3
Mar	40.1	11.8	26.0	64	1964	31	32.2	1986	-32+	1969	11	17.9	1976	1210	0	.0	.0	4.1	5.1	31.0	4.0
Apr	51.8	21.0	36.4	75+	1994	21	42.1	1992	-10	1964	7	30.8	1983	857	0	.0	.0	16.5	.6	29.1	.2
May	61.8	30.1	46.0	84	1954	19	50.7	1992	6	1983	16	40.6	1977	592	0	.0	.0	27.4	.0	20.8	.0
Jun	72.2	37.8	55.0	91	1970	26	59.1	1977	19+	2000	1	49.8	1998	306	5	.0	.3	29.7	.0	5.9	.0
Jul	79.6	41.3	60.5	96	1976	13	63.7	1998	23	1987	19	53.9	1993	158	16	.0	1.1	31.0	.0	1.3	.0
Aug	78.5	37.8	58.2	93	1983	4	61.2	1994	16+	1966	22	54.9	1975	217	5	.0	.3	31.0	.0	6.4	.0
Sep	68.4	28.5	48.5	89	1950	5	54.2	1998	-15	1983	20	43.4	1971	497	0	.0	.0	28.7	@	19.9	.0
Oct	56.8	19.6	38.2	79	1956	6	43.4	1988	-15	1971	30	32.2	1984	831	0	.0	.0	23.7	.6	29.9	.3
Nov	38.3	7.9	23.1	67	1978	4	30.5	1995	-34	1955	16	17.3	1985	1257	0	.0	.0	4.7	8.1	29.9	6.7
Dec	27.7	-2.6	12.6	55	1995	1	23.4	1980	-50	1983	23	2.5	1990	1627	0	.0	.0	.1	20.7	31.0	16.8
Ann	52.5	19.0	35.8	96	Jul 1976	13	63.7	Jul 1998	-50	Dec 1983	23	-.5	Jan 1979	10669	26	.0	1.7	197.2	72.5	264.5	62.0

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Climatology of the United States

No. 20 1971-2000

Station: BIG PINEY, WY

COOP ID: 480695

Climate Division: WY 3

NWS Call Sign:

Elevation: 6,820 Feet Lat: 42° 32N

Lon: 110° 07W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount											
		Means/Medians(1)		Extremes						Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution											
Month	Mean	Median	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95	
Jan	.45	.28	.41	1962	20	3.05	1980	.00+	1994	4.8	1.2	.0	.0	.00	.04	.11	.18	.26	.34	.44	.56	.73	1.00	1.27	
Feb	.34	.26	.57	1995	13	1.08	1975	.00+	1988	5.8	1.4	.1	.0	.00	.02	.07	.12	.17	.24	.31	.41	.55	.78	1.01	
Mar	.58	.41	2.30	1983	31	2.81	1983	.00	1979	5.4	1.4	.1	@	.02	.07	.15	.23	.32	.43	.55	.71	.93	1.29	1.64	
Apr	.52	.43	.69	1971	22	2.33	1971	.00	1979	5.8	2.1	.1	.0	.03	.08	.16	.23	.31	.40	.51	.63	.81	1.10	1.38	
May	1.01	.83	1.43	1976	22	3.67	1987	.07	1997	8.0	2.9	.3	.1	.14	.22	.37	.51	.66	.82	1.00	1.23	1.54	2.05	2.54	
Jun	.72	.46	1.36	1970	11	2.96	1972	.06	1978	5.0	2.2	.2	@	.07	.12	.22	.32	.42	.55	.69	.87	1.12	1.54	1.94	
Jul	.87	.83	.76	1950	3	1.83	1984	.00	1988	6.3	2.8	.0	.0	.16	.28	.42	.54	.66	.78	.91	1.06	1.27	1.59	1.88	
Aug	.80	.66	2.48	1997	5	3.82	1997	.00+	1996	5.7	2.1	.2	@	.00	.11	.26	.39	.52	.66	.82	1.00	1.26	1.67	2.06	
Sep	.82	.67	1.35	1966	1	3.17	1982	.00	1974	4.8	2.5	.3	.1	.06	.15	.28	.40	.52	.66	.82	1.02	1.28	1.71	2.12	
Oct	.59	.53	1.62	1960	9	1.92	1971	.00+	1996	4.6	1.8	.3	.0	.00	.00	.07	.17	.28	.41	.55	.74	.99	1.41	1.83	
Nov	.37	.34	1.00	1950	8	1.03	1978	.00	1999	4.3	1.2	@	.0	.03	.07	.14	.19	.24	.30	.37	.45	.56	.74	.91	
Dec	.32	.27	1.05	1983	15	1.39	1983	.00+	1989	5.4	1.5	.1	@	.00	.01	.04	.09	.14	.20	.28	.38	.53	.78	1.03	
Ann	7.39	6.82	2.48	Aug 1997	5	3.82	Aug 1997	.00+	Nov 1999	65.9	23.1	1.7	.2	3.87	4.48	5.29	5.93	6.52	7.11	7.73	8.43	9.31	10.62	11.79	

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: **BIG PINEY, WY**

COOP ID: **480695**

Climate Division: **WY 3**

NWS Call Sign:

Elevation: **6,820 Feet**

Lat: **42° 32N**

Lon: **110° 07W**

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	3.4	2.5	4	4	5.0	1998	17	11.2	1996	16	1972	31	13	1972	2.6	2.1	.4	.1	.0	-9.9	-9.9	-9.9	-9.9
Feb	4.0	2.9	4	2	10.0	1995	13	15.9	1995	18	1993	28	14+	1993	2.5	1.5	.4	.2	.1	-9.9	-9.9	-9.9	-9.9
Mar	3.7	1.5	2	1	9.0	1971	17	13.0	1975	18	1993	4	7	1993	1.8	1.5	.5	.2	.0	6.5	3.8	1.6	.4
Apr	2.8	2.5	#	#	4.0	1998	12	12.0	1998	5	1974	11	1	1974	1.7	1.4	.3	.0	.0	.8	.2	.0	.0
May	1.0	.0	#	0	4.4	2000	11	6.0	1975	5	1975	21	#+	2000	.5	.3	.1	.0	.0	.3	.2	.1	.0
Jun	.2	.0	#	0	2.6	1995	9	2.6	1995	#+	1993	3	#+	1993	.1	.1	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.9	.0	#	0	10.5	2000	23	10.5	2000	2	1978	19	#+	1999	.2	.2	.1	.1	@	.1	.0	.0	.0
Oct	2.3	.0	#	0	7.0	1971	2	17.0	1971	8	1971	29	2	1971	.9	.9	.3	.1	.0	.6	.1	.1	.0
Nov	1.8	1.5	1	#	5.0	1996	18	6.0	1972	7	1971	19	6	1971	1.7	1.1	.1	.1	.0	5.5	2.8	2.6	.0
Dec	2.6	2.0	2	#	4.0	1973	28	8.3	1992	9	1971	31	7	1971	2.1	1.6	.4	.0	.0	10.8	6.2	3.1	.0
Ann	22.7	12.9	N/A	N/A	10.5	Sep 2000	23	17.0	Oct 1971	18+	Mar 1993	4	14+	Feb 1993	14.1	10.7	2.6	.8	.1	-9.9	-9.9	-9.9	-9.9

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: BIG PINEY, WY

COOP ID: 480695

Climate Division: WY 3

NWS Call Sign:

Elevation: 6,820 Feet

Lat: 42° 32N

Lon: 110° 07W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/04	7/30	7/26	7/23	7/20	7/17	7/14	7/10	7/05
32	7/27	7/20	7/15	7/10	7/06	7/02	6/27	6/22	6/15
28	7/08	6/30	6/24	6/20	6/15	6/10	6/05	5/31	5/23
24	6/15	6/08	6/03	5/30	5/26	5/22	5/17	5/12	5/05
20	5/27	5/22	5/17	5/14	5/11	5/07	5/04	4/29	4/24
16	5/13	5/08	5/04	5/01	4/28	4/25	4/22	4/18	4/13
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	7/28	7/31	8/03	8/06	8/08	8/10	8/13	8/16	8/20
32	8/02	8/06	8/09	8/11	8/14	8/16	8/19	8/22	8/26
28	8/09	8/15	8/20	8/24	8/28	8/31	9/04	9/09	9/16
24	8/22	8/28	9/01	9/04	9/07	9/10	9/14	9/18	9/23
20	8/31	9/06	9/11	9/15	9/18	9/22	9/25	9/30	10/06
16	9/14	9/20	9/24	9/27	10/01	10/04	10/07	10/11	10/17
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	40	33	27	23	18	14	9	4	0
32	66	56	49	44	38	33	27	20	11
28	105	94	86	79	73	67	60	52	41
24	132	122	115	109	104	98	92	85	75
20	157	148	141	135	130	124	119	112	103
16	175	168	163	159	155	151	146	141	134

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: BIG PINEY, WY

COOP ID: 480695

Climate Division: WY 3

NWS Call Sign:

Elevation: 6,820 Feet Lat: 42° 32N

Lon: 110° 07W

Degree Days to Selected Base Temperatures (°F)

Base	Heating Degree Days (1)												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
Below 65	1703	1414	1210	857	592	306	158	217	497	831	1257	1627	10669
60	1548	1274	1055	707	437	177	61	96	352	676	1107	1472	8962
57	1455	1190	962	617	347	115	25	49	270	583	1017	1379	8009
55	1393	1134	900	557	289	82	13	28	220	521	957	1317	7411
50	1238	994	745	412	162	26	1	5	117	368	807	1162	6037
32	688	503	247	52	1	0	0	0	0	20	291	616	2418

Base	Cooling Degree Days (1)												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
Above 32	8	14	60	185	433	689	882	811	493	212	24	13	3824
55	0	0	0	0	7	80	181	126	23	0	0	0	417
57	0	0	0	0	3	54	132	84	13	0	0	0	286
60	0	0	0	0	1	25	75	39	5	0	0	0	145
65	0	0	0	0	0	5	16	5	0	0	0	0	26
70	0	0	0	0	0	0	0	0	0	0	0	0	0

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	0	45	210	458	655	577	297	65	0	0	0	0	0	45	255	713	1368	1945	2242	2307	2307	2307
45	0	0	0	13	100	313	500	422	170	18	0	0	0	0	0	13	113	426	926	1348	1518	1536	1536	1536
50	0	0	0	0	31	182	347	268	76	1	0	0	0	0	0	0	31	213	560	828	904	905	905	905
55	0	0	0	0	4	78	196	131	24	0	0	0	0	0	0	0	4	82	278	409	433	433	433	433
60	0	0	0	0	0	19	72	38	2	0	0	0	0	0	0	0	0	19	91	129	131	131	131	131
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	7	77	200	343	470	451	300	145	15	0	0	0	7	84	284	627	1097	1548	1848	1993	2008	2008

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatology
of the United States
No. 20
1971-2000**

Station: BILLY CREEK, WY

COOP ID: 480740

Climate Division: WY 5

NWS Call Sign:

Elevation: 4,975 Feet Lat: 44°08N

Lon: 106°43W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	35.0	7.3	21.2	66+	1989	31	30.4	1983	-36+	1963	19	4.1	1979	1360	0	.0	.0	5.4	11.2	30.1	8.0
Feb	39.5	13.3	26.4	71	1995	25	35.9	1991	-41	1989	3	12.0	1989	1081	0	.0	.0	7.6	7.0	26.9	4.2
Mar	46.8	21.0	33.9	75+	1997	27	41.3	1986	-21	1965	25	26.8	1996	963	0	.0	.0	14.1	3.8	27.5	1.2
Apr	55.2	28.7	42.0	85	1989	22	47.8	1987	-1	1997	11	35.7	1975	691	0	.0	.0	20.5	.9	19.7	.1
May	64.3	37.4	50.9	91	1969	27	57.2	1994	14	1968	11	45.6	1983	442	3	.0	.1	27.8	@	7.2	.0
Jun	75.4	45.7	60.6	100	1988	21	71.3	1988	25	1969	14	54.8	1998	187	52	@	2.7	29.6	.0	.6	.0
Jul	83.3	50.8	67.1	104	1989	9	71.6	2000	35+	1997	2	59.9	1993	67	130	.5	8.5	31.0	.0	.0	.0
Aug	82.9	48.9	65.9	105	1979	5	71.4	2000	31+	1992	30	59.9	1974	100	127	.1	7.8	30.9	.0	.1	.0
Sep	71.7	38.6	55.2	98+	1998	5	64.7	1998	11	1984	25	48.6	1985	320	24	.0	2.0	28.3	.2	4.6	.0
Oct	59.5	28.4	44.0	87	1989	1	47.3	1988	-12	1991	30	39.1	1984	653	0	.0	.0	24.2	.9	17.6	.1
Nov	44.3	16.6	30.5	81	1999	8	45.1	1999	-26	1985	22	13.4	1985	1037	0	.0	.0	11.5	5.6	26.7	2.1
Dec	37.3	8.9	23.1	72	1999	1	30.7	1999	-39	1990	21	4.9	1983	1299	0	.0	.0	7.4	9.7	29.9	5.6
Ann	57.9	28.8	43.4	105	Aug 1979	5	71.6	Jul 2000	-41	Feb 1989	3	4.1	Jan 1979	8200	336	.6	21.1	238.3	39.3	190.9	21.3

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1962-2001

(3) Derived from 1971-2000 serially complete daily data

Climatology of the United States

No. 20 1971-2000

Station: **BILLY CREEK, WY**

COOP ID: **480740**

Climate Division: **WY 5**

NWS Call Sign:

Elevation: **4,975 Feet** Lat: **44°08N**

Lon: **106°43W**

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1)											
														Probability that the monthly/annual precipitation will be equal to or less than the indicated amount											
		Means/Medians(1)		Extremes						Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels											
														These values were determined from the incomplete gamma distribution											
Month	Mean	Median	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95	
Jan	.31	.27	.62	2000	27	1.02	2000	.00+	1992	4.2	.9	@	.0	.00	.03	.09	.14	.19	.24	.31	.38	.49	.66	.83	
Feb	.34	.29	.50+	1971	20	1.26	1971	.00+	1992	4.7	1.1	.1	.0	.00	.02	.07	.12	.18	.25	.32	.42	.55	.78	1.00	
Mar	.64	.50	1.19	1977	25	1.85	1977	.07	1997	6.9	1.9	.2	@	.11	.17	.26	.35	.44	.53	.64	.78	.95	1.24	1.51	
Apr	1.51	1.16	1.87	1976	27	5.74	1984	.23	1987	8.4	3.8	.7	.2	.22	.35	.57	.77	.99	1.23	1.50	1.84	2.29	3.02	3.73	
May	2.26	2.07	1.94	1970	21	6.04	1978	.57	1998	11.9	6.4	1.1	.2	.72	.93	1.25	1.52	1.79	2.06	2.36	2.71	3.16	3.86	4.51	
Jun	2.07	1.63	3.50	1992	15	6.48	1992	.35	1978	10.2	5.4	.9	.2	.47	.66	.96	1.23	1.51	1.80	2.12	2.51	3.02	3.83	4.60	
Jul	1.58	1.46	1.65	1997	29	4.58	1997	.20	1999	8.7	4.3	.7	.1	.34	.48	.71	.92	1.14	1.36	1.62	1.92	2.32	2.97	3.57	
Aug	1.06	.98	1.77	1968	23	3.02	1980	.02	1973	6.8	3.4	.4	.1	.10	.18	.32	.47	.63	.81	1.03	1.30	1.66	2.27	2.87	
Sep	1.12	.98	1.37	1963	21	3.22	1982	.18	1979	6.6	3.1	.5	.0	.19	.29	.45	.60	.76	.93	1.13	1.37	1.68	2.20	2.69	
Oct	1.06	.82	1.53	1976	3	3.30	1971	.06	1985	6.1	3.1	.4	@	.11	.19	.34	.49	.64	.82	1.03	1.29	1.64	2.23	2.80	
Nov	.45	.35	.65	1987	3	.97	1983	.00	1997	4.8	1.4	.1	.0	.05	.11	.18	.25	.32	.39	.46	.56	.69	.89	1.08	
Dec	.32	.31	.35+	1993	3	1.07	1977	.02	1979	4.9	1.0	.0	.0	.02	.04	.09	.13	.18	.24	.31	.39	.52	.72	.92	
Ann	12.72	12.50	3.50	Jun 1992	15	6.48	Jun 1992	.00+	Nov 1997	84.2	35.8	5.1	.8	8.66	9.43	10.43	11.19	11.87	12.53	13.22	13.98	14.90	16.25	17.42	

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1962-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: BILLY CREEK, WY

COOP ID: 480740

Climate Division: WY 5

NWS Call Sign:

Elevation: 4,975 Feet

Lat: 44°08N

Lon: 106°43W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	5.4	5.0	2	2	7.0	1982	5	14.0+	1998	10	1982	6	7	1979	4.5	2.1	.4	.1	.0	16.4	9.1	4.4	.2
Feb	6.0	6.0	2	2	7.5	1987	24	17.5	1987	10+	1987	27	7	1978	4.5	2.1	.7	.2	.0	11.9	6.0	2.7	.1
Mar	7.2	6.5	1	1	15.0	1977	25	23.9	1977	11	1977	25	3	1978	5.9	2.9	.6	.1	@	7.4	2.6	.8	@
Apr	7.8	5.0	#	#	22.0	1998	15	35.2	1998	22	1998	16	4	1998	4.1	2.4	1.0	.3	.1	2.6	1.1	.6	.3
May	1.8	.0	#	0	10.0	1978	6	19.6	1978	4	1984	1	#+	1997	.9	.6	.2	.1	@	.3	.1	.0	.0
Jun	.0	.0	#	0	.5	1995	9	.5	1995	#+	1995	9	#+	1995	@	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.9	.0	#	0	7.0	1982	14	9.3	1982	3	1984	24	#+	2000	.4	.4	.1	@	.0	.3	.1	.0	.0
Oct	3.5	2.5	#	#	9.7	1993	9	18.0	1971	8	1993	9	1	1996	2.2	1.3	.4	.1	.0	1.3	.5	.1	.0
Nov	5.2	4.0	1	#	6.0	1973	1	16.1	1985	11	1985	22	6	1985	4.4	1.8	.6	.2	.0	6.2	2.3	.9	.2
Dec	4.9	3.8	2	1	6.8	1975	13	19.6	1978	12	1978	13	8	1978	4.7	2.3	.3	.1	.0	10.0	5.8	3.4	.5
Ann	42.7	32.8	N/A	N/A	22.0	Apr 1998	15	35.2	Apr 1998	22	Apr 1998	16	8	Dec 1978	31.6	15.9	4.3	1.2	.1	56.4	27.6	12.9	1.3

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States No. 20 1971-2000

Station: **BILLY CREEK, WY**

COOP ID: 480740

Climate Division: **WY 5**

NWS Call Sign:

Elevation: **4,975 Feet**

Lat: **44° 08N**

Lon: **106° 43W**

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	7/08	6/30	6/25	6/20	6/16	6/11	6/07	6/01	5/25
32	6/11	6/06	6/02	5/30	5/27	5/24	5/21	5/18	5/13
28	5/26	5/21	5/17	5/14	5/12	5/09	5/06	5/02	4/27
24	5/14	5/09	5/05	5/02	4/30	4/27	4/24	4/20	4/15
20	5/01	4/27	4/25	4/22	4/20	4/17	4/15	4/12	4/08
16	4/23	4/18	4/15	4/12	4/09	4/06	4/03	3/31	3/26
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/19	8/25	8/29	9/01	9/04	9/07	9/11	9/15	9/20
32	9/06	9/10	9/12	9/14	9/16	9/18	9/20	9/23	9/26
28	9/14	9/18	9/21	9/23	9/25	9/27	9/30	10/02	10/06
24	9/16	9/22	9/26	9/30	10/03	10/07	10/11	10/15	10/21
20	9/20	9/26	10/01	10/05	10/09	10/13	10/17	10/22	10/29
16	10/03	10/09	10/13	10/17	10/21	10/24	10/28	11/01	11/07
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	106	97	91	85	80	75	69	62	53
32	128	122	118	115	111	108	105	100	95
28	156	149	144	140	136	132	128	123	116
24	181	173	166	161	156	151	146	140	131
20	197	188	182	177	172	167	162	155	147
16	217	209	203	198	194	189	185	179	171

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: BILLY CREEK, WY

COOP ID: 480740

Climate Division: WY 5

NWS Call Sign:

Elevation: 4,975 Feet Lat: 44°08N

Lon: 106°43W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1360	1081	963	691	442	187	67	100	320	653	1037	1299	8200
60	1205	941	808	541	298	100	21	43	205	498	887	1144	6691
57	1112	857	715	454	221	62	9	23	147	406	797	1051	5854
55	1050	801	653	397	176	42	4	15	114	345	742	989	5328
50	897	667	499	263	87	14	0	4	51	204	602	840	4128
32	409	248	84	14	0	0	0	0	0	6	205	364	1330

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	72	91	144	312	584	856	1086	1050	694	376	158	88	5511
55	0	0	0	6	47	208	376	352	118	2	6	0	1115
57	0	0	0	3	30	168	320	298	92	1	0	0	912
60	0	0	0	0	14	116	238	224	59	0	0	0	651
65	0	0	0	0	3	52	130	127	24	0	0	0	336
70	0	0	0	0	0	18	55	57	8	0	0	0	138

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	7	20	63	168	381	650	884	854	522	234	57	15	7	27	90	258	639	1289	2173	3027	3549	3783	3840	3855
45	0	3	23	89	248	501	729	700	387	138	26	2	0	3	26	115	363	864	1593	2293	2680	2818	2844	2846
50	0	0	3	39	143	356	575	546	261	64	8	0	0	0	3	42	185	541	1116	1662	1923	1987	1995	1995
55	0	0	0	12	68	228	421	394	159	23	0	0	0	0	0	12	80	308	729	1123	1282	1305	1305	1305
60	0	0	0	1	23	125	278	249	80	5	0	0	0	0	0	1	24	149	427	676	756	761	761	761
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	13	25	65	139	247	405	555	540	351	189	60	22	13	38	103	242	489	894	1449	1989	2340	2529	2589	2611

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20

1971-2000

Station: BITTER CREEK 4 NE, WY

COOP ID: 480761

Climate Division: WY 3

NWS Call Sign:

Elevation: 6,720 Feet Lat: 41° 35N

Lon: 108° 31W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	31.4	7.5	19.5	57	1981	23	26.2	2000	-46	1972	4	3.6	1979	1411	0	.0	.0	.3	14.5	30.8	7.7
Feb	35.5	11.2	23.4	70	1971	17	31.2	1991	-42	1985	1	13.9	1993	1166	0	.0	.0	1.7	9.6	28.0	5.7
Mar	44.9	20.0	32.5	70	1986	28	38.8	1986	-22+	1969	11	26.8	1977	1010	0	.0	.0	9.9	2.5	29.8	1.0
Apr	54.6	25.3	40.0	83	1969	20	46.1	1992	-10	1980	3	33.4+	1975	751	0	.0	.0	20.7	.7	25.2	.2
May	65.0	33.2	49.1	85+	1984	30	54.3	2000	-4	1967	14	43.3	1975	493	0	.0	.0	28.9	.0	14.8	.0
Jun	76.3	40.6	58.5	97	1988	24	65.5	1988	18	1973	19	51.5	1975	222	26	.0	.8	29.9	.0	3.2	.0
Jul	83.3	46.6	65.0	103	1969	18	68.7	1988	27+	1997	2	58.9	1993	72	70	.0	3.6	31.0	.0	.3	.0
Aug	82.4	44.8	63.6	97+	1979	6	67.9	2000	17	1974	16	58.3	1974	97	54	.0	1.9	31.0	.0	1.4	.0
Sep	72.4	36.0	54.2	90+	1998	5	60.0	1998	-2	1965	18	49.6	1974	330	5	.0	.1	29.2	@	10.3	.0
Oct	59.4	26.6	43.0	78+	2001	2	48.0	1988	-9	1972	31	36.3	1984	683	0	.0	.0	25.5	.3	24.6	.1
Nov	41.8	16.7	29.3	68+	1999	15	38.4	1999	-29	1983	30	19.2	2000	1074	0	.0	.0	8.1	6.0	28.8	2.7
Dec	32.6	8.7	20.7	57+	1995	1	31.4	1980	-41	1964	17	12.5	1983	1376	0	.0	.0	1.2	14.0	30.7	7.5
Ann	56.6	26.4	41.6	103	Jul 1969	18	68.7	Jul 1988	-46	Jan 1972	4	3.6	Jan 1979	8685	155	.0	6.4	217.4	47.6	227.9	24.9

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1962-2001

(3) Derived from 1971-2000 serially complete daily data

Climatology of the United States

No. 20 1971-2000

Station: BITTER CREEK 4 NE, WY

COOP ID: 480761

Climate Division: WY 3

NWS Call Sign:

Elevation: 6,720 Feet Lat: 41° 35N

Lon: 108° 31W

Precipitation (inches)

Precipitation Totals			Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount																	
Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution											
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	.29	.17	1.50	1970	1	1.40	1980	.00+	1999	1.7	1.0	@	.0	.00	.00	.00	.05	.12	.19	.27	.37	.51	.74	.97
Feb	.43	.22	3.00	1999	10	3.00	1999	.00+	1997	4.5	1.2	.1	.1	.00	.00	.03	.10	.17	.26	.37	.52	.73	1.10	1.46
Mar	.30	.30	.50	1991	29	1.02	1992	.00+	1999	2.5	1.1	.1	.0	.00	.00	.04	.11	.17	.23	.31	.39	.51	.70	.89
Apr	.46	.43	1.50	1978	30	1.52	1991	.00+	1996	3.2	1.6	.1	@	.00	.00	.10	.18	.26	.35	.45	.58	.75	1.04	1.33
May	1.22	.80	1.82	1971	30	5.81	1981	.05+	1994	7.1	3.4	.6	.1	.05	.11	.24	.40	.59	.81	1.09	1.46	1.98	2.88	3.78
Jun	.60	.52	1.31	1970	11	1.86	1998	.00+	1985	3.9	1.6	.3	.1	.00	.00	.00	.17	.30	.43	.59	.78	1.03	1.46	1.87
Jul	.73	.42	1.45	1982	28	3.62	1973	.00+	2000	5.0	2.0	.3	.1	.00	.00	.06	.21	.35	.51	.70	.93	1.25	1.76	2.29
Aug	.57	.36	2.00	1997	5	4.07	1997	.00+	1985	2.7	1.4	.2	.1	.00	.03	.10	.18	.28	.39	.52	.70	.94	1.35	1.75
Sep	.74	.66	1.00	1973	25	2.45	1973	.00	1979	4.4	1.9	.3	@	.03	.09	.20	.31	.42	.56	.71	.91	1.18	1.63	2.07
Oct	.68	.58	1.43	1998	28	1.96	1994	.00+	1999	3.8	2.1	.3	@	.00	.06	.17	.27	.39	.51	.66	.84	1.09	1.50	1.91
Nov	.41	.36	1.00	1964	16	1.10	1993	.00+	2000	3.7	1.7	.2	.0	.00	.00	.08	.15	.23	.31	.41	.52	.68	.93	1.17
Dec	.22	.18	1.00+	1982	24	1.20	1972	.00+	1999	1.7	.5	.1	.1	.00	.00	.04	.08	.11	.16	.21	.27	.36	.51	.66
Ann	6.65	6.86	3.00	Feb 1999	10	5.81	May 1981	.00+	Nov 2000	44.2	19.5	2.6	.6	3.93	4.42	5.07	5.58	6.04	6.49	6.97	7.50	8.16	9.14	10.00

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1962-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: BITTER CREEK 4 NE, WY

COOP ID: 480761

Climate Division: WY 3

NWS Call Sign:

Elevation: 6,720 Feet

Lat: 41°35N

Lon: 108°31W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	4.2	2.6	1	#	6.0	1995	16	10.3	1995	11	1993	13	4	1993	1.7	1.5	.6	.1	.0	-9.9	-9.9	-9.9	-9.9
Feb	1.6	2.0	1	0	6.0	1989	3	6.0	1989	15	1989	5	12	1989	1.2	1.1	.2	.1	.0	-9.9	-9.9	-9.9	-9.9
Mar	1.2	.3	#	0	4.0	1990	6	5.5	1990	4	1990	6	#+	1997	.4	.4	.2	.0	.0	.3	.2	.0	.0
Apr	1.8	1.0	#	0	4.9	1991	11	7.9	1991	4	1991	11	#+	1999	.5	.5	.2	.0	.0	.2	.2	.0	.0
May	#	.0	0	0	#	1995	7	#+	1995	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	#	.0	0	0	#	1991	10	#+	1991	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	#	0	.9	1973	2	.9	1973	1	1973	2	#+	1999	@	.0	.0	.0	.0	.1	.0	.0	.0
Oct	1.1	.0	#	0	6.0	1995	22	9.0	1980	6	1995	22	#+	1995	.3	.2	.1	.1	.0	.1	.1	.1	.0
Nov	3.1	1.2	#	0	10.0	1991	29	12.0	1992	10	1991	30	1	1993	1.4	1.0	.3	.2	.1	1.4	.7	.3	.1
Dec	3.5	2.0	#	#	10.0	1972	29	12.0	1972	10	1991	4	3	1991	1.0	.7	.2	.1	.1	.8	.1	.0	.0
Ann	16.5	9.1	N/A	N/A	10.0+	Nov 1991	29	12.0+	Nov 1992	15	Feb 1989	5	12	Feb 1989	6.5	5.4	1.8	.6	.2	-9.9	-9.9	-9.9	-9.9

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: BITTER CREEK 4 NE, WY

COOP ID: 480761

Climate Division: WY 3

NWS Call Sign:

Elevation: 6,720 Feet

Lat: 41° 35N

Lon: 108° 31W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	7/22	7/15	7/10	7/06	7/02	6/29	6/25	6/20	6/13
32	7/10	7/03	6/28	6/24	6/20	6/16	6/12	6/07	5/31
28	6/23	6/15	6/10	6/05	6/01	5/27	5/23	5/17	5/10
24	6/06	5/30	5/25	5/21	5/17	5/13	5/09	5/04	4/27
20	5/30	5/22	5/16	5/10	5/05	4/30	4/25	4/19	4/10
16	5/09	5/02	4/27	4/23	4/19	4/15	4/11	4/06	3/31
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/03	8/09	8/14	8/18	8/22	8/26	8/30	9/04	9/11
32	8/10	8/17	8/22	8/26	8/31	9/04	9/08	9/13	9/20
28	8/27	9/02	9/06	9/10	9/13	9/16	9/20	9/24	9/30
24	9/03	9/09	9/13	9/17	9/20	9/23	9/27	10/01	10/07
20	9/11	9/18	9/22	9/26	9/30	10/04	10/08	10/12	10/19
16	9/24	10/01	10/06	10/10	10/13	10/17	10/21	10/26	11/01
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	80	69	62	56	50	44	38	31	21
32	105	93	85	78	71	64	57	49	37
28	130	121	114	109	103	98	93	86	77
24	155	145	138	131	126	120	114	106	96
20	182	170	162	154	147	140	133	124	112
16	205	195	188	182	177	171	165	158	148

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: BITTER CREEK 4 NE, WY

COOP ID: 480761

Climate Division: WY 3

NWS Call Sign:

Elevation: 6,720 Feet Lat: 41° 35N

Lon: 108° 31W

Degree Days to Selected Base Temperatures (°F)

Base	Heating Degree Days (1)												
	Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
65	1411	1166	1010	751	493	222	72	97	330	683	1074	1376	8685
60	1256	1026	855	601	343	121	18	31	200	528	924	1221	7124
57	1163	942	762	514	260	76	6	12	135	435	834	1128	6267
55	1101	886	700	457	210	52	2	6	98	374	774	1066	5726
50	946	746	546	322	108	16	0	0	35	231	625	911	4486
32	425	282	105	33	1	0	0	0	0	8	187	381	1422

Base	Cooling Degree Days (1)												
	Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
32	37	40	118	271	532	794	1020	980	665	348	103	28	4936
55	0	0	0	6	27	156	310	272	73	1	0	0	845
57	0	0	0	3	16	120	251	217	50	0	0	0	657
60	0	0	0	0	5	75	170	142	24	0	0	0	416
65	0	0	0	0	0	26	70	54	5	0	0	0	155
70	0	0	0	0	0	6	15	11	0	0	0	0	32

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	20	105	310	569	787	745	436	158	14	0	0	0	20	125	435	1004	1791	2536	2972	3130	3144	3144
45	0	0	0	42	181	420	632	590	296	70	0	0	0	0	0	42	223	643	1275	1865	2161	2231	2231	2231
50	0	0	0	11	84	278	477	435	176	19	0	0	0	0	0	11	95	373	850	1285	1461	1480	1480	1480
55	0	0	0	0	26	158	323	282	82	0	0	0	0	0	0	0	26	184	507	789	871	871	871	871
60	0	0	0	0	2	65	175	143	26	0	0	0	0	0	0	0	2	67	242	385	411	411	411	411
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	30	116	253	407	533	514	349	177	29	0	0	0	30	146	399	806	1339	1853	2202	2379	2408	2408

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20

1971-2000

Station: BLACK MOUNTAIN, WY

COOP ID: 480778

Climate Division: WY 4

NWS Call Sign:

Elevation: 5,635 Feet Lat: 43° 39N

Lon: 107° 44W

Temperature (°F)																					
Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	34.5	14.6	24.6	60	1981	23	35.8	1981	-24	1972	26	11.7	1979	1254	0	.0	.0	2.2	10.9	29.3	5.4
Feb	38.9	18.3	28.6	65	1995	22	36.3	1991	-36+	1989	5	14.0	1989	1020	0	.0	.0	4.6	6.7	25.8	3.1
Mar	45.2	24.3	34.8	73	1986	31	41.1+	1992	-12+	1989	4	26.5	1996	938	0	.0	.0	11.5	4.1	25.8	.9
Apr	54.1	31.9	43.0	81+	2000	29	50.3	1987	4	1997	12	35.0	1975	661	0	.0	.0	19.3	1.0	17.5	.0
May	63.9	40.6	52.3	89	1985	25	60.3	1994	16	1967	1	44.9	1995	408	12	.0	.0	27.3	.1	5.8	.0
Jun	76.5	49.8	63.2	102	1988	25	73.5	1988	28+	1998	4	54.9	1998	152	96	@	2.7	29.6	.0	.5	.0
Jul	86.1	56.9	71.5	101+	1998	20	77.2	2000	37+	1983	16	63.3	1993	32	233	.3	11.6	31.0	.0	.0	.0
Aug	84.5	55.6	70.1	102	2001	6	75.7	2000	35	1981	31	63.6	1987	48	204	@	8.6	31.0	.0	.0	.0
Sep	71.7	44.4	58.1	95+	2000	16	66.0	1990	10	1984	26	50.0	1985	260	52	.0	1.2	28.0	.1	4.3	.0
Oct	58.4	33.9	46.2	86	1988	12	53.9	1979	0	1991	30	40.6	1971	586	1	.0	.0	24.0	.8	14.3	@
Nov	42.9	23.0	33.0	71+	1999	14	44.4	1999	-19	1986	10	19.7	1985	961	0	.0	.0	9.3	5.5	24.4	1.3
Dec	35.8	16.6	26.2	62	1965	5	34.6	1980	-34	1972	10	12.0	1983	1202	0	.0	.0	3.4	10.1	29.0	3.6
Ann	57.7	34.2	46.0	102+	Aug 2001	6	77.2	Jul 2000	-36+	Feb 1989	5	11.7	Jan 1979	7522	598	.3	24.1	221.2	39.3	176.7	14.3

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1963-2001

(3) Derived from 1971-2000 serially complete daily data

Climatology of the United States

No. 20 1971-2000

Station: BLACK MOUNTAIN, WY

COOP ID: 480778

Climate Division: WY 4

NWS Call Sign:

Elevation: 5,635 Feet Lat: 43° 39N

Lon: 107° 44W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1)											
														Probability that the monthly/annual precipitation will be equal to or less than the indicated amount											
Means/Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels												
													These values were determined from the incomplete gamma distribution												
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95	
Jan	.58	.49	.79	1972	3	1.80	1972	.00+	1992	4.3	2.3	.2	.0	.00	.09	.21	.30	.39	.49	.60	.73	.90	1.18	1.45	
Feb	.49	.48	.57	1967	15	1.28	1986	.00	1999	4.1	1.9	.0	.0	.06	.12	.20	.27	.34	.42	.50	.61	.75	.97	1.18	
Mar	1.14	.97	1.20	1998	18	3.17	1998	.11	1979	6.2	3.6	.5	@	.21	.31	.48	.63	.79	.96	1.15	1.39	1.70	2.20	2.67	
Apr	1.83	1.62	2.35	1978	28	4.12	1984	.05	1987	6.9	5.1	1.0	.2	.30	.46	.72	.97	1.23	1.52	1.84	2.23	2.76	3.61	4.42	
May	2.42	2.18	2.08	1978	18	6.78	1978	.38	1994	7.5	5.4	1.6	.5	.60	.83	1.18	1.49	1.80	2.13	2.50	2.93	3.50	4.40	5.25	
Jun	1.70	1.48	1.83	1964	22	5.85	1993	.12	1978	6.5	4.0	1.2	.2	.26	.41	.65	.89	1.13	1.40	1.70	2.08	2.58	3.40	4.18	
Jul	1.09	1.00	1.26	1990	21	3.68	1997	.00	1988	4.8	3.0	.7	.1	.03	.11	.25	.41	.58	.78	1.03	1.34	1.76	2.49	3.20	
Aug	.77	.51	1.38	1968	10	2.60	1976	.00	1985	4.3	2.2	.4	.0	.04	.10	.22	.33	.45	.59	.75	.94	1.22	1.66	2.10	
Sep	1.30	1.08	1.52	1995	30	3.94	1982	.00	1979	4.8	3.0	1.0	.2	.06	.17	.37	.56	.76	.99	1.26	1.60	2.07	2.84	3.59	
Oct	1.50	1.37	1.35	1994	16	4.60	1998	.00	1984	4.8	3.8	1.1	.2	.08	.22	.46	.68	.91	1.17	1.48	1.85	2.37	3.21	4.03	
Nov	.82	.73	.92	1990	2	2.51	1983	.09	1997	4.7	2.8	.4	.0	.16	.23	.35	.46	.58	.70	.83	1.00	1.22	1.57	1.90	
Dec	.60	.55	.80	1982	2	2.11	1982	.06	1980	5.0	2.3	.1	.0	.10	.16	.24	.33	.41	.50	.60	.73	.90	1.16	1.42	
Ann	14.24	14.07	2.35	Apr 1978	28	6.78	May 1978	.00+	Feb 1999	63.9	39.4	8.2	1.4	8.79	9.79	11.10	12.12	13.04	13.94	14.88	15.93	17.22	19.12	20.79	

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1963-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: **BLACK MOUNTAIN, WY**

COOP ID: **480778**

Climate Division: **WY 4**

NWS Call Sign:

Elevation: **5,635 Feet**

Lat: **43° 39N**

Lon: **107° 44W**

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	9.2	7.3	4	3	16.0	1972	3	30.0	1972	19	1973	8	13	1979	3.7	2.8	1.0	.5	.1	21.7	13.8	8.9	4.0
Feb	6.0	6.0	3	2	8.0	1977	23	14.0	1994	15	1986	15	6+	1993	3.3	2.7	.5	.1	.0	17.1	9.1	4.1	.0
Mar	10.5	8.5	2	1	12.0	1998	18	41.0	1977	20	1977	30	5	1977	4.7	4.3	1.5	.4	@	12.3	5.5	1.8	.4
Apr	8.2	7.8	1	#	10.0	1973	19	35.4	1973	23	1973	21	5	1991	3.4	2.9	1.0	.4	@	4.9	2.5	1.7	.8
May	3.7	1.3	#	#	14.0	1975	7	26.0+	1978	16	1975	7	1	1978	1.1	1.0	.5	.2	@	1.2	.7	.2	@
Jun	.6	.0	#	0	9.5	1976	14	9.5	1976	7	1998	4	#+	1998	.1	.1	.1	.1	.0	.1	.1	@	.0
Jul	.0	.0	#	0	.0	0	0	.0	0	#	1990	5	#	1990	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.7	.0	#	0	19.0	1982	14	19.0	1982	19	1982	14	1	1982	.4	.3	.1	@	@	.3	.1	.1	@
Oct	6.2	4.0	#	#	14.0	1991	28	36.0	1971	14	1991	29	3	1971	1.8	1.6	.7	.4	@	2.0	1.3	.8	.3
Nov	9.1	9.0	2	2	12.0	1978	10	19.5	1994	16	1983	30	8	1983	3.4	2.8	1.0	.4	@	12.4	6.4	3.2	.6
Dec	9.3	7.6	3	2	9.0	1972	30	27.5	1978	16+	1982	9	13	1978	3.8	3.3	.9	.2	.0	20.5	11.4	6.0	1.9
Ann	63.5	51.5	N/A	N/A	19.0	Sep 1982	14	41.0	Mar 1977	23	Apr 1973	21	13+	Jan 1979	25.7	21.8	7.3	2.7	.1	92.5	50.9	26.8	8.0

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: **BLACK MOUNTAIN, WY**

COOP ID: 480778

Climate Division: **WY 4**

NWS Call Sign:

Elevation: **5,635 Feet**

Lat: **43° 39N**

Lon: **107° 44W**

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/19	6/13	6/08	6/05	6/01	5/29	5/25	5/21	5/15
32	6/13	6/06	6/01	5/28	5/24	5/20	5/15	5/10	5/03
28	5/27	5/20	5/15	5/11	5/07	5/03	4/29	4/24	4/17
24	5/09	5/02	4/27	4/23	4/18	4/14	4/10	4/05	3/28
20	5/05	4/28	4/22	4/18	4/14	4/09	4/05	3/30	3/23
16	4/22	4/13	4/07	4/02	3/29	3/24	3/19	3/13	3/04
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/31	9/05	9/09	9/13	9/16	9/19	9/22	9/26	10/01
32	9/10	9/14	9/18	9/20	9/23	9/26	9/29	10/02	10/06
28	9/15	9/20	9/24	9/27	10/01	10/04	10/07	10/11	10/16
24	9/23	9/30	10/05	10/09	10/13	10/17	10/21	10/26	11/02
20	10/02	10/10	10/15	10/20	10/24	10/28	11/02	11/07	11/14
16	10/10	10/18	10/24	10/28	11/02	11/06	11/11	11/17	11/24
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	131	122	116	111	106	101	95	89	81
32	147	139	132	127	122	117	111	105	96
28	173	164	157	151	146	141	135	128	119
24	210	198	190	183	177	170	164	155	144
20	228	216	207	200	193	186	178	169	157
16	259	245	235	226	218	209	201	190	176

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: BLACK MOUNTAIN, WY

COOP ID: 480778

Climate Division: WY 4

NWS Call Sign:

Elevation: 5,635 Feet Lat: 43° 39N

Lon: 107° 44W

Degree Days to Selected Base Temperatures (°F)

Base	Heating Degree Days (1)												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
Below													
65	1254	1020	938	661	408	152	32	48	260	586	961	1202	7522
60	1099	880	783	515	276	80	10	17	163	436	811	1047	6117
57	1006	796	690	431	209	49	3	8	117	350	721	954	5334
55	944	740	628	377	170	34	1	4	91	297	661	892	4839
50	789	600	477	254	91	12	0	1	42	181	521	744	3712
32	301	186	84	20	1	0	0	0	0	6	133	280	1011

Cooling Degree Days (1)

Base	Cooling Degree Days (1)												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
Above													
32	71	90	169	349	628	934	1225	1179	782	443	162	101	6133
55	0	0	0	17	85	278	513	470	183	22	0	0	1568
57	0	0	0	10	62	234	453	411	149	13	0	0	1332
60	0	0	0	5	36	174	366	328	106	6	0	0	1021
65	0	0	0	0	12	96	233	204	52	1	0	0	598
70	0	0	0	0	3	43	132	110	21	0	0	0	309

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	1	16	52	173	403	706	976	934	560	248	56	9	1	17	69	242	645	1351	2327	3261	3821	4069	4125	4134
45	0	1	17	94	274	559	821	779	419	147	20	0	0	1	18	112	386	945	1766	2545	2964	3111	3131	3131
50	0	0	0	48	164	414	666	624	296	77	3	0	0	0	0	48	212	626	1292	1916	2212	2289	2292	2292
55	0	0	0	14	83	282	513	472	189	30	0	0	0	0	0	14	97	379	892	1364	1553	1583	1583	1583
60	0	0	0	2	31	166	362	325	101	8	0	0	0	0	0	2	33	199	561	886	987	995	995	995
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	8	40	117	243	445	628	603	361	171	30	5	0	8	48	165	408	853	1481	2084	2445	2616	2646	2651

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20

1971-2000

Station: BONDURANT, WY

COOP ID: 480865

Climate Division: WY 2

NWS Call Sign:

Elevation: 6,535 Feet Lat: 43° 14N

Lon: 110° 26W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	22.4	-6.2	8.1	46+	1977	19	14.7	1999	-56	1951	30	-3.0	1979	1766	0	.0	.0	.0	24.4	31.0	18.5
Feb	27.9	-3.8	12.1	54	1977	20	21.3	1995	-57	1951	1	3.3	1985	1483	0	.0	.0	.1	18.2	28.2	16.5
Mar	36.8	5.7	21.3	60	1977	23	28.4	1992	-39	1976	5	9.9	1976	1356	0	.0	.0	1.0	6.3	30.8	9.8
Apr	46.3	18.6	32.5	77+	1977	25	38.7	1992	-23	1975	1	25.4	1982	977	0	.0	.0	10.8	.7	29.1	1.4
May	59.7	28.6	44.2	82+	1967	23	48.1	1987	7	1966	23	40.5	1983	648	0	.0	.0	26.5	.0	23.7	.0
Jun	69.4	32.1	50.8	89+	1990	30	56.8	1977	13	1969	1	47.4	1998	427	0	.0	.0	29.4	.0	18.6	.0
Jul	77.4	35.3	56.4	93	2000	31	60.2	1998	18	1993	13	49.3	1993	271	3	.0	.3	31.0	.0	12.7	.0
Aug	76.7	33.7	55.2	93+	2000	2	58.9	1971	12+	1960	28	51.1	1975	307	3	.0	.1	31.0	.0	14.8	.0
Sep	67.3	25.6	46.5	89	1950	4	52.5	1998	3	1985	30	41.8	1972	556	0	.0	.0	28.5	.0	23.6	.0
Oct	54.4	16.8	35.6	79	2001	1	40.5	1988	-14+	1991	30	29.6	1984	912	0	.0	.0	21.8	.6	29.5	.5
Nov	35.7	7.1	21.4	66	1999	7	28.9	1995	-39	1955	16	15.4	1975	1309	0	.0	.0	3.4	10.5	29.6	8.8
Dec	22.3	-6.4	8.0	49+	1995	2	15.8	1980	-51	1972	10	.1	1984	1770	0	.0	.0	.0	25.3	31.0	19.1
Ann	49.7	15.6	32.7	93+	Aug 2000	2	60.2	Jul 1998	-57	Feb 1951	1	-3.0	Jan 1979	11782	6	.0	.4	183.5	86.0	302.6	74.6

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20 1971-2000

Station: BONDURANT, WY

COOP ID: 480865

Climate Division: WY 2

NWS Call Sign:

Elevation: 6,535 Feet Lat: 43°14N

Lon: 110°26W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1)										
														Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
Means/Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels											
													These values were determined from the incomplete gamma distribution											
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	2.41	2.25	2.10	1950	28	5.09	1998	.01	1992	11.2	6.7	1.3	.1	.22	.39	.71	1.05	1.41	1.83	2.32	2.94	3.79	5.20	6.59
Feb	1.94	1.62	1.85	1950	20	6.55	1986	.07	1977	8.8	5.6	1.1	.1	.24	.39	.66	.93	1.22	1.54	1.91	2.37	2.99	4.02	5.01
Mar	1.66	1.48	1.80	1950	6	4.37	1974	.19	1977	9.6	4.7	.8	.1	.34	.49	.73	.96	1.18	1.42	1.69	2.02	2.45	3.14	3.79
Apr	1.20	.98	1.35	1990	28	4.46	1972	.07	1977	7.7	3.4	.4	.1	.20	.30	.48	.64	.81	1.00	1.21	1.46	1.81	2.36	2.89
May	1.67	1.41	1.31+	1964	27	3.48	1995	.11	1976	11.4	5.4	.4	.0	.39	.54	.79	1.01	1.22	1.45	1.71	2.02	2.43	3.07	3.68
Jun	1.56	1.42	1.32	1998	5	4.71	1998	.30	1990	8.8	4.2	.5	.1	.29	.43	.66	.87	1.08	1.32	1.58	1.90	2.32	3.00	3.65
Jul	1.42	1.17	1.30	1977	24	3.49	1984	.13	1979	7.5	4.0	.6	.1	.25	.37	.58	.77	.97	1.18	1.43	1.73	2.13	2.77	3.38
Aug	1.34	1.25	1.58	1995	24	3.20	1977	.32	1996	7.7	4.2	.5	@	.39	.52	.71	.87	1.04	1.20	1.39	1.61	1.89	2.34	2.75
Sep	1.35	1.19	1.51	1973	8	3.91	1982	.00	1974	7.1	4.0	.6	.1	.09	.23	.44	.64	.85	1.08	1.34	1.67	2.11	2.84	3.54
Oct	1.35	1.19	1.39	1975	26	6.52	1971	.07	1978	6.4	3.6	.6	.1	.14	.24	.43	.62	.82	1.05	1.31	1.64	2.10	2.85	3.58
Nov	2.07	1.45	1.26	2001	25	6.20	1973	.30	1976	9.6	5.8	1.1	.1	.35	.53	.83	1.12	1.41	1.72	2.09	2.52	3.11	4.06	4.97
Dec	2.20	1.71	1.66	1964	23	6.40	1971	.08	1986	10.1	6.0	1.4	.1	.20	.35	.65	.95	1.29	1.67	2.12	2.69	3.46	4.77	6.04
Ann	20.17	19.07	2.10	Jan 1950	28	6.55	Feb 1986	.00	Sep 1974	105.9	57.6	9.3	1.0	11.38	12.93	15.00	16.63	18.11	19.57	21.10	22.84	24.98	28.16	30.98

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: BONDURANT, WY

COOP ID: 480865

Climate Division: WY 2

NWS Call Sign:

Elevation: 6,535 Feet

Lat: 43° 14N

Lon: 110° 26W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	31.4	31.3	25	26	20.0	1980	10	82.1	1998	65	1978	18	60	1978	9.8	8.5	3.9	1.9	.4	30.1	30.1	28.7	27.9
Feb	19.8	13.6	29	29	14.0	1986	13	70.6	1999	69	1978	11	57	1978	7.6	6.1	3.0	1.7	.2	-9.9	-9.9	-9.9	-9.9
Mar	15.8	17.0	27	29	13.0	1976	1	38.4	1971	56	1999	1	48	1999	6.4	5.1	1.8	.7	.1	-9.9	-9.9	-9.9	-9.9
Apr	4.5	3.0	12	11	7.0	1972	19	15.6	1999	47	1999	2	33	1999	1.8	1.5	.5	.2	.0	19.3	18.1	16.6	12.5
May	.8	.0	#	#	3.5	1971	17	4.0	1975	14	1999	1	2	1999	.7	.5	.1	.0	.0	.6	.2	@	.0
Jun	.3	.0	#	0	4.5	1998	5	4.5	1998	4	1998	5	#+	1999	.1	.1	@	.0	.0	.1	@	.0	.0
Jul	#	.0	0	0	#	1975	2	#	1975	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.3	.0	#	0	3.0	1982	14	3.0+	1982	1+	2000	23	#+	2000	.3	.2	@	.0	.0	.2	.0	.0	.0
Oct	2.3	.3	#	#	16.0	1975	26	19.0	1975	16	1975	26	2	1975	.9	.7	.2	.1	@	.7	.4	.2	.1
Nov	20.2	18.5	5	4	14.0	1986	17	51.0	1985	32	1985	25	13	1985	6.9	6.0	2.4	1.0	.2	18.1	11.9	8.4	4.6
Dec	29.2	25.3	17	17	15.5	1998	28	59.9	1971	50	1977	31	35	1996	8.9	7.2	3.4	1.7	.4	29.2	27.8	27.0	18.4
Ann	124.6	109.0	N/A	N/A	20.0	Jan 1980	10	82.1	Jan 1998	69	Feb 1978	11	60	Jan 1978	43.4	35.9	15.3	7.3	1.3	-9.9	-9.9	-9.9	-9.9

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States No. 20 1971-2000

Station: BONDURANT, WY

COOP ID: 480865

Climate Division: WY 2

NWS Call Sign:

Elevation: 6,535 Feet

Lat: 43° 14N

Lon: 110° 26W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/03	8/01	7/31	7/30	7/29	7/28	7/27	7/26	7/24
32	8/02	7/31	7/30	7/28	7/27	7/26	7/24	7/22	7/20
28	7/28	7/24	7/20	7/17	7/14	7/11	7/08	7/05	6/30
24	7/17	7/10	7/05	7/01	6/27	6/23	6/19	6/14	6/07
20	6/29	6/19	6/12	6/06	5/31	5/26	5/20	5/13	5/03
16	6/01	5/24	5/18	5/13	5/09	5/04	4/30	4/24	4/16
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	7/31	7/31	8/01	8/02	8/02	8/03	8/04	8/04	8/06
32	7/29	7/31	8/02	8/03	8/05	8/06	8/07	8/09	8/12
28	7/30	8/02	8/06	8/09	8/11	8/14	8/17	8/20	8/25
24	8/06	8/12	8/16	8/20	8/24	8/27	8/31	9/04	9/10
20	8/17	8/23	8/28	8/31	9/04	9/08	9/12	9/16	9/23
16	9/02	9/07	9/11	9/14	9/17	9/20	9/24	9/27	10/03
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	10	8	6	5	4	2	1	0	0
32	20	16	13	10	8	6	3	0	0
28	47	41	35	31	27	23	19	14	7
24	84	75	68	62	57	51	45	39	29
20	126	115	108	101	95	89	82	75	64
16	161	150	143	137	131	125	118	111	100

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: BONDURANT, WY

COOP ID: 480865

Climate Division: WY 2

NWS Call Sign:

Elevation: 6,535 Feet Lat: 43° 14N

Lon: 110° 26W

Degree Days to Selected Base Temperatures (°F)

Base	Heating Degree Days (1)												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
Below 65	1766	1483	1356	977	648	427	271	307	556	912	1309	1770	11782
60	1611	1343	1201	827	493	281	138	170	408	757	1159	1615	10003
57	1518	1259	1108	737	400	199	80	107	323	664	1069	1522	8986
55	1456	1203	1046	677	338	151	50	74	269	602	1009	1460	8335
50	1301	1063	891	528	194	60	10	21	152	447	859	1305	6831
32	743	560	355	111	2	0	0	0	0	39	341	747	2898

Cooling Degree Days (1)

Base	Cooling Degree Days (1)												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
Above 32	0	1	22	125	377	563	755	719	435	151	22	0	3170
55	0	0	0	0	0	23	92	79	13	0	0	0	207
57	0	0	0	0	0	12	60	51	7	0	0	0	130
60	0	0	0	0	0	4	25	21	2	0	0	0	52
65	0	0	0	0	0	0	3	3	0	0	0	0	6
70	0	0	0	0	0	0	0	0	0	0	0	0	0

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	0	24	177	332	521	488	233	40	0	0	0	0	0	24	201	533	1054	1542	1775	1815	1815	1815
45	0	0	0	4	71	192	366	333	118	6	0	0	0	0	0	4	75	267	633	966	1084	1090	1090	1090
50	0	0	0	0	17	85	216	186	39	0	0	0	0	0	0	0	17	102	318	504	543	543	543	543
55	0	0	0	0	0	20	86	66	9	0	0	0	0	0	0	0	0	20	106	172	181	181	181	181
60	0	0	0	0	0	1	16	12	0	0	0	0	0	0	0	0	0	1	17	29	29	29	29	29
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	0	48	187	313	446	433	284	132	8	0	0	0	0	48	235	548	994	1427	1711	1843	1851	1851

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20

1971-2000

Station: BOYSEN DAM, WY

COOP ID: 481000

Climate Division: WY 9

NWS Call Sign:

Elevation: 4,810 Feet Lat: 43° 24N

Lon: 108° 10W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	27.0	3.8	15.4	70	1953	11	27.1	1999	-39	1979	31	-7.6	1979	1537	0	.0	.0	1.7	17.3	30.8	9.3
Feb	35.1	10.2	22.7	69	1951	10	32.2	1991	-32+	1979	3	5.6	1989	1186	0	.0	.0	5.0	9.0	27.9	5.5
Mar	48.3	23.4	35.9	75	1986	28	42.4	1972	-10+	1993	2	27.2	1973	905	0	.0	.0	16.6	2.1	26.4	.4
Apr	57.8	33.0	45.4	84+	1992	30	51.8	1987	2	1975	2	37.9	1973	587	0	.0	.0	25.0	.2	13.4	.0
May	68.4	43.5	56.0	93+	1984	31	62.9	1994	20	1954	1	51.1	1978	300	18	.0	.1	30.0	.0	2.2	.0
Jun	80.4	52.6	66.5	103	1988	25	74.9	1988	30	1951	3	59.4	1998	89	134	.3	6.8	29.9	.0	.1	.0
Jul	88.8	59.2	74.0	108	1954	4	78.4	1988	40	1978	9	68.1	1993	7	285	1.1	17.9	31.0	.0	.0	.0
Aug	87.0	57.8	72.4	104	1979	6	77.2	1983	39	1968	9	68.6+	1978	18	246	.3	15.0	31.0	.0	.0	.0
Sep	74.1	46.7	60.4	99	1998	5	66.7	1990	16	1965	17	55.6	1985	184	47	.0	2.4	29.2	.1	1.1	.0
Oct	60.3	35.1	47.7	89	1971	10	52.9	1988	8	1991	31	42.8	1971	536	0	.0	.0	27.0	.4	8.6	.0
Nov	41.1	20.9	31.0	70+	1999	9	40.6	1999	-15+	1985	24	16.2	1985	1019	0	.0	.0	10.3	5.7	26.6	1.3
Dec	29.2	8.1	18.7	65	1995	4	29.7	1980	-36	1978	31	5.4	1983	1436	0	.0	.0	2.2	16.0	30.8	6.1
Ann	58.1	32.9	45.5	108	1954	4	78.4	1988	-39	1979	31	-7.6	1979	7804	730	1.7	42.2	238.9	50.8	167.9	22.6

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Climatology of the United States

No. 20 1971-2000

Station: **BOYSEN DAM, WY**

COOP ID: 481000

Climate Division: **WY 9**

NWS Call Sign:

Elevation: **4,810 Feet** Lat: **43°24N**

Lon: **108°10W**

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1)										
														Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
Means/Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels											
													These values were determined from the incomplete gamma distribution											
Month	Mean	Median	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	.28	.27	.50	1964	23	.71	1973	.00+	1999	3.7	1.0	@	.0	.00	.00	.08	.13	.18	.23	.29	.36	.44	.59	.73
Feb	.30	.28	.59	1978	20	.81+	1986	.02+	1990	3.6	1.0	@	.0	.04	.06	.11	.15	.19	.24	.30	.37	.46	.61	.76
Mar	.62	.51	1.05	1973	23	2.28	1998	.04	1994	4.8	1.9	.3	@	.06	.10	.19	.27	.37	.48	.60	.76	.98	1.34	1.69
Apr	1.22	1.03	2.25	1957	23	3.64	1973	.04	1987	6.7	3.3	.5	.1	.14	.23	.40	.57	.76	.96	1.19	1.49	1.88	2.54	3.18
May	1.93	1.76	2.00	1978	18	5.14	1978	.19	1984	8.5	4.5	1.2	.1	.34	.51	.79	1.05	1.32	1.62	1.95	2.35	2.89	3.77	4.60
Jun	1.15	.89	2.51	1964	22	3.35	1993	.12	1978	6.5	2.9	.5	.1	.13	.21	.37	.53	.71	.90	1.13	1.41	1.79	2.42	3.04
Jul	.78	.63	1.53	1997	29	2.36	1977	.00	1976	5.1	2.3	.3	.1	.01	.06	.15	.25	.38	.52	.70	.94	1.26	1.83	2.39
Aug	.54	.46	1.14	1963	31	1.34+	1976	.02	1996	4.5	1.8	.1	@	.04	.08	.15	.22	.30	.40	.51	.65	.85	1.18	1.51
Sep	.92	.73	1.32	1999	4	2.84	1982	.04	1992	5.0	2.5	.5	.1	.06	.12	.24	.36	.51	.67	.86	1.11	1.46	2.04	2.62
Oct	.95	.85	1.25	1971	18	3.53	1971	.02	1988	4.6	2.4	.4	.1	.08	.14	.27	.40	.54	.71	.91	1.16	1.50	2.07	2.64
Nov	.39	.29	.55	1968	25	2.36	1983	.00	1997	4.1	1.1	.0	.0	.02	.05	.11	.17	.23	.30	.38	.48	.62	.85	1.08
Dec	.30	.20	1.25	1982	2	1.89	1982	.00	1971	3.4	1.0	.1	@	.01	.03	.07	.11	.16	.21	.28	.37	.49	.69	.89
Ann	9.38	9.11	2.51	Jun 1964	22	5.14	May 1978	.00+	Jan 1999	60.5	25.7	3.9	.6	5.39	6.10	7.04	7.78	8.45	9.11	9.81	10.59	11.55	12.99	14.25

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: **BOYSEN DAM, WY**

COOP ID: **481000**

Climate Division: **WY 9**

NWS Call Sign:

Elevation: **4,810 Feet**

Lat: **43°24N**

Lon: **108°10W**

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	2.1	1.0	1	#	4.0	1993	12	6.5	1993	14	1973	4	9	1973	1.2	.7	.2	.0	.0	2.1	.2	.1	.0
Feb	2.9	2.0	1	#	3.0	1971	8	6.5	1971	5+	1998	10	3	1998	1.8	.9	.2	.0	.0	1.8	.4	.0	.0
Mar	1.3	.5	#	0	4.0	1971	17	4.0	1971	10	1973	25	2	1973	.9	.6	.2	.0	.0	.6	.2	.0	.0
Apr	.1	.0	#	0	1.5	1994	28	1.5	1994	18	1973	21	3	1973	.1	.1	.0	.0	.0	.0	.0	.0	.0
May	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	#	0	.0	0	0	.0	0	2	1997	2	#	1997	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	#	0	.1	2000	23	.1	2000	#	2000	22	#	2000	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.4	.0	#	0	2.4	1999	16	2.5	1997	14	1996	28	4	1996	.2	.2	.0	.0	.0	.0	.0	.0	.0
Nov	.8	.0	#	0	4.0	2000	7	4.0	2000	4	2000	17	2	2000	.9	.8	.1	.0	.0	.9	.0	.0	.0
Dec	2.2	1.0	1	#	8.0	1972	29	10.0	1972	9	1982	2	9	1982	1.2	.8	.1	.1	.0	6.5	1.0	.3	.0
Ann	9.8	4.5	N/A	N/A	8.0	Dec 1972	29	10.0	Dec 1972	18	Apr 1973	21	9+	Dec 1982	6.3	4.1	.8	.1	.0	11.9	1.8	.4	.0

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: BOYSEN DAM, WY

COOP ID: 481000

Climate Division: WY 9

NWS Call Sign:

Elevation: 4,810 Feet

Lat: 43° 24N

Lon: 108° 10W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/05	5/30	5/26	5/23	5/20	5/16	5/13	5/09	5/03
32	5/24	5/18	5/14	5/11	5/08	5/05	5/01	4/27	4/22
28	5/13	5/07	5/02	4/28	4/24	4/21	4/17	4/12	4/05
24	5/03	4/27	4/22	4/18	4/14	4/11	4/07	4/02	3/27
20	4/19	4/13	4/09	4/06	4/03	3/30	3/27	3/23	3/17
16	4/17	4/09	4/02	3/28	3/23	3/18	3/13	3/06	2/26
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/14	9/18	9/20	9/23	9/25	9/27	9/30	10/03	10/06
32	9/19	9/25	9/28	10/02	10/05	10/08	10/11	10/15	10/20
28	9/28	10/04	10/09	10/12	10/16	10/19	10/23	10/27	11/02
24	10/06	10/12	10/16	10/20	10/24	10/27	10/31	11/05	11/11
20	10/18	10/24	10/28	10/31	11/03	11/06	11/09	11/13	11/18
16	10/28	11/01	11/04	11/07	11/10	11/12	11/15	11/18	11/22
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	150	142	137	132	128	123	119	113	106
32	175	166	160	154	149	144	139	132	123
28	201	192	185	179	174	168	162	155	146
24	217	208	202	197	192	187	181	175	166
20	239	230	224	218	213	208	203	197	188
16	259	249	242	236	231	225	219	213	203

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: BOYSEN DAM, WY

COOP ID: 481000

Climate Division: WY 9

NWS Call Sign:

Elevation: 4,810 Feet Lat: 43° 24N

Lon: 108° 10W

Degree Days to Selected Base Temperatures (°F)

Base	Heating Degree Days (1)												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
Below													
65	1537	1186	905	587	300	89	7	18	184	536	1019	1436	7804
60	1382	1046	750	442	180	37	1	4	93	382	869	1281	6467
57	1289	962	657	359	123	19	0	1	55	293	779	1188	5725
55	1227	906	595	307	92	12	0	0	36	237	723	1126	5261
50	1075	777	449	192	37	3	0	0	9	122	583	972	4219
32	572	352	79	7	0	0	0	0	0	3	189	472	1674

Base	Cooling Degree Days (1)												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
Above													
32	58	91	197	410	741	1035	1302	1252	853	490	159	59	6647
55	0	0	0	20	120	357	589	539	198	11	3	0	1837
57	0	0	0	12	89	304	527	478	157	5	0	0	1572
60	0	0	0	5	53	232	435	388	106	1	0	0	1220
65	0	0	0	0	18	134	285	246	47	0	0	0	730
70	0	0	0	0	4	65	156	130	16	0	0	0	371

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	6	72	248	530	827	1082	1036	658	304	40	1	0	6	78	326	856	1683	2765	3801	4459	4763	4803	4804
45	0	0	24	140	380	678	927	881	514	186	9	0	0	0	24	164	544	1222	2149	3030	3544	3730	3739	3739
50	0	0	0	64	246	529	772	726	373	90	0	0	0	0	0	64	310	839	1611	2337	2710	2800	2800	2800
55	0	0	0	20	135	383	617	571	249	33	0	0	0	0	0	20	155	538	1155	1726	1975	2008	2008	2008
60	0	0	0	5	61	249	463	416	140	8	0	0	0	0	0	5	66	315	778	1194	1334	1342	1342	1342
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	11	72	180	328	523	697	672	419	206	36	2	0	11	83	263	591	1114	1811	2483	2902	3108	3144	3146

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: BUFFALO, WY

COOP ID: 481165

Climate Division: WY 5

NWS Call Sign:

Elevation: 4,670 Feet Lat: 44° 21N

Lon: 106° 42W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	33.0	7.3	20.2	65	1966	8	28.4	1986	-36	1963	19	2.3	1979	1390	0	.0	.0	4.1	11.1	30.6	7.9
Feb	38.0	13.0	25.5	74	1982	21	34.2	1992	-32+	1996	2	11.5	1989	1107	0	.0	.0	7.3	7.4	27.4	4.3
Mar	46.7	22.4	34.6	78	1986	27	43.3	1986	-22	1978	3	28.1	1996	944	0	.0	.0	15.1	3.6	27.8	1.1
Apr	55.5	32.0	43.8	88	1987	28	50.8	1987	5	1966	20	37.3	1997	638	0	.0	.0	21.5	.9	17.1	.0
May	64.9	41.0	53.0	93+	1969	27	58.4	1994	13	1970	1	47.7	1995	379	5	.0	.1	28.3	.1	4.7	.0
Jun	76.4	50.3	63.4	102	1970	27	74.2	1988	27	1969	14	55.3	1998	142	93	.1	3.6	29.8	.0	.2	.0
Jul	84.0	56.2	70.1	105+	1983	14	74.7	1980	32	1968	1	61.9	1993	41	199	1.0	10.7	31.0	.0	.0	.0
Aug	83.3	54.6	69.0	106	1979	5	77.1	1983	33+	1962	31	63.7	1977	53	177	.2	8.9	31.0	.0	.0	.0
Sep	71.6	43.4	57.5	101	1983	1	64.4	1998	13	1984	25	52.3	1984	250	25	@	1.7	28.7	.1	3.2	.0
Oct	59.7	32.3	46.0	89+	1976	1	50.8	1973	-8	1991	30	41.2	1981	589	0	.0	.0	25.1	.8	15.0	.1
Nov	43.2	18.9	31.1	80	1999	7	43.3	1999	-24	1959	16	16.9	1985	1019	0	.0	.0	10.7	5.5	26.9	1.5
Dec	34.8	9.6	22.2	70	1965	4	28.6	1999	-35	1983	24	7.3	1983	1327	0	.0	.0	5.1	9.7	30.3	5.5
Ann	57.6	31.8	44.7	106	Aug 1979	5	77.1	Aug 1983	-36	Jan 1963	19	2.3	Jan 1979	7879	499	1.3	25.0	237.7	39.2	183.2	20.4

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Climatology of the United States

No. 20 1971-2000

Station: BUFFALO, WY

COOP ID: 481165

Climate Division: WY 5

NWS Call Sign:

Elevation: 4,670 Feet Lat: 44°21N

Lon: 106°42W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1)											
														Probability that the monthly/annual precipitation will be equal to or less than the indicated amount											
Means/Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels												
													These values were determined from the incomplete gamma distribution												
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95	
Jan	.45	.34	.93	1972	2	2.00	1972	.00	1983	4.6	1.6	@	.0	.04	.09	.16	.22	.29	.37	.45	.56	.69	.92	1.14	
Feb	.39	.30	.40+	1988	22	1.11	1988	.00+	1999	4.1	1.5	.0	.0	.00	.06	.13	.20	.26	.32	.40	.49	.61	.80	.98	
Mar	.73	.59	1.02	1977	25	2.07	1977	.06	1997	5.6	2.3	.2	@	.10	.16	.26	.37	.47	.59	.72	.89	1.11	1.48	1.83	
Apr	1.60	1.35	3.40	1963	28	3.89	1976	.16	1981	7.5	4.2	.7	.2	.27	.41	.64	.86	1.08	1.33	1.61	1.95	2.41	3.14	3.85	
May	2.44	2.08	2.18	1978	17	7.86	1978	.17	1998	9.9	5.5	1.6	.4	.51	.74	1.10	1.42	1.75	2.10	2.49	2.97	3.59	4.59	5.54	
Jun	2.13	1.74	3.72	1992	15	5.64	1992	.58	1974	8.3	4.5	1.2	.4	.52	.72	1.03	1.30	1.58	1.87	2.19	2.57	3.08	3.88	4.63	
Jul	1.48	1.54	1.50+	1997	20	4.88	1997	.00	1999	6.7	3.5	1.0	.2	.13	.30	.54	.76	.98	1.22	1.49	1.82	2.27	2.99	3.67	
Aug	.89	.76	1.15	1976	2	2.90	1972	.22	1991	5.3	2.9	.3	@	.18	.26	.39	.51	.63	.76	.90	1.08	1.31	1.68	2.02	
Sep	1.37	1.14	2.10	1982	14	4.90	1986	.07	1975	5.5	3.7	.6	.1	.18	.29	.49	.68	.88	1.10	1.36	1.68	2.11	2.81	3.49	
Oct	1.04	.75	1.55	1993	8	3.58	1971	.04	1984	5.0	3.2	.5	.1	.11	.19	.33	.48	.63	.81	1.01	1.27	1.62	2.21	2.77	
Nov	.49	.45	.86	1973	1	1.27	1986	.00+	1999	3.7	1.6	.3	.0	.00	.00	.18	.28	.37	.45	.54	.64	.78	.97	1.16	
Dec	.48	.35	.91	1982	2	1.87	1989	.00+	1999	4.4	1.8	.2	.0	.00	.01	.07	.14	.21	.31	.42	.57	.79	1.16	1.53	
Ann	13.49	13.51	3.72	Jun 1992	15	7.86	May 1978	.00+	Dec 1999	70.6	36.3	6.6	1.4	9.62	10.37	11.33	12.05	12.70	13.32	13.97	14.68	15.54	16.79	17.87	

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: BUFFALO, WY

COOP ID: 481165

Climate Division: WY 5

NWS Call Sign:

Elevation: 4,670 Feet

Lat: 44° 21N

Lon: 106° 42W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	6.1	4.8	3	2	12.0	1972	2	19.0	1972	14+	1979	2	14	1979	3.6	2.7	.7	.2	.1	12.3	8.0	5.0	1.3
Feb	4.6	4.5	1	1	5.0	1971	7	12.1	1971	6	1990	13	4	1980	3.0	2.0	.3	.1	.0	7.4	3.1	1.1	.0
Mar	4.8	4.0	#	#	7.2	1999	5	12.0	1972	7	1999	5	1	1999	2.9	2.2	.6	.1	.0	1.6	.2	.0	.0
Apr	2.6	.8	#	0	15.0	1976	27	15.0	1976	20	1998	15	3	1998	1.1	.9	.3	.1	.1	.4	.1	.1	.1
May	.7	.0	#	0	9.0	1979	9	9.0	1979	#+	1998	20	#+	1998	.2	.2	.1	@	.0	.0	.0	.0	.0
Jun	.0	.0	#	0	.0	0	0	.0	0	#+	1998	5	#+	1998	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	#	0	.0	0	0	.0	0	#	1998	4	#	1998	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.2	.0	#	0	2.0	1995	20	4.0	1995	2	2000	23	#+	2000	.1	.1	.0	.0	.0	.0	.0	.0	.0
Oct	2.5	1.5	#	#	8.0	1996	26	9.0	1996	8	1996	26	1	1996	1.1	.9	.4	.1	.0	1.3	.6	.1	.0
Nov	5.6	5.9	#	#	12.0	1973	1	15.0	1978	8	1973	1	1+	2000	2.6	2.2	.4	.1	.1	4.4	.9	.2	.0
Dec	9.9	4.3	3	#	11.0	1989	15	33.5	1989	27	1989	16	12	1980	3.1	2.6	.8	.4	.1	9.0	6.2	4.2	2.2
Ann	37.0	25.8	N/A	N/A	15.0	Apr 1976	27	33.5	Dec 1989	27	Dec 1989	16	14	Jan 1979	17.7	13.8	3.6	1.1	.4	36.4	19.1	10.7	3.6

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: BUFFALO, WY

COOP ID: 481165

Climate Division: WY 5

NWS Call Sign:

Elevation: 4,670 Feet

Lat: 44° 21N

Lon: 106° 42W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/24	6/17	6/12	6/07	6/03	5/29	5/25	5/19	5/12
32	6/01	5/27	5/23	5/20	5/17	5/15	5/11	5/08	5/03
28	5/16	5/11	5/08	5/05	5/02	4/29	4/26	4/23	4/18
24	5/07	5/03	4/30	4/27	4/25	4/22	4/19	4/16	4/12
20	4/25	4/20	4/17	4/14	4/11	4/08	4/05	4/01	3/27
16	4/19	4/11	4/06	4/02	3/29	3/25	3/21	3/16	3/09
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/31	9/05	9/08	9/11	9/13	9/16	9/18	9/22	9/26
32	9/10	9/13	9/16	9/18	9/20	9/23	9/25	9/27	10/01
28	9/15	9/20	9/24	9/27	9/30	10/03	10/06	10/10	10/15
24	9/22	9/28	10/02	10/05	10/09	10/12	10/16	10/20	10/25
20	10/03	10/09	10/13	10/16	10/19	10/22	10/26	10/30	11/04
16	10/13	10/18	10/23	10/26	10/29	11/01	11/05	11/09	11/14
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	129	119	113	107	102	96	91	84	75
32	146	139	134	129	125	121	117	112	105
28	174	166	160	155	150	146	141	135	127
24	190	182	176	171	166	162	157	151	143
20	213	206	200	195	191	186	182	176	168
16	244	234	226	220	213	207	201	193	182

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: BUFFALO, WY

COOP ID: 481165

Climate Division: WY 5

NWS Call Sign:

Elevation: 4,670 Feet Lat: 44° 21N

Lon: 106° 42W

Degree Days to Selected Base Temperatures (°F)

Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1390	1107	944	638	379	142	41	53	250	589	1019	1327	7879
60	1235	967	789	490	242	71	13	18	142	434	869	1172	6442
57	1142	883	696	404	171	41	5	8	91	343	779	1079	5642
55	1080	827	634	349	131	27	2	4	64	286	719	1017	5140
50	926	691	481	225	56	8	0	0	20	162	579	862	4010
32	425	267	79	10	0	0	0	0	0	5	174	361	1321

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	57	85	158	362	649	941	1181	1147	765	439	145	57	5986
55	0	0	0	11	67	278	470	437	139	7	0	0	1409
57	0	0	0	6	45	232	411	379	106	3	0	0	1182
60	0	0	0	2	23	171	326	296	66	1	0	0	885
65	0	0	0	0	5	93	199	177	25	0	0	0	499
70	0	0	0	0	1	40	107	91	7	0	0	0	246

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	4	12	66	195	431	707	948	913	563	257	51	7	4	16	82	277	708	1415	2363	3276	3839	4096	4147	4154
45	0	0	24	107	293	560	793	758	419	150	18	2	0	0	24	131	424	984	1777	2535	2954	3104	3122	3124
50	0	0	4	48	171	417	638	603	288	69	0	0	0	0	4	52	223	640	1278	1881	2169	2238	2238	2238
55	0	0	0	16	86	277	484	452	176	23	0	0	0	0	0	16	102	379	863	1315	1491	1514	1514	1514
60	0	0	0	4	32	158	334	301	85	5	0	0	0	0	0	4	36	194	528	829	914	919	919	919
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	4	21	73	151	274	440	604	581	372	200	54	14	4	25	98	249	523	963	1567	2148	2520	2720	2774	2788

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20

1971-2000

Station: BUFFALO BILL DAM, WY

COOP ID: 481175

Climate Division: WY 4

NWS Call Sign:

Elevation: 5,156 Feet Lat: 44° 30N

Lon: 109° 11W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	35.1	18.6	26.9	61	1953	13	37.1	1986	-28	1979	5	9.6	1979	1184	0	.0	.0	3.8	9.2	25.9	4.2
Feb	39.2	22.7	31.0	65+	1958	22	40.2	1991	-36	1989	3	17.2	1989	954	0	.0	.0	5.3	5.9	21.6	2.3
Mar	45.4	28.2	36.8	76	1988	22	43.6	1986	-21	1956	11	32.0	1976	874	0	.0	.0	11.5	2.9	21.0	.5
Apr	52.0	34.5	43.3	79	1962	19	49.7	1987	12+	1999	5	34.6	1975	653	0	.0	.0	19.0	.9	11.9	.0
May	60.2	42.3	51.3	84	1969	27	55.9	1994	19+	1967	4	46.7	1975	427	0	.0	.0	27.8	@	2.2	.0
Jun	68.0	49.0	58.5	93	1970	27	65.8	1988	29+	1998	6	53.4	1982	209	15	.0	.1	29.6	.0	.7	.0
Jul	74.4	55.0	64.7	94	2000	24	70.2	1988	39	1996	8	60.8	1997	79	70	.0	.6	31.0	.0	.0	.0
Aug	75.5	55.6	65.6	96	2001	8	70.0	1994	34	1992	27	60.7	1974	67	83	.0	.4	31.0	.0	.0	.0
Sep	68.1	48.6	58.4	90+	2000	18	64.8	1998	21	1965	18	52.0	1986	231	31	.0	.1	28.7	.1	1.0	.0
Oct	57.7	39.3	48.5	83	2001	1	53.3	1988	7	1991	30	42.8	1984	513	0	.0	.0	25.4	.6	7.5	.0
Nov	43.3	28.6	36.0	72	1999	1	46.6	1999	-18	1955	16	21.9	1985	871	0	.0	.0	10.0	4.0	20.2	1.0
Dec	36.3	21.1	28.7	65	1981	9	36.1	1980	-27	1990	21	13.3	1983	1126	0	.0	.0	4.8	8.8	25.5	2.7
Ann	54.6	37.0	45.8	96	Aug 2001	8	70.2	Jul 1988	-36	Feb 1989	3	9.6	Jan 1979	7188	199	.0	1.2	227.9	32.4	137.5	10.7

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20 1971-2000

Station: BUFFALO BILL DAM, WY

COOP ID: 481175

Climate Division: WY 4

NWS Call Sign:

Elevation: 5,156 Feet Lat: 44° 30N

Lon: 109° 11W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1)										
														Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
Means/Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels											
													These values were determined from the incomplete gamma distribution											
Month	Mean	Median	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	.42	.23	1.27	1975	26	1.86	1975	.02	1983	4.1	1.4	@	@	.03	.05	.10	.16	.23	.30	.39	.51	.67	.95	1.23
Feb	.37	.29	.74	2000	28	1.70	1986	.00+	1992	3.9	1.1	.1	.0	.00	.03	.09	.15	.21	.28	.36	.45	.59	.81	1.03
Mar	.61	.51	.84	1968	18	1.61	1980	.09	1978	5.5	2.1	.1	.0	.12	.17	.26	.34	.43	.52	.62	.74	.91	1.17	1.42
Apr	1.29	.94	3.25	1964	25	4.06	1971	.06	1985	7.1	3.1	.5	.1	.11	.20	.37	.55	.74	.97	1.23	1.57	2.04	2.81	3.58
May	2.17	1.81	2.53	1978	18	9.01	1978	.36	1973	10.0	5.1	1.2	.4	.35	.54	.86	1.15	1.46	1.80	2.18	2.65	3.27	4.28	5.25
Jun	1.66	1.31	2.53	2001	13	6.81	1992	.17	1978	9.4	3.8	.6	.3	.22	.35	.59	.82	1.07	1.34	1.65	2.03	2.55	3.40	4.22
Jul	.96	.86	.95	1951	10	2.51	1997	.05	1979	8.0	3.0	.3	.0	.13	.21	.35	.48	.62	.77	.95	1.17	1.47	1.95	2.42
Aug	.72	.64	1.21	1960	16	2.42	1972	.08	1995	7.6	2.7	@	.0	.16	.23	.33	.43	.52	.63	.74	.87	1.05	1.34	1.61
Sep	1.09	.76	1.59	1961	19	3.07	1991	.07	1979	6.3	3.1	.6	.2	.11	.19	.34	.50	.66	.85	1.06	1.33	1.70	2.32	2.92
Oct	.89	.70	1.08+	1978	25	4.82	1994	.00	1999	4.6	2.2	.4	.1	.04	.12	.25	.38	.52	.68	.87	1.10	1.42	1.95	2.47
Nov	.47	.40	2.02	1948	26	1.17	1973	.01	1999	4.6	1.6	.1	.0	.05	.08	.15	.21	.28	.36	.45	.57	.73	.99	1.24
Dec	.27	.19	.73	1964	23	1.07	1978	.00+	1998	4.0	.9	.0	.0	.00	.02	.06	.10	.15	.20	.26	.34	.44	.62	.79
Ann	10.92	10.88	3.25	Apr 1964	25	9.01	May 1978	.00+	Oct 1999	75.1	30.1	3.9	1.1	6.68	7.46	8.47	9.26	9.98	10.68	11.41	12.22	13.23	14.71	16.01

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: **BUFFALO BILL DAM, WY**

COOP ID: **481175**

Climate Division: **WY 4**

NWS Call Sign:

Elevation: **5,156 Feet**

Lat: **44° 30N**

Lon: **109° 11W**

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	4.4	1.9	2	1	20.0	1975	26	20.0	1975	24	1975	27	7	1979	2.7	1.7	.4	.2	@	6.3	2.6	1.9	.2
Feb	3.2	1.3	1	#	6.0	1971	3	12.0	1994	12	1975	9	9	1975	2.1	1.0	.3	.2	.0	3.7	1.0	.1	.0
Mar	6.4	4.5	#	#	8.0	1980	31	20.3	1977	10	1989	3	2	1980	2.5	1.7	.7	.3	.0	2.6	1.1	.4	.1
Apr	3.1	.0	#	0	14.0	1991	12	26.0	1973	18	1984	27	2	1991	1.2	1.0	.4	.2	@	1.0	.5	.2	.1
May	.0	.0	#	0	1.0	1981	7	1.0	1981	2	1984	1	#+	1984	@	@	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.2	.0	#	0	6.0	1984	23	6.0	1984	#	2000	21	#	2000	@	@	@	@	.0	.0	.0	.0	.0
Oct	.9	.0	#	0	6.0	1989	29	6.0	1989	3	1991	31	#+	1996	.6	.4	.1	@	.0	.1	.0	.0	.0
Nov	3.4	3.1	#	#	9.0	1973	1	12.0	1973	9	1973	1	3	1980	1.8	1.0	.3	.1	.0	1.8	.6	.2	.0
Dec	3.6	3.2	2	#	5.0	1972	3	10.3	1972	18	1984	2	18	1984	2.4	1.3	.3	.1	.0	2.0	.2	.0	.0
Ann	25.2	14.0	N/A	N/A	20.0	Jan 1975	26	26.0	Apr 1973	24	Jan 1975	27	18	Dec 1984	13.3	8.1	2.5	1.1	@	17.5	6.0	2.8	.4

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: BUFFALO BILL DAM, WY

COOP ID: 481175

Climate Division: WY 4

NWS Call Sign:

Elevation: 5,156 Feet

Lat: 44° 30N

Lon: 109° 11W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/17	6/09	6/04	5/30	5/26	5/22	5/17	5/12	5/04
32	6/04	5/27	5/21	5/16	5/12	5/07	5/03	4/27	4/19
28	5/20	5/11	5/04	4/29	4/23	4/18	4/12	4/06	3/28
24	5/06	4/28	4/23	4/18	4/13	4/09	4/04	3/29	3/21
20	4/22	4/14	4/08	4/03	3/29	3/25	3/19	3/13	3/05
16	4/12	4/03	3/27	3/22	3/16	3/11	3/06	2/27	2/18
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/04	9/10	9/14	9/17	9/20	9/23	9/27	10/01	10/06
32	9/18	9/24	9/28	10/02	10/05	10/08	10/12	10/16	10/22
28	9/24	9/30	10/05	10/09	10/13	10/16	10/20	10/25	10/31
24	10/02	10/09	10/15	10/19	10/23	10/27	11/01	11/06	11/13
20	10/18	10/25	10/30	11/03	11/07	11/11	11/15	11/20	11/27
16	10/23	10/30	11/04	11/09	11/13	11/17	11/21	11/26	12/03
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	146	136	129	122	117	111	104	97	87
32	176	165	158	151	145	139	133	125	114
28	209	196	187	179	171	164	156	147	134
24	229	216	207	200	192	185	178	169	156
20	255	244	236	228	222	215	208	200	189
16	274	263	254	247	241	234	227	218	207

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: BUFFALO BILL DAM, WY

COOP ID: 481175

Climate Division: WY 4

NWS Call Sign:

Elevation: 5,156 Feet Lat: 44° 30N

Lon: 109° 11W

Degree Days to Selected Base Temperatures (°F)

Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1184	954	874	653	427	209	79	67	231	513	871	1126	7188
60	1029	814	719	503	281	102	21	17	130	360	721	971	5668
57	936	730	626	417	202	57	8	6	84	273	638	878	4855
55	878	674	564	361	157	35	3	3	59	220	582	817	4353
50	734	544	415	231	71	7	0	0	19	110	446	673	3250
32	293	164	48	9	0	0	0	0	0	2	110	237	863

Cooling Degree Days (1)

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	133	134	197	346	596	796	1014	1039	790	512	229	134	5920
55	5	0	0	8	40	141	304	328	159	17	11	1	1014
57	0	0	0	4	23	103	246	270	124	8	7	0	785
60	0	0	0	0	9	58	167	188	80	2	0	0	504
65	0	0	0	0	0	15	70	83	31	0	0	0	199
70	0	0	0	0	0	2	16	21	9	0	0	0	48

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	18	33	71	166	377	565	792	807	568	309	76	23	18	51	122	288	665	1230	2022	2829	3397	3706	3782	3805
45	1	3	25	80	237	415	637	652	426	190	31	2	1	4	29	109	346	761	1398	2050	2476	2666	2697	2699
50	0	0	2	29	121	275	482	497	293	98	11	0	0	0	2	31	152	427	909	1406	1699	1797	1808	1808
55	0	0	0	4	46	146	329	342	177	41	0	0	0	0	0	4	50	196	525	867	1044	1085	1085	1085
60	0	0	0	0	9	55	181	199	87	9	0	0	0	0	0	0	9	64	245	444	531	540	540	540
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	1	10	39	89	188	298	485	502	329	168	31	2	1	11	50	139	327	625	1110	1612	1941	2109	2140	2142

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20

1971-2000

Station: BURGESS JUNCTION, WY

COOP ID: 481220

Climate Division: WY 5

NWS Call Sign:

Elevation: 8,040 Feet Lat: 44° 47N

Lon: 107° 31W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	25.4	4.6	15.0	55+	1986	15	22.8	1981	-44	1963	11	4.2	1979	1550	0	.0	.0	.2	21.1	30.8	10.8
Feb	28.6	5.9	17.3	55	1963	6	25.5	1992	-45+	1989	3	6.2	1989	1338	0	.0	.0	.3	16.3	28.2	8.5
Mar	33.6	9.9	21.8	54+	1993	24	29.4	1992	-24	1987	29	13.7	1971	1324	0	.0	.0	1.4	12.4	30.6	5.6
Apr	40.1	16.2	28.2	67+	2000	29	34.6	1992	-18	1973	9	20.5	1975	1106	0	.0	.0	6.2	6.6	28.5	2.1
May	49.8	26.1	38.0	73+	1969	28	44.6	1994	-4	1984	1	31.8	1983	839	0	.0	.0	18.7	1.3	20.3	@
Jun	61.4	34.3	47.9	87	1988	21	55.9	1988	5	1978	12	42.6	1998	515	0	.0	.0	26.3	.0	9.1	.0
Jul	69.3	38.7	54.0	86	1966	17	58.5	1989	21+	1972	3	48.6	1992	345	3	.2	3.1	30.8	.0	3.0	.0
Aug	67.9	37.6	52.8	88	1985	7	58.4	2000	20	1978	19	48.6	1978	384	5	.0	.0	30.6	.0	3.1	.0
Sep	57.3	29.9	43.6	80	1978	8	51.5	1998	-5	1985	30	38.0	1985	641	0	.0	.0	23.7	1.0	17.5	@
Oct	45.9	21.6	33.8	72	2001	1	38.0	1992	-22	1991	31	27.4	1984	970	0	.0	.0	13.8	4.1	27.9	.8
Nov	32.8	11.7	22.3	64	1999	16	33.7	1999	-25	1986	10	12.8	1985	1283	0	.0	.0	2.5	13.3	29.3	5.5
Dec	27.1	6.1	16.6	54	1969	1	25.1	1980	-48+	1990	21	2.9	1983	1500	0	.0	.0	.1	19.5	30.8	9.6
Ann	44.9	20.2	32.6	88	Aug 1985	7	58.5	Jul 1989	-48+	Dec 1990	21	2.9	Dec 1983	11795	8	.2	3.1	154.6	95.6	259.1	42.9

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1960-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: BURGESS JUNCTION, WY

COOP ID: 481220

Climate Division: WY 5

NWS Call Sign:

Elevation: 8,040 Feet Lat: 44° 47'N

Lon: 107° 31'W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1)											
														Probability that the monthly/annual precipitation will be equal to or less than the indicated amount											
Means/ Medians(1)		Extremes								Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels											
														These values were determined from the incomplete gamma distribution											
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95	
Jan	1.51	1.45	1.22	1975	19	4.48	1975	.29	1993	10.6	5.8	.4	.1	.45	.59	.80	.99	1.17	1.36	1.57	1.81	2.13	2.63	3.09	
Feb	1.31	1.35	.95	1978	20	2.61	1971	.38	1973	8.9	4.5	.4	.0	.46	.59	.77	.91	1.06	1.20	1.36	1.55	1.79	2.15	2.49	
Mar	2.19	1.96	2.23	1977	30	5.07	1984	.51	1978	11.1	7.3	.8	@	.84	1.04	1.33	1.57	1.80	2.04	2.29	2.58	2.95	3.52	4.04	
Apr	2.76	2.27	2.74	1978	28	6.07	1974	.54	1987	11.3	7.7	1.0	.3	.82	1.09	1.48	1.82	2.15	2.49	2.86	3.31	3.88	4.78	5.61	
May	2.48	1.99	2.12	1975	7	7.68	1981	.13	1998	10.1	6.6	1.1	.3	.53	.76	1.12	1.45	1.78	2.13	2.53	3.01	3.64	4.64	5.59	
Jun	2.34	2.03	2.05	1993	8	6.18	1992	.13	1971	9.5	6.0	1.0	.2	.49	.70	1.05	1.36	1.67	2.01	2.39	2.84	3.45	4.41	5.31	
Jul	1.62	1.26	1.23	1990	21	4.52	1997	.15	1982	6.8	3.8	.7	.1	.24	.37	.61	.83	1.06	1.32	1.62	1.98	2.46	3.26	4.02	
Aug	1.45	1.32	1.87	1976	2	3.86	1976	.12	1975	6.7	3.6	.6	.1	.30	.43	.64	.83	1.03	1.24	1.48	1.76	2.14	2.74	3.31	
Sep	1.95	1.77	2.05	1994	15	4.15	1985	.40+	1979	7.0	4.6	1.1	.1	.65	.84	1.11	1.34	1.56	1.79	2.04	2.33	2.70	3.28	3.81	
Oct	2.07	1.88	1.76	1974	31	5.67	1994	.65	1973	7.8	5.9	1.0	.2	.67	.87	1.16	1.40	1.64	1.89	2.16	2.47	2.88	3.51	4.09	
Nov	1.51	1.38	1.11	1991	14	3.05	1991	.57	1997	9.7	5.2	.4	@	.66	.80	.98	1.14	1.28	1.42	1.58	1.76	1.98	2.32	2.63	
Dec	1.56	1.54	.80	1982	2	3.16	1982	.11	1986	10.5	6.0	.3	.0	.37	.51	.74	.95	1.15	1.36	1.60	1.89	2.26	2.85	3.41	
Ann	22.75	22.60	2.74	Apr 1978	28	7.68	May 1981	.11	Dec 1986	110.0	67.0	8.8	1.4	17.28	18.36	19.73	20.76	21.67	22.54	23.44	24.42	25.61	27.31	28.78	

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1960-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: BURGESS JUNCTION, WY

COOP ID: 481220

Climate Division: WY 5

NWS Call Sign:

Elevation: 8,040 Feet

Lat: 44° 47N

Lon: 107° 31W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	30.5	27.8	30	31	22.0	2000	12	66.0	1994	62	1990	5	46+	1998	10.2	9.3	4.1	1.8	.4	29.1	28.9	27.1	26.1
Feb	23.0	18.5	33	32	23.0	2000	26	46.9	1971	72	1986	23	61	1994	8.2	7.6	3.5	1.6	.2	27.0	27.0	26.7	26.0
Mar	37.6	33.1	34	33	20.0	1987	27	81.3	1996	73+	1996	21	56	1985	10.7	10.1	4.7	2.6	.7	29.4	29.3	28.8	26.3
Apr	35.9	32.0	27	27	30.0	1973	20	87.1	1991	82	1991	17	48	1985	10.0	9.5	4.5	2.4	.6	28.4	28.4	28.3	26.6
May	14.1	8.0	9	7	16.0	1975	7	48.0	1975	71	1984	1	35	1984	5.0	4.7	1.9	.8	.3	14.5	12.6	10.4	7.2
Jun	4.1	2.8	#	#	7.0	1975	9	15.0	1976	15	1972	2	2	1971	1.4	1.2	.6	.3	.0	2.3	1.7	.9	.1
Jul	.1	.0	#	0	2.0	1972	1	2.0	1972	2	1972	3	#+	1997	.1	.1	.0	.0	.0	.1	.0	.0	.0
Aug	.0	.0	#	0	.2	1985	13	.2	1985	#+	1992	24	#+	1992	@	.0	.0	.0	.0	.0	.0	.0	.0
Sep	8.4	7.0	1	#	8.0	1989	9	23.0	1984	15	1984	28	3	1985	2.5	2.3	1.2	.6	.0	2.9	1.6	1.0	.4
Oct	23.9	20.0	3	2	24.0	1996	26	60.0	1971	34	1996	29	9	1994	6.5	6.0	3.5	1.7	.3	13.5	9.2	6.6	2.4
Nov	24.6	22.0	10	9	25.0	1984	26	49.0	1989	38	1992	10	27	1989	9.0	8.4	3.6	1.6	.3	26.3	23.1	19.7	10.7
Dec	31.6	28.9	20	19	20.0	1989	14	80.0	1989	73	1989	17	48	1989	9.9	9.2	4.7	2.1	.5	30.1	29.1	27.1	23.9
Ann	233.8	200.1	N/A	N/A	30.0	Apr 1973	20	87.1	Apr 1991	82	Apr 1991	17	61	Feb 1994	73.5	68.4	32.3	15.5	3.3	203.6	190.9	176.6	149.7

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States No. 20 1971-2000

Station: BURGESS JUNCTION, WY

COOP ID: 481220

Climate Division: WY 5

NWS Call Sign:

Elevation: 8,040 Feet

Lat: 44° 47N

Lon: 107° 31W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/03	7/31	7/29	7/27	7/25	7/23	7/21	7/18	7/15
32	7/29	7/23	7/19	7/16	7/12	7/09	7/05	7/01	6/26
28	7/18	7/11	7/05	6/30	6/26	6/22	6/17	6/12	6/04
24	7/02	6/24	6/18	6/13	6/08	6/04	5/29	5/24	5/15
20	6/06	5/30	5/26	5/22	5/18	5/15	5/11	5/06	4/30
16	5/29	5/23	5/18	5/14	5/10	5/06	5/02	4/27	4/21
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	7/28	7/31	8/03	8/05	8/08	8/10	8/13	8/16	8/20
32	7/31	8/05	8/10	8/14	8/18	8/21	8/25	8/30	9/05
28	8/15	8/21	8/26	8/29	9/02	9/06	9/10	9/14	9/21
24	9/01	9/05	9/08	9/10	9/13	9/15	9/18	9/21	9/25
20	9/06	9/11	9/15	9/18	9/21	9/24	9/27	9/30	10/05
16	9/13	9/19	9/23	9/27	9/30	10/04	10/07	10/11	10/17
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	30	25	20	17	14	10	7	3	0
32	65	55	48	41	36	30	24	16	6
28	94	85	78	73	67	62	56	49	40
24	121	112	106	101	96	91	85	79	71
20	152	143	136	130	125	119	114	107	97
16	172	162	154	148	143	137	131	123	113

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: BURGESS JUNCTION, WY

COOP ID: 481220

Climate Division: WY 5

NWS Call Sign:

Elevation: 8,040 Feet Lat: 44° 47N

Lon: 107° 31W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1550	1338	1324	1106	839	515	345	384	641	970	1283	1500	11795
60	1395	1198	1185	956	684	369	206	245	493	815	1133	1345	10024
57	1302	1114	1092	866	591	287	138	175	406	722	1043	1252	8988
55	1240	1058	1030	806	530	236	102	136	350	660	983	1190	8321
50	1085	918	875	656	382	132	34	61	223	506	833	1035	6740
32	537	422	336	173	39	1	0	0	7	76	318	496	2405

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	11	8	19	57	223	477	681	644	356	130	26	19	2651
55	0	0	0	0	1	22	70	67	9	0	0	0	169
57	0	0	0	0	0	13	44	44	5	0	0	0	106
60	0	0	0	0	0	5	19	21	1	0	0	0	46
65	0	0	0	0	0	0	3	5	0	0	0	0	8
70	0	0	0	0	0	0	0	0	0	0	0	0	0

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	0	16	130	296	531	484	195	52	0	0	0	0	0	16	146	442	973	1457	1652	1704	1704	1704
45	0	0	0	2	59	177	379	338	101	13	0	0	0	0	0	2	61	238	617	955	1056	1069	1069	1069
50	0	0	0	0	21	81	234	196	33	0	0	0	0	0	0	0	21	102	336	532	565	565	565	565
55	0	0	0	0	5	29	120	86	9	0	0	0	0	0	0	0	5	34	154	240	249	249	249	249
60	0	0	0	0	0	1	48	29	0	0	0	0	0	0	0	0	0	1	49	78	78	78	78	78
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	0	16	91	195	359	317	163	53	2	0	0	0	0	16	107	302	661	978	1141	1194	1196	1196

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20

1971-2000

Station: BURRIS, WY

COOP ID: 481284

Climate Division: WY 9

NWS Call Sign:

Elevation: 6,120 Feet Lat: 43° 22N

Lon: 109° 17W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	35.2	9.9	22.6	62+	1989	30	30.9	1994	-38	1980	28	7.7	1979	1317	0	.0	.0	4.0	10.2	29.9	7.0
Feb	39.6	12.4	26.0	66+	1992	28	34.5	1991	-32	1989	3	10.8	1989	1092	0	.0	.0	6.7	5.8	27.2	4.2
Mar	46.6	19.7	33.2	72+	1978	22	40.5	1986	-31	1965	25	28.1	1977	987	0	.0	.0	14.5	2.2	28.8	1.1
Apr	54.5	26.4	40.5	84	1987	28	46.3	1987	-7	1966	20	33.5	1975	736	0	.0	.0	21.0	.5	22.0	.1
May	63.6	35.9	49.8	89	1985	2	55.1	1994	8	1967	4	45.5	1983	473	0	.0	.0	28.7	.0	9.5	.0
Jun	73.5	43.4	58.5	95+	1990	30	65.9	1988	28	1966	12	52.4	1998	222	25	.0	.5	29.8	.0	1.1	.0
Jul	80.3	48.4	64.4	95+	1998	19	68.6	1988	31+	1993	7	57.7	1993	92	71	.0	1.9	31.0	.0	@	.0
Aug	78.7	46.9	62.8	94	2000	2	67.3	1983	27+	1966	21	59.1	1974	111	42	.0	.6	31.0	.0	.1	.0
Sep	68.5	38.0	53.3	88+	2001	5	59.5	1990	7	1965	18	48.9	1985	360	6	.0	.0	28.4	.1	5.6	.0
Oct	58.2	29.3	43.8	84	1976	2	49.1	1988	-5	1971	30	38.9	1984	659	0	.0	.0	25.5	.4	17.9	.1
Nov	42.4	17.8	30.1	72	1980	6	40.5	1999	-21	1975	30	19.6	2000	1048	0	.0	.0	10.2	4.9	26.9	2.5
Dec	35.6	10.7	23.2	64	1999	1	33.4	1980	-45	1990	21	6.7	1983	1297	0	.0	.0	5.0	9.7	29.8	5.9
Ann	56.4	28.2	42.4	95+	1998	19	68.6	1988	-45	1990	21	6.7	1983	8394	144	.0	3.0	235.8	33.8	198.8	20.9

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1951-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20 1971-2000

Station: BURRIS, WY

COOP ID: 481284

Climate Division: WY 9

NWS Call Sign:

Elevation: 6,120 Feet Lat: 43°22N

Lon: 109°17W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount											
		Means/Medians(1)		Extremes						Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution											
Month	Mean	Median	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95	
Jan	.17	.12	.30	1984	14	.65	1980	.00+	2000	1.6	.7	.0	.0	.00	.00	.00	.05	.09	.13	.17	.22	.29	.40	.51	
Feb	.21	.14	.68	1983	14	.97	1987	.00+	1992	1.6	.9	@	.0	.00	.00	.00	.05	.10	.15	.21	.28	.37	.52	.66	
Mar	.53	.47	.68	1994	23	1.41	1981	.00	1972	2.9	2.0	.2	.0	.04	.09	.17	.25	.33	.42	.53	.65	.82	1.10	1.38	
Apr	1.20	1.02	1.43	1999	30	3.83	1971	.00	1985	5.2	3.4	.5	.1	.08	.20	.39	.57	.75	.95	1.19	1.48	1.87	2.50	3.12	
May	1.82	1.82	1.50	1986	7	4.78	1980	.12	1984	7.1	5.2	1.1	.1	.37	.54	.80	1.05	1.30	1.56	1.86	2.22	2.69	3.46	4.18	
Jun	1.18	.92	2.20	1967	1	3.34	1993	.10	1996	4.9	3.1	.8	.1	.12	.20	.36	.53	.71	.91	1.14	1.44	1.85	2.53	3.19	
Jul	1.00	.82	2.08	1977	25	3.02	1973	.08	1988	5.4	3.3	.3	.1	.12	.20	.34	.48	.63	.79	.99	1.23	1.55	2.09	2.61	
Aug	.71	.54	1.73	1971	29	2.23	1976	.02	1996	4.9	2.6	.2	.1	.08	.13	.23	.33	.44	.56	.70	.87	1.11	1.50	1.88	
Sep	1.00	.73	1.55	1973	11	4.70	1973	.00+	1987	3.7	2.5	.6	.3	.00	.00	.17	.33	.50	.70	.94	1.24	1.66	2.36	3.05	
Oct	.67	.51	1.03	1971	1	2.96	1971	.00+	1999	3.0	2.2	.4	@	.00	.00	.11	.23	.35	.49	.65	.85	1.13	1.57	2.01	
Nov	.37	.31	1.13	1978	10	1.33	1978	.00+	1999	2.0	1.2	.1	@	.00	.00	.00	.11	.19	.27	.36	.48	.62	.87	1.10	
Dec	.19	.12	.42	1972	4	.73	1978	.00+	1999	1.7	.7	.0	.0	.00	.00	.03	.06	.09	.13	.17	.23	.31	.45	.58	
Ann	9.05	9.25	2.20	Jun 1967	1	4.78	May 1980	.00+	Jan 2000	44.0	27.8	4.2	.8	5.24	5.92	6.82	7.53	8.18	8.81	9.47	10.22	11.15	12.51	13.72	

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1951-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: BURRIS, WY

COOP ID: 481284

Climate Division: WY 9

NWS Call Sign:

Elevation: 6,120 Feet

Lat: 43° 22N

Lon: 109° 17W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	3.2	3.5	1	#	5.0	1974	8	7.5	1981	7	1980	20	4	1987	1.5	1.4	.4	@	.0	3.4	1.0	.2	.0
Feb	2.9	2.3	1	#	8.0	1997	4	18.0	1997	14	1987	24	9	1987	1.0	1.0	.5	.2	.0	2.7	1.4	.4	.0
Mar	5.7	4.5	1	#	7.0	1988	15	15.0	1998	15	1983	17	6	1983	2.0	1.9	1.0	.3	.0	2.9	1.2	.5	.0
Apr	4.6	2.0	#	#	11.0	1983	4	18.0	1998	15	1999	23	2	1999	1.4	1.4	.9	.4	.1	1.8	1.2	.6	.1
May	1.5	.0	#	0	10.0	1979	9	15.0	1986	11	1983	11	1	1983	.4	.4	.3	.2	.1	.1	.1	@	@
Jun	.2	.0	#	0	4.0	1998	4	4.0	1998	4	1998	4	#+	1998	.1	.1	@	.0	.0	@	@	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	1.3	.0	#	0	14.0	1982	14	18.0	1982	11	1984	24	1+	2000	.2	.2	.2	.1	@	.2	.2	.2	.0
Oct	1.9	.0	#	#	8.0	1971	28	16.0	1971	9	1971	29	1	1980	.4	.4	.2	.1	.0	.5	.3	.1	.0
Nov	3.7	2.0	1	#	8.0	1983	8	15.0	1990	17	1978	10	15	1978	1.4	1.3	.6	.2	.0	2.8	1.2	.6	.0
Dec	3.8	3.0	2	#	7.0	1972	4	12.0	1978	15	1985	9	12	1985	1.6	1.4	.6	.2	.0	4.8	2.7	.9	.0
Ann	28.8	17.3	N/A	N/A	14.0	Sep 1982	14	18.0+	Apr 1998	17	Nov 1978	10	15	Nov 1978	10.0	9.5	4.7	1.7	.2	19.2	9.3	3.5	.1

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: BURRIS, WY

COOP ID: 481284

Climate Division: WY 9

NWS Call Sign:

Elevation: 6,120 Feet

Lat: 43° 22N

Lon: 109° 17W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	7/11	7/05	6/30	6/26	6/23	6/19	6/15	6/10	6/04
32	6/21	6/16	6/12	6/08	6/05	6/02	5/29	5/25	5/20
28	5/28	5/23	5/20	5/17	5/14	5/11	5/09	5/05	4/30
24	5/16	5/12	5/08	5/06	5/03	4/30	4/28	4/24	4/20
20	5/08	5/03	4/29	4/26	4/23	4/20	4/17	4/13	4/08
16	5/02	4/25	4/20	4/15	4/11	4/07	4/02	3/28	3/21
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/14	8/20	8/24	8/27	8/31	9/03	9/07	9/11	9/17
32	8/30	9/04	9/07	9/10	9/13	9/16	9/19	9/22	9/27
28	9/12	9/17	9/20	9/22	9/25	9/27	9/30	10/03	10/07
24	9/20	9/25	9/28	10/01	10/04	10/06	10/09	10/13	10/17
20	9/26	10/02	10/06	10/10	10/14	10/17	10/21	10/25	10/31
16	10/07	10/12	10/16	10/20	10/23	10/26	10/29	11/02	11/08
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	95	86	79	74	68	63	57	51	42
32	122	114	108	104	99	95	90	84	77
28	153	146	141	137	133	129	125	120	113
24	175	168	162	157	153	149	144	138	131
20	200	190	184	178	173	167	162	155	146
16	222	213	206	200	194	188	182	175	166

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: **BURRIS, WY**

COOP ID: **481284**

Climate Division: **WY 9**

NWS Call Sign:

Elevation: **6,120 Feet** Lat: **43° 22N**

Lon: **109° 17W**

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1317	1092	987	736	473	222	92	111	360	659	1048	1297	8394
60	1162	952	832	586	324	120	29	38	229	504	898	1142	6816
57	1069	868	739	497	241	75	12	16	163	412	808	1049	5949
55	1007	812	677	439	191	51	6	8	126	352	748	987	5404
50	852	672	522	301	93	15	0	1	55	214	602	832	4159
32	355	237	95	21	0	0	0	0	0	6	178	339	1231

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	61	69	131	274	550	793	1002	954	637	371	120	64	5026
55	0	0	0	3	29	154	295	249	72	3	0	0	805
57	0	0	0	0	16	118	239	195	50	1	0	0	619
60	0	0	0	0	6	73	163	124	26	0	0	0	392
65	0	0	0	0	0	25	71	42	6	0	0	0	144
70	0	0	0	0	0	6	18	7	0	0	0	0	31

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	3	13	44	132	339	576	778	739	452	221	42	8	3	16	60	192	531	1107	1885	2624	3076	3297	3339	3347
45	0	0	13	60	211	429	623	584	316	116	17	0	0	0	13	73	284	713	1336	1920	2236	2352	2369	2369
50	0	0	0	22	108	287	468	429	190	50	1	0	0	0	0	22	130	417	885	1314	1504	1554	1555	1555
55	0	0	0	2	41	161	316	276	92	13	0	0	0	0	0	2	43	204	520	796	888	901	901	901
60	0	0	0	0	5	71	176	134	27	0	0	0	0	0	0	0	5	76	252	386	413	413	413	413
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	3	21	50	124	239	376	504	484	316	180	36	9	3	24	74	198	437	813	1317	1801	2117	2297	2333	2342

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20

1971-2000

Station: CARPENTER, WY

COOP ID: 481547

Climate Division: WY 8

NWS Call Sign:

Elevation: 5,390 Feet Lat: 41°03N

Lon: 104°22W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	38.7	13.3	26.0	70	1982	26	32.2+	1990	-29	1984	18	14.4	1979	1208	0	.0	.0	7.3	7.6	29.9	5.1
Feb	43.2	17.2	30.2	76	1962	11	37.4	1991	-28	1982	5	20.0	1989	975	0	.0	.0	10.3	5.0	27.2	2.6
Mar	49.7	22.7	36.2	78+	1997	20	43.0	1986	-16+	1960	3	31.6	1975	893	0	.0	.0	17.8	2.6	27.7	.7
Apr	58.6	29.8	44.2	88	1992	30	49.6	1992	-9	1975	2	36.7	1983	625	0	.0	.0	23.9	.6	19.3	.1
May	68.4	39.3	53.9	94	1954	20	59.0	1994	18	1978	7	48.5	1995	353	7	.0	.3	29.6	.0	4.9	.0
Jun	79.1	48.2	63.7	103	1954	23	69.4	1988	28+	1969	2	58.1	1982	109	68	.1	4.3	29.9	.0	.1	.0
Jul	85.6	54.0	69.8	104	1964	19	73.2	2000	34	1952	8	66.0	1992	14	162	.6	11.8	31.0	.0	.0	.0
Aug	83.9	52.5	68.2	103	1979	4	72.6	1995	35	1956	31	64.8	1974	32	132	.1	8.1	31.0	.0	.0	.0
Sep	75.4	43.7	59.6	98	1977	6	65.7	1998	15+	1985	30	54.4	1985	193	29	.0	2.4	29.2	.0	2.6	.0
Oct	63.5	32.7	48.1	88+	1967	3	51.3	1988	-6	1991	31	43.3	1984	524	0	.0	.0	27.5	.4	14.6	.1
Nov	47.5	21.2	34.4	76+	1999	15	44.4	1999	-14+	1993	25	23.9	1985	919	0	.0	.0	14.3	3.9	27.1	1.1
Dec	40.3	14.4	27.4	70	1980	17	35.8	1980	-31	1990	22	12.3	1983	1167	0	.0	.0	8.5	6.6	29.5	4.1
Ann	61.2	32.4	46.8	104	Jul 1964	19	73.2	Jul 2000	-31	Dec 1990	22	12.3	Dec 1983	7012	398	.8	26.9	260.3	26.7	182.9	13.8

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20 1971-2000

Station: CARPENTER, WY

COOP ID: 481547

Climate Division: WY 8

NWS Call Sign:

Elevation: 5,390 Feet Lat: 41°03N

Lon: 104°22W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
		Means/Medians(1)		Extremes						Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Median	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	.31	.25	1.00	1949	4	1.33	1980	.00	1983	3.5	1.0	@	.0	.03	.07	.12	.17	.21	.26	.32	.38	.47	.61	.74
Feb	.22	.19	.44	1980	7	.68+	1993	.00+	1992	3.4	.9	.0	.0	.00	.00	.02	.06	.10	.15	.21	.28	.38	.55	.72
Mar	.90	.69	1.20+	1990	6	2.83	1990	.05	1985	5.3	2.4	.4	.1	.11	.17	.30	.43	.56	.71	.88	1.09	1.39	1.86	2.33
Apr	1.28	1.06	1.45	1999	30	3.94	1999	.18	1992	7.0	3.8	.5	.1	.26	.38	.56	.74	.91	1.09	1.30	1.56	1.89	2.42	2.93
May	2.38	2.29	1.78	1975	28	5.37	1981	.19	1974	10.7	6.0	1.3	.3	.61	.84	1.18	1.49	1.79	2.11	2.46	2.88	3.43	4.29	5.10
Jun	2.37	1.93	2.51	1974	8	5.91	1995	.62	2000	9.5	5.7	1.4	.3	.55	.77	1.12	1.43	1.74	2.07	2.44	2.87	3.45	4.36	5.22
Jul	2.49	1.89	5.50	1985	19	7.61	1985	.44	1988	8.9	5.1	1.4	.4	.48	.70	1.07	1.40	1.74	2.11	2.53	3.03	3.69	4.76	5.77
Aug	1.54	1.30	2.02	1955	5	4.92	1999	.17	1985	7.9	3.9	.7	.1	.23	.36	.58	.79	1.02	1.26	1.54	1.88	2.34	3.10	3.82
Sep	1.44	1.35	2.52	1966	2	3.50	1973	.09	1978	6.9	3.7	.8	.1	.25	.37	.58	.78	.98	1.20	1.45	1.75	2.16	2.81	3.44
Oct	.69	.46	1.50	1951	5	2.20	1993	.06	1977	4.4	2.1	.3	@	.09	.15	.25	.34	.44	.55	.68	.84	1.05	1.40	1.73
Nov	.47	.42	.80	1993	12	1.31	1979	.00+	1981	3.5	1.6	.1	.0	.00	.04	.12	.19	.27	.36	.46	.58	.75	1.03	1.30
Dec	.32	.29	.74	1985	9	1.03	1985	.00+	1996	2.8	1.2	.1	.0	.00	.00	.05	.13	.19	.26	.33	.42	.53	.71	.90
Ann	14.41	14.13	5.50	Jul 1985	19	7.61	Jul 1985	.00+	Dec 1996	73.8	37.4	7.0	1.4	9.35	10.29	11.52	12.46	13.31	14.14	15.00	15.96	17.13	18.85	20.35

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: CARPENTER, WY

COOP ID: 481547

Climate Division: WY 8

NWS Call Sign:

Elevation: 5,390 Feet

Lat: 41°03N

Lon: 104°22W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	5.4	4.5	1	1	12.0	1980	25	24.7	1980	17	1980	28	6	1980	3.1	1.9	.5	.2	@	6.1	3.4	1.1	.3
Feb	2.8	1.3	1	#	6.0	1980	7	11.2	1990	10	1980	7	6	1980	2.8	1.7	.2	@	.0	4.9	2.3	1.0	.1
Mar	7.7	5.1	1	#	11.0	1988	2	23.4	1990	11	1988	2	11	1988	3.7	2.4	1.0	.4	@	3.9	1.6	.7	@
Apr	4.2	3.8	#	#	7.5	1984	2	9.0+	1999	10	1984	3	1	1989	2.0	1.7	.5	.2	.0	1.1	.4	.2	@
May	.6	.0	#	0	4.5	1978	6	6.0	1979	4	1978	6	#+	2000	.3	.2	.1	.0	.0	.1	@	.0	.0
Jun	#	.0	#	0	#	1998	5	#	1998	#	1978	7	#	1978	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	#	0	.0	0	0	.0	0	#	1996	31	#	1996	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	#	0	.0	0	0	.0	0	#	1978	8	#	1978	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.7	.0	#	0	3.5	1985	28	3.5+	1995	4	1985	28	#+	2000	.3	.2	.1	.0	.0	.1	@	.0	.0
Oct	2.1	.9	#	#	6.0	1997	25	11.5	1997	8	1997	25	1	1997	1.2	.7	.3	.1	.0	.7	.3	.1	.0
Nov	4.7	2.8	1	#	8.0	1973	3	15.5	1973	19	1983	29	7	1983	2.6	1.9	.5	.2	.0	3.3	1.5	.9	.0
Dec	4.5	4.6	1	#	19.0	1985	9	19.0	1985	23	1985	13	8	1985	2.8	1.7	.5	.2	@	5.6	2.2	.8	.0
Ann	32.7	23.0	N/A	N/A	19.0	Dec 1985	9	24.7	Jan 1980	23	Dec 1985	13	11	Mar 1988	18.8	12.4	3.7	1.3	@	25.8	11.7	4.8	.4

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: CARPENTER, WY

COOP ID: 481547

Climate Division: WY 8

NWS Call Sign:

Elevation: 5,390 Feet

Lat: 41° 03N

Lon: 104° 22W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/16	6/11	6/07	6/03	5/31	5/28	5/24	5/20	5/15
32	6/03	5/28	5/24	5/21	5/18	5/14	5/11	5/07	5/02
28	5/18	5/14	5/11	5/09	5/07	5/05	5/03	4/30	4/27
24	5/10	5/06	5/02	4/29	4/27	4/24	4/21	4/17	4/13
20	5/04	4/28	4/24	4/21	4/18	4/14	4/11	4/07	4/01
16	4/20	4/14	4/10	4/06	4/03	3/31	3/27	3/23	3/18
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/05	9/09	9/12	9/15	9/17	9/20	9/22	9/25	9/29
32	9/13	9/17	9/20	9/22	9/24	9/26	9/29	10/02	10/06
28	9/19	9/23	9/26	9/28	10/01	10/03	10/05	10/08	10/12
24	9/25	10/01	10/04	10/08	10/11	10/14	10/17	10/21	10/26
20	10/03	10/09	10/13	10/16	10/19	10/23	10/26	10/30	11/05
16	10/07	10/14	10/18	10/22	10/26	10/29	11/02	11/07	11/13
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	131	123	118	113	108	104	99	94	86
32	151	143	138	133	129	125	120	115	107
28	165	158	153	149	146	142	138	133	127
24	187	180	175	170	166	162	158	153	145
20	208	200	194	189	184	179	174	168	160
16	231	222	216	210	205	200	194	188	179

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: CARPENTER, WY

COOP ID: 481547

Climate Division: WY 8

NWS Call Sign:

Elevation: 5,390 Feet Lat: 41°03N

Lon: 104°22W

Degree Days to Selected Base Temperatures (°F)

Base	Heating Degree Days (1)												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
Below 65	1208	975	893	625	353	109	14	32	193	524	919	1167	7012
60	1053	835	738	477	221	43	1	6	95	371	769	1012	5621
57	960	751	645	392	156	21	0	2	54	282	679	919	4861
55	898	695	583	337	119	12	0	1	34	226	619	857	4381
50	743	555	430	214	52	2	0	0	8	113	480	705	3302
32	257	151	52	8	0	0	0	0	0	1	108	239	816

Cooling Degree Days (1)

Base	Cooling Degree Days (1)												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
Above 32	72	100	183	373	677	949	1171	1123	827	500	179	95	6249
55	0	0	0	12	83	271	458	411	171	12	0	0	1418
57	0	0	0	7	58	220	396	350	131	5	0	0	1167
60	0	0	0	2	30	152	304	261	82	1	0	0	832
65	0	0	0	0	7	68	162	132	29	0	0	0	398
70	0	0	0	0	1	20	61	45	7	0	0	0	134

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	11	28	74	200	451	733	950	901	609	300	68	21	11	39	113	313	764	1497	2447	3348	3957	4257	4325	4346
45	1	3	27	104	308	583	795	746	463	179	25	6	1	4	31	135	443	1026	1821	2567	3030	3209	3234	3240
50	0	0	4	46	183	434	640	591	324	89	3	0	0	0	4	50	233	667	1307	1898	2222	2311	2314	2314
55	0	0	0	15	87	294	485	436	204	31	0	0	0	0	0	15	102	396	881	1317	1521	1552	1552	1552
60	0	0	0	0	26	168	334	286	100	5	0	0	0	0	0	0	26	194	528	814	914	919	919	919
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	24	42	91	175	311	465	596	572	405	240	76	34	24	66	157	332	643	1108	1704	2276	2681	2921	2997	3031

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20

1971-2000

Station: CASPER NATRONA CO AP, WY

COOP ID: 481570

Climate Division: WY 8

NWS Call Sign: CPR

Elevation: 5,338 Feet Lat: 42° 54N

Lon: 106° 28W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	32.3	12.2	22.3	60	1971	30	31.0	1981	-40+	1972	14	8.5	1979	1312	0	.0	.0	1.9	13.0	29.3	6.7
Feb	37.0	16.4	26.7	68	1982	21	35.4	1992	-29	1989	3	11.0	1989	1073	0	.0	.0	4.9	8.3	26.0	3.6
Mar	46.9	23.1	35.0	74+	1986	29	42.1	1986	-21	1965	25	29.8	1975	921	0	.0	.0	13.9	3.4	26.4	1.0
Apr	56.1	29.3	42.7	84	1992	30	49.0	1987	-6	1997	12	34.9	1997	661	0	.0	.0	21.3	1.2	19.1	.2
May	66.4	37.9	52.1	92	1984	30	60.3	1994	16	1953	12	48.2	1975	393	3	.0	@	28.7	@	6.3	.0
Jun	78.8	46.6	62.7	102+	1990	30	71.9	1988	28+	1969	13	56.0	1998	118	64	.2	4.7	29.8	.0	.2	.0
Jul	86.8	53.2	70.0	104	1954	12	72.8	1988	30	1972	4	65.0	1972	16	182	.5	13.2	31.0	.0	@	.0
Aug	85.3	51.8	68.6	102	1979	5	74.2	1983	33+	1977	31	62.8	1974	25	152	.1	11.5	31.0	.0	.0	.0
Sep	73.4	41.7	57.6	97	1995	1	64.7	1998	16	1983	20	51.9	1984	233	27	.0	1.8	28.5	.1	3.6	.0
Oct	59.5	31.8	45.7	87+	1993	5	50.0	1992	-3	1971	30	39.7	1984	582	0	.0	.0	24.8	.9	15.0	.1
Nov	42.6	21.3	32.0	72+	1999	7	43.8	1999	-21	1985	23	19.4	1985	975	0	.0	.0	9.9	6.6	25.0	1.8
Dec	33.6	14.0	23.8	63	1995	1	34.0	1980	-41	1990	21	10.6	1983	1262	0	.0	.0	3.0	12.1	28.3	5.0
Ann	58.2	31.6	44.9	104	Jul 1954	12	74.2	Aug 1983	-41	Dec 1990	21	8.5	Jan 1979	7571	428	.8	31.2	228.7	45.6	179.2	18.4

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Climatology of the United States

No. 20 1971-2000

Station: CASPER NATRONA CO AP, WY

COOP ID: 481570

Climate Division: WY 8

NWS Call Sign: CPR

Elevation: 5,338 Feet Lat: 42° 54N

Lon: 106° 28W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
		Means/Medians(1)		Extremes						Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Median	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	.58	.53	.53+	1987	5	1.42	1987	.16	1989	7.6	1.9	.1	.0	.17	.23	.31	.38	.45	.52	.60	.70	.82	1.01	1.18
Feb	.64	.59	.59	1995	14	1.42	1987	.23	1981	7.5	2.1	@	.0	.23	.29	.38	.45	.52	.59	.66	.75	.86	1.04	1.20
Mar	.90	.66	.98	1958	26	2.29	1983	.37	1974	9.4	3.1	.1	.0	.29	.37	.50	.61	.71	.82	.93	1.07	1.25	1.52	1.78
Apr	1.52	1.39	1.82	1974	20	3.92	1974	.08	1992	10.4	4.5	.6	.1	.31	.45	.67	.88	1.08	1.30	1.55	1.85	2.25	2.88	3.48
May	2.38	2.02	2.22	2000	17	6.46	1978	.37	1994	11.4	5.5	1.2	.4	.47	.69	1.04	1.36	1.68	2.03	2.43	2.90	3.53	4.54	5.49
Jun	1.43	1.08	2.15	1986	19	4.15	1982	.10	1980	8.9	3.7	.6	.2	.13	.23	.42	.62	.84	1.09	1.38	1.74	2.25	3.09	3.91
Jul	1.29	1.24	1.78	1983	22	2.66	1994	.09	1991	8.1	3.1	.6	.3	.17	.28	.46	.64	.83	1.04	1.28	1.57	1.97	2.62	3.25
Aug	.73	.63	1.35	1979	19	2.66	1979	.04	1995	6.0	1.9	.3	@	.06	.11	.21	.31	.42	.55	.70	.88	1.14	1.58	2.01
Sep	.98	.71	2.01	1989	20	3.40	1982	.10	1980	6.8	2.6	.5	.1	.08	.14	.27	.41	.56	.73	.94	1.19	1.55	2.15	2.74
Oct	1.14	.86	2.06	1998	16	4.62	1998	.12	1988	7.3	3.1	.4	.1	.15	.24	.40	.56	.73	.91	1.13	1.39	1.75	2.34	2.90
Nov	.82	.75	.99	1994	2	2.72	1983	.08	1997	7.2	2.9	.2	.0	.15	.23	.35	.46	.57	.69	.83	.99	1.21	1.56	1.90
Dec	.62	.47	1.26	1982	24	3.71	1982	.10+	1999	7.7	1.7	.1	.1	.10	.15	.24	.33	.42	.51	.62	.75	.93	1.22	1.49
Ann	13.03	12.48	2.22	May 2000	17	6.46	May 1978	.04	Aug 1995	98.3	36.1	4.7	1.3	8.16	9.05	10.22	11.13	11.94	12.74	13.58	14.51	15.65	17.33	18.80

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: CASPER NATRONA CO AP, WY

COOP ID: 481570

Climate Division: WY 8

NWS Call Sign: CPR

Elevation: 5,338 Feet

Lat: 42° 54N

Lon: 106° 28W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	11.2	10.8	2	2	9.7	1972	12	24.0	1987	12+	1987	8	5	1987	8.0	3.7	.9	.3	.0	18.7	9.0	3.1	.5
Feb	10.3	10.5	1	1	10.2	1995	14	22.7	1987	12	1987	27	5	1989	7.4	3.9	.9	.2	.1	13.0	5.8	1.7	.3
Mar	12.3	9.3	1	1	8.6	1987	20	36.2	1975	10	1988	17	2+	1988	8.7	3.7	1.2	.6	.0	7.3	2.7	1.2	@
Apr	13.3	10.3	#	1	16.5	1973	19	56.3	1973	20	1973	20	2	1973	7.1	3.2	1.6	.6	.1	3.7	1.5	.8	.1
May	4.9	1.7	#	1	13.0	1978	4	24.6	1978	12	1973	1	1+	1975	2.0	1.2	.6	.3	.1	.8	.4	.2	.1
Jun	.1	.0	#	0	2.1	1995	9	2.1	1995	2	1995	9	#	1995	.0	.0	.0	.0	.0	@	.0	.0	.0
Jul	.0	.0	#	0	.0	0	0	.0	0	0	0	0	#	1995	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	2.0	.0	#	0	6.9	1995	20	11.5+	2000	5	1995	20	#	1995	.9	.5	.3	.1	.0	.2	.1	@	.0
Oct	7.1	5.9	#	0	16.0	1998	16	20.2	1998	12+	1971	30	1+	1996	3.8	2.0	.7	.2	.1	2.3	1.0	.4	.1
Nov	11.9	9.7	1	1	12.0	1979	20	37.1	1983	14+	1979	21	4+	1985	6.9	3.4	1.3	.5	.1	9.8	5.8	3.2	.5
Dec	11.7	9.3	1	1	24.3	1982	24	62.8	1982	21	1982	24	9	1982	8.2	3.2	1.0	.4	.1	14.2	6.3	3.6	.5
Ann	84.8	67.5	N/A	N/A	24.3	Dec 1982	24	62.8	Dec 1982	21	Dec 1982	24	9	Dec 1982	53.0	24.8	8.5	3.2	.6	70.0	32.6	14.2	2.1

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: CASPER NATRONA CO AP, WY

COOP ID: 481570

Climate Division: WY 8

NWS Call Sign: CPR

Elevation: 5,338 Feet

Lat: 42° 54N

Lon: 106° 28W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/22	6/17	6/13	6/10	6/07	6/04	6/01	5/28	5/23
32	6/08	6/02	5/29	5/25	5/22	5/18	5/15	5/11	5/05
28	5/18	5/14	5/10	5/07	5/05	5/02	4/29	4/26	4/21
24	5/09	5/04	5/01	4/28	4/25	4/23	4/20	4/16	4/12
20	4/28	4/24	4/20	4/18	4/15	4/13	4/10	4/07	4/02
16	4/22	4/15	4/11	4/07	4/03	3/30	3/26	3/21	3/15
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/31	9/04	9/07	9/10	9/13	9/15	9/18	9/21	9/25
32	9/10	9/13	9/15	9/17	9/19	9/21	9/23	9/25	9/29
28	9/15	9/20	9/23	9/26	9/28	10/01	10/04	10/07	10/12
24	9/26	10/01	10/05	10/08	10/11	10/15	10/18	10/22	10/27
20	10/05	10/10	10/14	10/17	10/20	10/23	10/27	10/31	11/05
16	10/14	10/20	10/24	10/28	10/31	11/03	11/07	11/11	11/16
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	116	110	105	101	97	93	89	84	77
32	138	132	127	123	120	116	112	108	102
28	165	159	154	150	146	142	138	133	127
24	190	183	177	173	168	164	160	154	147
20	211	203	197	192	187	183	178	172	164
16	240	230	222	216	210	205	198	191	181

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: CASPER NATRONA CO AP, WY

COOP ID: 481570

Climate Division: WY 8

NWS Call Sign: CPR

Elevation: 5,338 Feet Lat: 42° 54N

Lon: 106° 28W

Degree Days to Selected Base Temperatures (°F)

Base	Heating Degree Days (1)												
	Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
65	1312	1073	921	661	393	118	16	25	233	582	975	1262	7571
60	1169	932	775	519	264	70	2	15	149	445	841	1122	6303
57	1076	848	682	433	192	40	0	7	99	354	751	1029	5511
55	1014	792	620	377	150	26	0	4	72	295	691	967	5008
50	859	652	467	248	70	7	0	0	26	166	552	813	3860
32	359	231	69	14	0	0	0	0	0	4	157	322	1156

Cooling Degree Days (1)

Base	Cooling Degree Days (1)												
	Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
32	42	74	186	351	635	936	1196	1156	789	459	153	57	6034
55	0	0	1	12	63	265	484	444	171	21	1	0	1462
57	0	0	0	7	42	214	423	383	132	12	0	0	1213
60	0	0	0	2	20	147	332	294	82	4	0	0	881
65	0	0	0	0	3	64	182	152	27	0	0	0	428
70	0	0	0	0	0	17	73	53	6	0	0	0	149

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	19	63	171	402	705	956	917	561	252	59	7	0	19	82	253	655	1360	2316	3233	3794	4046	4105	4112
45	0	1	25	87	264	557	801	762	421	144	21	2	0	1	26	113	377	934	1735	2497	2918	3062	3083	3085
50	0	0	4	39	148	411	647	607	292	66	4	0	0	0	4	43	191	602	1249	1856	2148	2214	2218	2218
55	0	0	0	13	68	272	492	452	180	20	0	0	0	0	0	13	81	353	845	1297	1477	1497	1497	1497
60	0	0	0	0	22	155	340	303	86	1	0	0	0	0	0	0	22	177	517	820	906	907	907	907
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	11	59	144	277	449	602	580	384	198	45	3	0	11	70	214	491	940	1542	2122	2506	2704	2749	2752

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20

1971-2000

Station: CENTENNIAL 1 N, WY

COOP ID: 481610

Climate Division: WY10

NWS Call Sign:

Elevation: 4,160 Feet Lat: 41° 19N

Lon: 106° 08W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	32.3	11.8	22.1	59	1954	7	30.6	1986	-45	1963	12	11.5	1979	1331	0	.0	.0	.7	16.0	30.6	5.3
Feb	35.5	14.0	24.8	60	1960	18	30.3	2000	-31	1985	1	17.7	1989	1128	0	.0	.0	1.4	9.7	27.7	3.9
Mar	41.2	18.0	29.6	65	1987	6	35.1	1986	-19	1956	12	25.8	1973	1098	0	.0	.0	5.9	5.2	30.3	1.5
Apr	49.3	24.2	36.8	73+	1989	23	43.2	1981	-8	1997	13	28.8	1983	847	0	.0	.0	15.7	1.7	25.4	.3
May	59.7	32.5	46.1	78	1988	16	50.9	1994	9	1954	2	41.2	1995	586	0	.0	.0	26.7	@	15.4	.0
Jun	69.8	40.4	55.1	91	1954	23	60.4	1988	21	1951	2	49.3	1998	303	6	.0	@	29.6	.0	3.1	.0
Jul	75.4	46.2	60.8	95	1954	12	64.2	2000	26	1967	30	57.2	1993	144	14	.0	.1	31.0	.0	.1	.0
Aug	74.2	44.6	59.4	90	1958	8	64.0	2000	26	1956	31	57.1	1993	181	7	.0	.0	31.0	.0	.2	.0
Sep	66.5	36.7	51.6	89	1959	7	56.5	1998	6	1985	30	46.6	1971	403	1	.0	.0	28.5	.1	6.1	.0
Oct	55.6	27.9	41.8	77	1957	1	46.1	1988	-6	1993	30	35.2	1984	721	0	.0	.0	23.6	.8	22.4	.2
Nov	40.0	18.0	29.0	72	1983	4	38.4	1999	-20+	1993	25	21.1	2000	1079	0	.0	.0	6.8	7.7	28.2	2.1
Dec	33.5	12.7	23.1	63	1969	3	34.6	1980	-40	1990	21	14.5	1978	1299	0	.0	.0	1.3	13.0	30.3	4.3
Ann	52.8	27.3	40.0	95	1954	12	64.2	2000	-45	1963	12	11.5	1979	9120	28	.0	.1	202.2	54.2	219.8	17.6

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20 1971-2000

Station: CENTENNIAL 1 N, WY

COOP ID: 481610

Climate Division: WY10

NWS Call Sign:

Elevation: 4,160 Feet Lat: 41° 19N

Lon: 106° 08W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1)											
														Probability that the monthly/annual precipitation will be equal to or less than the indicated amount											
Means/Medians(1)		Extremes								Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels											
														These values were determined from the incomplete gamma distribution											
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95	
Jan	1.03	.81	1.51	1999	19	3.08	1999	.18+	1984	8.5	3.2	.2	@	.18	.27	.42	.56	.70	.86	1.04	1.25	1.54	2.00	2.44	
Feb	.75	.54	.92	1994	8	3.54	1994	.17	1982	8.1	2.5	.2	.0	.10	.16	.26	.37	.48	.60	.74	.92	1.15	1.54	1.92	
Mar	.96	.87	1.85	1998	18	3.01	1998	.34	1986	9.8	3.1	.2	@	.34	.43	.56	.67	.78	.89	1.00	1.14	1.32	1.59	1.83	
Apr	1.34	1.17	1.80	1999	22	3.99	1999	.36	1987	10.7	4.5	.4	.1	.43	.56	.75	.91	1.06	1.22	1.39	1.60	1.86	2.27	2.65	
May	1.59	1.51	2.00	1970	22	5.83	1995	.14	1974	11.4	5.0	.6	.1	.37	.51	.75	.95	1.16	1.38	1.63	1.92	2.31	2.93	3.51	
Jun	1.27	1.17	2.01	1965	10	3.02	1986	.09	1977	8.6	3.5	.5	.1	.31	.43	.62	.78	.95	1.12	1.31	1.54	1.84	2.31	2.75	
Jul	1.62	1.40	1.34	1977	24	5.39	1984	.21	1979	10.6	3.9	.8	.1	.27	.41	.65	.87	1.10	1.35	1.63	1.98	2.44	3.19	3.90	
Aug	1.17	1.00	1.02	1981	9	2.84	1979	.32	1975	10.0	4.0	.2	@	.34	.45	.62	.76	.91	1.05	1.22	1.41	1.66	2.05	2.41	
Sep	1.21	1.15	1.89	1965	17	2.96	1997	.09	1983	7.8	3.4	.5	.1	.19	.29	.47	.63	.81	1.00	1.21	1.47	1.83	2.40	2.95	
Oct	.86	.80	.93	1980	16	2.32	1998	.16	1988	4.9	2.1	.3	.0	.16	.24	.37	.49	.60	.73	.88	1.05	1.28	1.66	2.01	
Nov	1.04	.80	1.01	1950	8	2.67	1985	.33	1976	8.4	3.3	.3	.0	.27	.37	.52	.65	.78	.92	1.07	1.25	1.49	1.86	2.21	
Dec	.93	.69	.86	1978	1	2.95	1978	.00	1993	7.1	2.9	.1	.0	.09	.20	.35	.49	.62	.77	.95	1.15	1.43	1.87	2.30	
Ann	13.77	13.30	2.01	Jun 1965	10	5.83	May 1995	.00	Dec 1993	105.9	41.4	4.3	.5	9.63	10.43	11.45	12.23	12.92	13.59	14.28	15.05	15.98	17.34	18.51	

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: CENTENNIAL 1 N, WY

COOP ID: 481610

Climate Division: WY10

NWS Call Sign:

Elevation: 4,160 Feet

Lat: 41° 19N

Lon: 106° 08W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	17.4	14.1	4	3	12.0	1979	4	61.0	1980	22	1980	29	16	1988	8.8	6.5	2.7	.9	.1	21.0	11.9	5.8	2.0
Feb	15.5	11.8	3	2	11.6	1988	10	46.4	1989	24	1988	10	16	1988	7.6	5.1	1.5	.7	.2	18.8	8.3	5.0	2.7
Mar	16.7	16.8	3	2	12.8	1988	31	33.8	1990	18	1988	18	14	1988	8.1	5.4	2.1	.8	.1	13.3	6.2	3.1	.1
Apr	13.0	11.1	1	1	15.0	1999	22	34.5	1983	20	1999	23	6	1983	6.7	4.8	1.9	1.0	.1	6.3	3.4	1.8	.6
May	7.7	5.7	#	#	11.0	1995	8	20.5	1983	6	1983	19	1	1995	3.4	2.6	1.0	.5	.1	1.5	.6	.1	.0
Jun	.6	.0	#	0	8.0	1979	8	8.5	1979	5	1979	8	#+	2000	.3	.2	.1	@	.0	@	@	@	.0
Jul	.0	.0	#	0	.0	0	0	.0	0	#	1994	11	#	1994	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	2.4	.0	#	0	6.0	1978	19	9.5	1978	6	1985	28	1	1985	.9	.8	.5	.1	.0	.5	.3	.1	.0
Oct	8.0	7.0	#	#	13.0	1997	24	21.4	1990	22	1997	25	2	1998	2.9	2.2	1.0	.6	.1	2.5	.9	.6	.1
Nov	18.6	17.0	2	1	12.0	1983	21	45.5	1985	14	1979	20	6	1979	7.5	5.9	2.4	1.0	.1	12.6	6.2	3.2	.6
Dec	19.0	13.9	3	3	17.0	1978	1	61.6	1978	18	1987	24	7	1987	8.0	6.0	2.7	1.0	.2	21.2	12.1	5.7	1.8
Ann	118.9	97.4	N/A	N/A	17.0	Dec 1978	1	61.6	Dec 1978	24	Feb 1988	10	16+	Feb 1988	54.2	39.5	15.9	6.6	1.0	97.7	49.9	25.4	7.9

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: CENTENNIAL 1 N, WY

COOP ID: 481610

Climate Division: WY10

NWS Call Sign:

Elevation: 4,160 Feet

Lat: 41° 19N

Lon: 106° 08W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	7/19	7/13	7/08	7/04	7/01	6/27	6/23	6/19	6/12
32	7/01	6/25	6/21	6/18	6/15	6/12	6/09	6/05	5/30
28	6/18	6/12	6/07	6/03	5/31	5/27	5/23	5/19	5/12
24	5/29	5/24	5/20	5/16	5/13	5/10	5/07	5/03	4/27
20	5/15	5/10	5/06	5/03	4/30	4/27	4/24	4/20	4/15
16	5/06	5/01	4/26	4/23	4/20	4/16	4/13	4/09	4/03
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/12	8/18	8/23	8/26	8/30	9/02	9/06	9/10	9/16
32	8/24	8/30	9/03	9/07	9/11	9/14	9/18	9/23	9/29
28	9/10	9/14	9/18	9/20	9/23	9/25	9/28	10/01	10/06
24	9/17	9/22	9/25	9/28	9/30	10/03	10/06	10/09	10/13
20	9/21	9/27	10/02	10/05	10/09	10/13	10/16	10/21	10/27
16	9/30	10/06	10/10	10/14	10/17	10/21	10/25	10/29	11/04
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	83	75	69	64	59	54	49	43	35
32	115	105	98	93	87	82	76	69	59
28	137	129	123	119	114	110	105	100	92
24	161	154	148	144	139	135	131	125	118
20	188	179	172	167	161	156	150	144	134
16	208	198	191	185	180	175	169	162	152

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: CENTENNIAL 1 N, WY

COOP ID: 481610

Climate Division: WY10

NWS Call Sign:

Elevation: 4,160 Feet Lat: 41° 19N

Lon: 106° 08W

Degree Days to Selected Base Temperatures (°F)

Base	Heating Degree Days (1)												
	Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
65	1331	1128	1098	847	586	303	144	181	403	721	1079	1299	9120
60	1176	988	943	697	431	176	50	69	262	566	929	1144	7431
57	1083	904	850	607	341	116	19	30	188	473	839	1051	6501
55	1021	848	788	547	284	83	9	15	145	412	779	989	5920
50	866	708	633	405	159	28	1	2	63	264	629	834	4592
32	331	220	133	54	2	0	0	0	0	8	175	307	1230

Base	Cooling Degree Days (1)												
	Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
32	23	17	59	197	439	693	893	849	588	311	85	31	4185
55	0	0	0	0	8	87	188	151	43	1	0	0	478
57	0	0	0	0	3	59	136	104	26	0	0	0	328
60	0	0	0	0	1	29	74	50	11	0	0	0	165
65	0	0	0	0	0	6	14	7	1	0	0	0	28
70	0	0	0	0	0	0	0	0	0	0	0	0	0

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	7	60	232	463	663	619	388	146	17	0	0	0	7	67	299	762	1425	2044	2432	2578	2595	2595
45	0	0	0	19	123	323	508	464	251	62	1	0	0	0	0	19	142	465	973	1437	1688	1750	1751	1751
50	0	0	0	1	47	191	354	310	131	16	0	0	0	0	0	1	48	239	593	903	1034	1050	1050	1050
55	0	0	0	0	7	89	201	161	43	0	0	0	0	0	0	0	7	96	297	458	501	501	501	501
60	0	0	0	0	0	23	73	46	9	0	0	0	0	0	0	0	0	23	96	142	151	151	151	151
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	13	63	189	313	418	394	277	135	18	0	0	0	13	76	265	578	996	1390	1667	1802	1820	1820

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20

1971-2000

Station: CHEYENNE MUNICIPAL AP, WY

COOP ID: 481675

Climate Division: WY 8

NWS Call Sign: CYS

Elevation: 6,115 Feet Lat: 41°09N

Lon: 104°48W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	37.1	14.8	25.9	66	1982	26	36.1	1986	-30	1930	17	16.0	1979	1197	0	.0	.0	5.4	9.1	28.8	4.2
Feb	40.5	17.2	28.8	71	1962	11	35.7	1992	-34	1936	8	16.4	1989	1001	0	.0	.0	7.7	6.7	26.2	2.5
Mar	46.4	22.0	34.2	74	1986	28	41.3	1986	-21	1943	2	29.1	1975	939	0	.0	.0	13.7	4.1	26.8	.6
Apr	54.4	28.7	41.6	83	1992	30	48.8	1981	-8	1975	1	34.1	1983	686	0	.0	.0	20.0	1.6	18.4	.1
May	64.4	38.3	51.3	91	2000	29	56.4	1994	13	1917	6	45.3	1995	414	1	.0	@	27.9	@	3.8	.0
Jun	75.4	47.5	61.5	100	1954	23	67.0	1988	25	1951	2	56.7	1982	136	41	.0	1.0	29.7	.0	@	.0
Jul	81.9	53.4	67.7	100	1939	11	72.2	2000	33	1915	4	63.6	1972	29	126	.0	4.9	31.0	.0	.0	.0
Aug	79.8	52.0	65.9	96+	1979	6	70.6	1995	36	1975	25	62.4	1977	42	86	.0	2.0	31.0	.0	.0	.0
Sep	70.3	42.9	56.6	95	1995	1	64.0	1998	8	1985	30	51.6	1985	255	19	.0	.4	28.6	.2	2.1	.0
Oct	58.2	32.5	45.4	83+	1992	1	49.1	1988	-1	1991	31	38.8	1984	593	0	.0	.0	24.4	.8	12.2	.1
Nov	44.5	22.1	33.3	75	1999	15	44.0	1999	-21	1916	13	25.2	1985	936	0	.0	.0	11.9	5.2	24.7	.8
Dec	38.1	16.1	27.1	69	1939	5	37.2	1980	-28+	1990	22	14.1	1983	1160	0	.0	.0	6.5	8.9	28.6	3.2
Ann	57.6	32.3	44.9	100+	Jun 1954	23	72.2	Jul 2000	-34	Feb 1936	8	14.1	Dec 1983	7388	273	.0	8.3	237.8	36.6	171.6	11.5

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1915-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20 1971-2000

Station: CHEYENNE MUNICIPAL AP, WY

COOP ID: 481675

Climate Division: WY 8

NWS Call Sign: CYS

Elevation: 6,115 Feet Lat: 41°09N

Lon: 104°48W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount											
		Means/Medians(1)		Extremes						Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution											
Month	Mean	Median	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95	
Jan	.45	.36	1.32	1949	3	2.71	1980	.02	1983	5.6	1.4	.1	@	.05	.08	.15	.21	.28	.35	.44	.55	.71	.95	1.20	
Feb	.44	.30	1.57	1953	19	1.26	1989	.00	1983	5.9	1.1	.1	.0	.01	.04	.10	.16	.23	.31	.41	.53	.71	1.00	1.29	
Mar	1.05	.94	1.29	1946	14	3.65	1990	.17	1982	9.1	3.1	.4	.0	.18	.27	.42	.57	.72	.88	1.06	1.28	1.58	2.06	2.52	
Apr	1.55	1.30	2.45	1929	24	5.02	1999	.34	1992	10.3	4.0	.6	.2	.27	.41	.64	.85	1.06	1.30	1.56	1.89	2.32	3.01	3.68	
May	2.48	2.33	2.00	1942	2	6.00	1995	.11	1974	12.5	6.0	1.4	.4	.51	.74	1.10	1.43	1.77	2.13	2.53	3.02	3.66	4.69	5.67	
Jun	2.12	1.92	3.06	1926	14	4.58	1995	.07	1980	10.4	5.3	1.3	.3	.42	.61	.92	1.21	1.50	1.81	2.16	2.58	3.14	4.04	4.89	
Jul	2.26	2.13	3.41	1973	19	5.01	1973	.64	1993	11.3	5.4	1.3	.3	.84	1.06	1.36	1.61	1.85	2.10	2.37	2.68	3.07	3.68	4.24	
Aug	1.82	1.67	6.06	1985	1	6.64	1985	.27	1973	11.2	4.7	.7	.1	.48	.65	.91	1.15	1.38	1.62	1.88	2.20	2.61	3.26	3.87	
Sep	1.43	.99	2.69	1973	8	4.52	1973	.01	1992	8.1	3.5	.9	.2	.10	.18	.36	.56	.78	1.03	1.34	1.74	2.29	3.21	4.13	
Oct	.75	.51	1.19	1947	15	1.85	1993	.06	1973	6.6	2.6	.2	.0	.10	.16	.27	.38	.49	.61	.75	.92	1.16	1.54	1.91	
Nov	.64	.44	1.63	1979	20	2.48	1979	.05	1971	6.8	1.7	.2	@	.06	.11	.19	.28	.38	.49	.62	.78	1.00	1.37	1.73	
Dec	.46	.46	1.28	1925	13	1.50	1979	.01	1996	6.1	1.5	.1	@	.05	.08	.15	.21	.28	.36	.45	.56	.72	.97	1.22	
Ann	15.45	15.52	6.06	Aug 1985	1	6.64	Aug 1985	.00	Feb 1983	103.9	40.3	7.3	1.5	10.27	11.25	12.52	13.49	14.36	15.21	16.09	17.07	18.26	20.01	21.53	

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1915-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: CHEYENNE MUNICIPAL AP, WY

COOP ID: 481675

Climate Division: WY 8

NWS Call Sign: CYS

Elevation: 6,115 Feet

Lat: 41°09N

Lon: 104°48W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	7.3	6.2	1	1	12.7	1992	7	35.5	1980	23	1980	28	7	1980	6.1	2.4	.6	.2	.1	12.4	5.9	3.2	.3
Feb	6.9	4.9	1	1	7.5	1995	10	23.3	1995	12	1989	5	4	1980	6.0	2.3	.7	.2	.0	8.4	3.5	2.1	.2
Mar	12.7	11.0	1	1	11.5	1979	18	39.2	1990	19	1990	8	5	1990	8.4	3.7	1.2	.6	.1	8.2	4.3	2.4	.4
Apr	9.1	7.8	#	1	17.3	1984	20	31.8	1984	15	1984	21	2+	1997	6.3	2.4	1.0	.4	.1	4.4	2.1	.9	.2
May	2.5	.9	#	1	11.1	1978	6	18.3	1978	12	1978	7	1	1978	1.5	.7	.2	.1	@	.5	.2	.2	.1
Jun	.0	.0	#	0	.6	1998	5	.7	1998	0	0	0	#	1997	.1	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	1.6	.0	#	0	6.4	2000	24	11.8	2000	8	2000	24	#	2000	.9	.5	.2	.1	.0	.5	.2	.1	.0
Oct	4.1	3.2	#	0	7.9	1990	7	16.8	1990	9	1997	26	1	1997	3.3	1.3	.4	.2	.0	1.5	.7	.4	.0
Nov	8.4	5.5	1	0	19.8	1979	20	31.1	1979	26+	1979	23	8	1979	6.3	2.5	.7	.3	.1	8.1	3.0	1.4	.6
Dec	7.3	6.6	1	1	11.6	1979	27	16.1	1987	17	1979	1	4+	1992	6.3	2.3	.6	.2	@	11.8	4.6	2.4	.4
Ann	59.9	46.1	N/A	N/A	19.8	Nov 1979	20	39.2	Mar 1990	26+	Nov 1979	23	8	Nov 1979	45.2	18.1	5.6	2.3	.4	55.8	24.5	13.1	2.2

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: CHEYENNE MUNICIPAL AP, WY

COOP ID: 481675

Climate Division: WY 8

NWS Call Sign: CYS

Elevation: 6,115 Feet

Lat: 41° 09N

Lon: 104° 48W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/14	6/09	6/05	6/02	5/30	5/27	5/24	5/20	5/15
32	5/26	5/21	5/17	5/14	5/12	5/09	5/06	5/02	4/27
28	5/14	5/09	5/06	5/03	5/01	4/29	4/26	4/23	4/18
24	5/09	5/04	4/30	4/27	4/24	4/21	4/18	4/14	4/09
20	4/29	4/23	4/19	4/15	4/12	4/08	4/05	4/01	3/26
16	4/20	4/13	4/08	4/04	3/31	3/27	3/23	3/18	3/11
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/08	9/12	9/14	9/16	9/18	9/20	9/23	9/25	9/29
32	9/14	9/18	9/21	9/24	9/26	9/29	10/01	10/04	10/08
28	9/19	9/25	9/29	10/02	10/06	10/09	10/12	10/16	10/22
24	9/23	9/30	10/05	10/09	10/14	10/18	10/22	10/27	11/03
20	10/05	10/11	10/15	10/19	10/22	10/25	10/29	11/02	11/08
16	10/16	10/21	10/24	10/28	10/30	11/02	11/05	11/09	11/14
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	129	123	118	115	111	107	103	99	92
32	158	150	145	141	137	133	128	123	116
28	180	172	166	162	157	152	147	142	134
24	201	191	184	178	172	167	160	153	144
20	220	211	204	198	193	187	181	174	165
16	237	229	223	217	213	208	202	196	188

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: CHEYENNE MUNICIPAL AP, WY

COOP ID: 481675

Climate Division: WY 8

NWS Call Sign: CYS

Elevation: 6,115 Feet Lat: 41°09N

Lon: 104°48W

Degree Days to Selected Base Temperatures (°F)

Base	Heating Degree Days (1)												
	Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
65	1197	1001	939	686	414	136	29	42	255	593	936	1160	7388
60	1056	873	799	553	281	70	5	18	161	453	801	1020	6090
57	963	789	706	467	204	38	1	7	108	362	711	927	5283
55	901	733	644	410	160	23	0	3	79	303	651	865	4772
50	746	593	490	279	75	5	0	0	29	170	508	710	3605
32	259	170	73	21	0	0	0	0	0	2	115	235	875

Cooling Degree Days (1)

Base	Cooling Degree Days (1)												
	Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
32	73	95	180	332	614	896	1125	1080	773	463	172	84	5887
55	0	0	1	8	52	228	413	369	155	19	1	0	1246
57	0	0	0	4	32	180	353	309	116	11	0	0	1005
60	0	0	0	1	13	116	264	222	69	3	0	0	688
65	0	0	0	0	1	41	126	86	19	0	0	0	273
70	0	0	0	0	0	8	38	20	3	0	0	0	69

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	16	26	61	158	382	664	885	841	547	257	67	19	16	42	103	261	643	1307	2192	3033	3580	3837	3904	3923
45	0	0	21	78	245	516	730	686	407	148	27	2	0	0	21	99	344	860	1590	2276	2683	2831	2858	2860
50	0	0	2	33	133	370	575	531	274	67	3	0	0	0	2	35	168	538	1113	1644	1918	1985	1988	1988
55	0	0	0	10	57	233	421	377	161	21	0	0	0	0	0	10	67	300	721	1098	1259	1280	1280	1280
60	0	0	0	0	13	122	273	229	75	2	0	0	0	0	0	0	13	135	408	637	712	714	714	714
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	14	27	56	121	237	407	564	531	345	181	55	18	14	41	97	218	455	862	1426	1957	2302	2483	2538	2556

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20

1971-2000

Station: CHUGWATER, WY

COOP ID: 481730

Climate Division: WY 8

NWS Call Sign:

Elevation: 5,304 Feet Lat: 41° 45N

Lon: 104° 49W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	37.1	13.9	25.5	70	1916	7	34.5	1986	-37	1930	17	12.6	1979	1225	0	.0	.0	6.4	8.6	27.6	4.8
Feb	40.5	16.3	28.4	76	1962	11	36.2	1991	-37	1936	8	15.9	1989	1025	0	.0	.0	8.7	5.5	25.0	3.0
Mar	47.7	21.5	34.6	78+	1943	29	41.1	1986	-29	1943	2	29.7	1980	943	0	.0	.0	16.3	2.6	26.2	.9
Apr	55.8	28.5	42.2	84+	1987	18	48.5	1981	-16	1975	2	35.1	1983	685	0	.0	.0	22.3	.7	19.9	@
May	65.2	37.5	51.4	93	1969	27	57.0	1994	11	1931	20	45.9	1995	424	2	.0	.0	29.4	.0	7.0	.0
Jun	76.5	46.3	61.4	104	1954	23	66.7	1988	21	1924	8	56.4	1982	149	42	@	3.7	29.8	.0	.7	.0
Jul	83.7	51.7	67.7	110	1937	5	72.3	2000	29	1952	8	64.4	1971	28	112	.3	11.3	31.0	.0	.0	.0
Aug	82.3	50.1	66.2	101	1960	4	72.7	2000	28	1939	8	62.6	1974	60	97	.1	7.7	31.0	.0	@	.0
Sep	73.1	39.6	56.4	98+	1998	5	64.4	1998	6	1926	25	51.8	1985	279	20	.0	2.1	29.0	.1	4.8	.0
Oct	61.5	30.0	45.8	89	1922	3	49.8	1977	-16	1917	29	40.6	1984	596	0	.0	.0	26.9	.5	16.9	.2
Nov	45.3	20.4	32.9	77+	1999	1	44.9	1999	-26+	1976	27	24.8	1985	964	0	.0	.0	13.3	4.2	25.2	1.0
Dec	38.7	15.0	26.9	72	1941	3	35.5	1980	-45	1923	31	13.3	1983	1183	0	.0	.0	7.2	7.6	28.0	4.2
Ann	59.0	30.9	45.0	110	Jul 1937	5	72.7	Aug 2000	-45	Dec 1923	31	12.6	Jan 1979	7561	273	.4	24.8	251.3	29.8	181.3	14.1

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1915-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20 1971-2000

Station: CHUGWATER, WY

COOP ID: 481730

Climate Division: WY 8

NWS Call Sign:

Elevation: 5,304 Feet Lat: 41° 45N

Lon: 104° 49W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
		Means/Medians(1)		Extremes						Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Median	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	.59	.51	.90	1921	24	2.60	1980	.01	1989	6.9	2.3	.0	.0	.08	.12	.21	.29	.37	.47	.58	.72	.90	1.20	1.50
Feb	.56	.49	1.12+	1953	19	1.34	1971	.04	1996	6.1	2.0	.1	.0	.09	.13	.21	.29	.37	.46	.56	.68	.85	1.12	1.37
Mar	1.01	.85	2.62	1990	6	4.04	1990	.24	1995	8.2	3.1	.2	@	.21	.30	.45	.59	.72	.87	1.03	1.23	1.50	1.92	2.32
Apr	1.59	1.60	1.97	1964	4	3.47	1984	.21	1992	9.0	4.5	.9	.1	.44	.59	.82	1.02	1.22	1.42	1.64	1.91	2.25	2.80	3.30
May	2.99	2.69	3.58	1923	21	7.46	1995	.17	1984	11.1	6.9	1.6	.5	.51	.77	1.21	1.62	2.04	2.50	3.02	3.65	4.49	5.85	7.15
Jun	2.01	1.98	3.19	1970	12	5.12	1991	.22	1980	8.7	4.9	1.1	.3	.48	.67	.97	1.23	1.49	1.76	2.07	2.43	2.91	3.67	4.39
Jul	1.90	1.29	2.50	1959	18	4.44	1973	.32	1986	8.6	4.9	1.2	.3	.34	.51	.78	1.04	1.31	1.59	1.92	2.31	2.84	3.68	4.49
Aug	1.54	1.42	3.30	1963	4	4.03	1990	.12	1995	8.6	4.0	.7	.2	.26	.39	.61	.83	1.04	1.28	1.55	1.88	2.32	3.04	3.72
Sep	1.26	.83	3.00	1915	3	5.01	1973	.00	1977	6.5	3.1	.6	.1	.08	.20	.39	.58	.78	.99	1.24	1.56	1.98	2.67	3.34
Oct	.91	.68	1.59	1923	24	3.42	1998	.10	1988	5.4	2.8	.4	@	.16	.24	.37	.49	.62	.76	.91	1.10	1.36	1.77	2.16
Nov	.75	.59	1.63	2000	1	2.14	1979	.08	1971	6.0	2.3	.2	.1	.13	.20	.31	.41	.52	.63	.76	.92	1.13	1.47	1.80
Dec	.65	.60	.98+	1936	17	1.49	1987	.03	1991	6.6	2.2	.1	.0	.09	.15	.24	.33	.43	.53	.65	.80	.99	1.32	1.63
Ann	15.76	15.73	3.58	May 1923	21	7.46	May 1995	.00	Sep 1977	91.7	43.0	7.1	1.6	10.61	11.58	12.84	13.81	14.67	15.51	16.38	17.35	18.53	20.24	21.74

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1915-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: CHUGWATER, WY

COOP ID: 481730

Climate Division: WY 8

NWS Call Sign:

Elevation: 5,304 Feet

Lat: 41° 45N

Lon: 104° 49W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	9.6	8.6	3	2	8.0	1992	8	32.5	1980	22+	1988	8	14	1988	6.2	4.6	.9	.2	.0	13.3	7.5	4.5	1.9
Feb	8.5	9.0	2	1	9.2	1990	13	20.2	1993	21	1980	1	7	1980	5.0	3.3	1.0	.3	.0	11.1	6.0	2.8	.2
Mar	10.4	10.0	1	1	22.3	1990	6	28.5	1983	22	1990	6	4	1990	5.8	4.1	1.1	.4	.1	8.0	4.0	1.8	.3
Apr	9.9	9.0	#	#	8.0	1972	26	25.0	1973	11	1972	27	2	1997	4.0	3.2	1.4	.6	.0	3.7	1.9	.7	@
May	3.0	.5	#	0	30.0	1983	17	35.0	1983	16	1983	17	1	1983	.7	.7	.3	.1	.1	.3	.2	.1	.1
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	1.8	.0	#	0	7.0	1974	12	8.4	2000	5	2000	24	#+	2000	.7	.6	.2	.1	.0	.5	.1	@	.0
Oct	4.4	3.8	#	#	14.0	1997	25	19.5	1997	15	1997	26	2	1997	1.9	1.7	.5	.2	.1	2.1	.8	.4	.1
Nov	10.3	7.5	1	1	24.0	1993	13	35.5	1979	31	1979	26	11	1979	5.1	3.6	1.0	.4	.1	9.4	4.1	1.7	.8
Dec	10.7	12.0	2	1	10.0	1975	31	24.0	1987	28	1979	1	8	1992	5.8	3.9	1.1	.4	.1	13.7	7.2	3.8	.9
Ann	68.6	60.4	N/A	N/A	30.0	May 1983	17	35.5	Nov 1979	31	Nov 1979	26	14	Jan 1988	35.2	25.7	7.5	2.7	.5	62.1	31.8	15.8	4.3

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: CHUGWATER, WY

COOP ID: 481730

Climate Division: WY 8

NWS Call Sign:

Elevation: 5,304 Feet

Lat: 41° 45N

Lon: 104° 49W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	7/07	6/29	6/24	6/19	6/15	6/11	6/06	6/01	5/24
32	6/15	6/09	6/05	6/01	5/28	5/25	5/21	5/17	5/11
28	5/26	5/21	5/17	5/14	5/11	5/08	5/05	5/01	4/26
24	5/13	5/08	5/04	5/01	4/28	4/25	4/22	4/18	4/13
20	5/04	4/29	4/26	4/23	4/20	4/17	4/14	4/11	4/06
16	4/23	4/18	4/14	4/11	4/08	4/05	4/01	3/29	3/23
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/16	8/23	8/28	9/01	9/05	9/09	9/13	9/18	9/25
32	9/05	9/09	9/12	9/15	9/18	9/20	9/23	9/26	9/30
28	9/12	9/16	9/19	9/21	9/24	9/26	9/28	10/01	10/05
24	9/18	9/24	9/28	10/01	10/05	10/08	10/12	10/16	10/21
20	9/26	10/03	10/07	10/11	10/15	10/19	10/23	10/28	11/03
16	10/07	10/13	10/17	10/21	10/24	10/27	10/30	11/04	11/09
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	116	104	95	88	81	75	67	59	47
32	135	127	121	116	111	107	102	96	88
28	155	148	143	139	135	130	126	121	114
24	185	176	170	164	159	154	148	142	133
20	202	194	188	182	177	172	167	161	152
16	226	216	210	204	198	193	187	180	170

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: CHUGWATER, WY

COOP ID: 481730

Climate Division: WY 8

NWS Call Sign:

Elevation: 5,304 Feet Lat: 41° 45N

Lon: 104° 49W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1225	1025	943	685	424	149	28	60	279	596	964	1183	7561
60	1070	885	788	535	280	67	3	17	167	441	814	1028	6095
57	977	801	695	449	203	35	1	7	113	350	724	935	5290
55	915	745	633	393	159	21	0	4	83	290	664	873	4780
50	760	605	478	261	74	4	0	0	31	157	523	718	3611
32	283	187	64	15	0	0	0	0	0	2	131	244	926

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	81	87	145	320	601	883	1107	1060	731	429	157	84	5685
55	0	0	0	8	46	214	394	350	124	4	0	0	1140
57	0	0	0	4	29	168	332	292	94	2	0	0	921
60	0	0	0	0	13	109	242	209	58	0	0	0	631
65	0	0	0	0	2	42	112	97	20	0	0	0	273
70	0	0	0	0	0	10	31	28	5	0	0	0	74

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	20	31	81	184	411	692	910	864	564	274	75	25	20	51	132	316	727	1419	2329	3193	3757	4031	4106	4131
45	0	4	32	97	273	542	755	709	418	158	33	5	0	4	36	133	406	948	1703	2412	2830	2988	3021	3026
50	0	0	4	37	155	397	600	554	285	72	9	0	0	0	4	41	196	593	1193	1747	2032	2104	2113	2113
55	0	0	0	10	70	258	446	400	173	25	0	0	0	0	0	10	80	338	784	1184	1357	1382	1382	1382
60	0	0	0	0	19	139	295	252	81	2	0	0	0	0	0	0	19	158	453	705	786	788	788	788
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	13	32	81	165	293	443	570	555	397	237	73	24	13	45	126	291	584	1027	1597	2152	2549	2786	2859	2883

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20

1971-2000

Station: CHURCH BUTTES GAS PLT, WY

COOP ID: 481736

Climate Division: WY 3

NWS Call Sign:

Elevation: 7,075 Feet Lat: 41° 24N

Lon: 110° 05W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	28.5	8.7	18.6	54	1969	6	26.3	1994	-35	1985	31	8.8	1973	1439	0	.0	.0	.3	17.6	30.8	6.3
Feb	32.2	11.5	21.9	58	1977	20	31.6	1995	-35+	1989	8	10.9	1989	1208	0	.0	.0	1.2	12.4	27.8	4.2
Mar	40.3	18.4	29.4	71	1966	28	37.7	1986	-16	1993	2	20.2	1985	1106	0	.0	.0	6.9	5.0	29.2	.8
Apr	50.1	26.5	38.3	80	1989	23	46.3	1992	-2	1985	1	30.4	1984	802	0	.0	.0	17.4	1.2	23.4	@
May	61.4	35.0	48.2	89	1967	24	54.2	1994	14	1982	5	42.6	1978	521	1	.0	.0	27.7	.1	12.1	.0
Jun	73.1	44.0	58.6	97	1988	26	65.7	1988	22	1975	1	52.7	1975	225	32	.0	.6	29.9	.0	1.7	.0
Jul	81.1	51.0	66.1	97	1998	17	71.0	1988	30	1987	19	59.0	1993	71	103	.0	2.2	31.0	.0	@	.0
Aug	79.1	50.0	64.6	98	1981	5	69.1	2000	29	1964	29	60.5	1977	91	77	.0	.8	31.0	.0	.2	.0
Sep	68.6	40.3	54.5	92	1967	5	59.4	1998	5	1965	18	49.1	1989	323	7	.0	.0	29.0	.1	5.1	.0
Oct	55.8	29.9	42.9	82	1974	1	49.3	1999	-9	1972	31	36.4	1984	687	0	.0	.0	23.3	.8	17.4	.0
Nov	38.6	17.6	28.1	66+	1967	18	38.1	1999	-16	1979	29	19.5	2000	1107	0	.0	.0	6.3	7.8	27.9	1.3
Dec	30.8	10.4	20.6	62	1958	7	32.0	1980	-40	1990	21	10.3	1983	1377	0	.0	.0	.7	15.6	30.6	5.2
Ann	53.3	28.6	41.0	98	Aug 1981	5	71.0	Jul 1988	-40	Dec 1990	21	8.8	Jan 1973	8957	220	.0	3.6	204.7	60.6	206.2	17.8

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1891-2001

(3) Derived from 1971-2000 serially complete daily data

Climatology of the United States

No. 20 1971-2000

Station: CHURCH BUTTES GAS PLT, WY

COOP ID: 481736

Climate Division: WY 3

NWS Call Sign:

Elevation: 7,075 Feet Lat: 41°24N

Lon: 110°05W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1)											
														Probability that the monthly/annual precipitation will be equal to or less than the indicated amount											
Means/Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels												
													These values were determined from the incomplete gamma distribution												
Month	Mean	Median	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95	
Jan	.53	.43	1.13	1969	7	1.92	1988	.00	1989	3.9	2.0	.2	@	.03	.09	.17	.25	.33	.42	.53	.66	.83	1.12	1.40	
Feb	.31	.25	.72	1993	21	1.22	1993	.00+	1991	2.7	1.3	.1	.0	.00	.00	.07	.13	.18	.24	.31	.39	.50	.67	.84	
Mar	.63	.50	1.60	1983	4	2.86	1983	.06	1989	3.8	2.1	.2	@	.06	.11	.19	.28	.38	.48	.61	.77	.98	1.34	1.69	
Apr	.90	.55	1.12	1971	19	2.65	1999	.00	1985	5.1	2.8	.4	.1	.01	.05	.15	.27	.41	.58	.79	1.07	1.47	2.16	2.85	
May	1.15	.94	1.20	1981	3	2.99	1980	.00	1994	5.2	2.7	.8	.1	.05	.15	.33	.49	.67	.88	1.11	1.41	1.82	2.49	3.14	
Jun	.71	.31	2.11	1984	3	2.76	1998	.00+	2000	3.6	2.1	.3	.1	.00	.00	.02	.12	.24	.39	.59	.85	1.22	1.87	2.54	
Jul	.59	.34	1.64	1973	20	3.54	1973	.00+	2000	3.7	1.4	.2	.1	.00	.00	.08	.18	.29	.41	.55	.73	.99	1.40	1.81	
Aug	.67	.48	1.65	2000	31	2.22	2000	.00+	1982	4.2	2.0	.3	@	.00	.00	.11	.22	.33	.46	.62	.83	1.10	1.58	2.04	
Sep	.85	.70	1.40+	1986	24	2.49	1986	.00+	1979	3.6	2.3	.5	.1	.00	.00	.14	.27	.42	.59	.79	1.05	1.41	2.01	2.61	
Oct	.68	.39	.88	1991	27	2.13	1971	.00+	1999	3.4	2.1	.4	.0	.00	.00	.08	.18	.29	.43	.60	.82	1.13	1.67	2.21	
Nov	.64	.61	1.14	1983	26	2.52	1983	.00+	1999	4.3	2.3	.2	@	.00	.06	.17	.27	.37	.49	.63	.79	1.02	1.40	1.77	
Dec	.42	.36	1.30	1969	26	1.22	1987	.00	1986	2.6	1.1	.2	.0	.01	.04	.10	.16	.22	.30	.39	.51	.68	.95	1.23	
Ann	8.08	8.06	2.11	Jun 1984	3	3.54	Jul 1973	.00+	Jul 2000	46.1	24.2	3.8	.5	3.35	4.09	5.12	5.97	6.77	7.58	8.45	9.45	10.72	12.66	14.42	

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1891-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: CHURCH BUTTES GAS PLT, WY

COOP ID: 481736

Climate Division: WY 3

NWS Call Sign:

Elevation: 7,075 Feet

Lat: 41°24N

Lon: 110°05W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	6.4	6.0	2	1	8.0	1999	27	14.0	1999	12	1993	10	9	1993	2.6	2.1	1.1	.2	.0	-9.9	-9.9	-9.9	-9.9
Feb	3.6	3.0	1	#	9.0	1989	2	14.5	1989	12	1993	28	11	1993	2.2	1.1	.4	.2	.0	-9.9	-9.9	-9.9	-9.9
Mar	3.1	2.0	1	#	8.6	1988	10	10.0	1973	12+	1993	1	12	1983	2.2	1.4	.2	.1	.0	1.8	.7	.5	.0
Apr	4.1	.8	#	#	12.0	1972	14	19.1	1991	12	1972	14	2	1991	1.5	1.0	.6	.4	.2	1.2	.9	.6	.2
May	.8	.0	#	0	10.0	1988	2	10.0	1988	2+	1999	13	#+	1999	.2	.2	@	@	@	.1	.0	.0	.0
Jun	.0	.0	#	0	.5	1995	9	.5	1995	#	1995	9	#	1995	@	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	#	0	.0	0	0	.0	0	#	1989	13	#	1989	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.4	.0	0	0	6.0	2000	23	6.5	2000	0	0	0	0	0	.2	@	@	@	.0	.0	.0	.0	.0
Oct	1.9	.1	#	0	7.0	1971	28	16.0	1971	12	1971	29	1	1991	1.0	.6	.3	.1	.0	.6	.4	.1	.1
Nov	4.6	3.8	#	#	4.8	1991	28	12.0	2000	5	1996	5	1+	1997	2.4	1.6	.7	.0	.0	2.8	1.4	.0	.0
Dec	6.4	3.7	1	#	10.0	1972	29	15.0+	1999	12	1996	15	5+	1997	1.9	1.2	.7	.3	.1	-9.9	-9.9	-9.9	-9.9
Ann	31.3	19.4	N/A	N/A	12.0	Apr 1972	14	19.1	Apr 1991	12+	Dec 1996	15	12	Mar 1983	14.2	9.2	4.0	1.3	.3	-9.9	-9.9	-9.9	-9.9

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: CHURCH BUTTES GAS PLT, WY

COOP ID: 481736

Climate Division: WY 3

NWS Call Sign:

Elevation: 7,075 Feet

Lat: 41° 24N

Lon: 110° 05W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	7/09	7/03	6/28	6/24	6/20	6/16	6/12	6/07	5/31
32	6/24	6/17	6/12	6/08	6/04	5/31	5/27	5/22	5/15
28	6/07	6/01	5/28	5/24	5/20	5/17	5/13	5/08	5/02
24	5/25	5/19	5/15	5/12	5/09	5/06	5/02	4/28	4/23
20	5/15	5/08	5/03	4/29	4/24	4/20	4/16	4/10	4/03
16	5/02	4/25	4/19	4/15	4/10	4/06	4/01	3/26	3/19
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/24	8/30	9/03	9/07	9/10	9/13	9/17	9/21	9/27
32	9/01	9/06	9/10	9/13	9/16	9/18	9/22	9/25	9/30
28	9/12	9/17	9/21	9/24	9/27	9/30	10/03	10/07	10/12
24	9/19	9/25	9/29	10/02	10/06	10/09	10/13	10/17	10/23
20	9/25	10/01	10/06	10/10	10/14	10/18	10/22	10/27	11/03
16	10/17	10/22	10/26	10/29	11/01	11/04	11/07	11/11	11/16
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	108	99	92	87	81	76	70	64	54
32	129	120	114	108	103	97	92	85	76
28	157	147	140	134	129	123	117	111	101
24	177	167	160	155	149	144	138	132	122
20	204	193	185	178	172	166	159	152	141
16	233	223	216	210	204	198	192	185	174

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: CHURCH BUTTES GAS PLT, WY

COOP ID: 481736

Climate Division: WY 3

NWS Call Sign:

Elevation: 7,075 Feet Lat: 41° 24N

Lon: 110° 05W

Degree Days to Selected Base Temperatures (°F)

Base	Heating Degree Days (1)												
	Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
65	1439	1208	1106	802	521	225	71	91	323	687	1107	1377	8957
60	1284	1068	951	652	372	126	21	30	197	533	957	1222	7413
57	1191	984	858	565	290	81	9	13	136	444	867	1129	6567
55	1129	928	796	509	239	57	4	6	101	386	807	1067	6029
50	974	788	644	373	134	19	0	0	41	254	657	912	4796
32	444	324	193	58	2	0	0	0	0	17	204	393	1635

Cooling Degree Days (1)

Base	Cooling Degree Days (1)												
	Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
32	28	39	110	246	504	798	1055	1009	674	353	87	39	4942
55	0	0	0	7	28	165	345	302	85	8	0	0	940
57	0	0	0	3	17	128	288	247	59	4	0	0	746
60	0	0	0	0	7	83	207	171	31	1	0	0	500
65	0	0	0	0	1	32	103	77	7	0	0	0	220
70	0	0	0	0	0	9	35	22	1	0	0	0	67

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	20	105	299	590	836	795	467	193	19	0	0	0	20	125	424	1014	1850	2645	3112	3305	3324	3324
45	0	0	0	47	176	443	681	640	327	101	3	0	0	0	0	47	223	666	1347	1987	2314	2415	2418	2418
50	0	0	0	14	87	302	526	485	204	40	0	0	0	0	0	14	101	403	929	1414	1618	1658	1658	1658
55	0	0	0	0	30	180	372	331	103	10	0	0	0	0	0	0	30	210	582	913	1016	1026	1026	1026
60	0	0	0	0	2	87	220	181	33	0	0	0	0	0	0	0	2	89	309	490	523	523	523	523
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	17	92	219	382	539	514	312	148	18	0	0	0	17	109	328	710	1249	1763	2075	2223	2241	2241

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20

1971-2000

Station: CLARK 3 NE, WY

COOP ID: 481775

Climate Division: WY 1

NWS Call Sign:

Elevation: 4,090 Feet Lat: 44° 56N

Lon: 109° 08W

Temperature (°F)

Mean (1)			Extremes											Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	34.6	3.9	19.3	67+	1986	19	30.1	1986	-37	1997	13	-.3	1979	1418	0	.0	.0	5.0	11.1	30.4	9.5
Feb	41.7	10.5	26.1	70+	1995	25	37.0	1991	-38	1996	2	11.8	1989	1090	0	.0	.0	9.4	6.0	27.1	5.0
Mar	50.9	19.6	35.3	79	1986	28	44.9	1986	-26	1989	4	26.4	1996	923	0	.0	.0	18.5	1.9	27.9	1.2
Apr	59.3	28.0	43.7	89	1987	29	51.4	1987	1	1997	12	36.5	1975	640	0	.0	.0	24.4	.4	19.9	.0
May	68.7	38.2	53.5	95+	1987	15	59.9	1987	14	1982	5	48.9	1995	364	5	.0	.4	29.7	.0	6.1	.0
Jun	78.4	46.7	62.6	104	1984	29	73.9	1988	27	1979	8	56.1	1998	141	68	.1	4.2	29.9	.0	.4	.0
Jul	85.2	51.8	68.5	105	1985	26	72.7+	1989	36	1972	19	60.3	1993	43	151	.4	10.5	31.0	.0	.0	.0
Aug	84.2	49.6	66.9	102	1995	8	71.2	1971	28	1992	26	61.9	1974	63	122	.1	9.1	31.0	.0	.1	.0
Sep	73.7	39.0	56.4	103	1983	1	63.5	1998	16+	1985	30	51.8	1984	283	23	@	2.1	29.0	.1	5.4	.0
Oct	61.7	27.2	44.5	90	1963	4	48.0	1979	-12	1991	30	39.3	1971	636	0	.0	.0	26.8	.4	20.3	.1
Nov	46.0	15.4	30.7	78+	1999	14	42.0	1999	-30	1975	30	14.0	1985	1029	0	.0	.0	13.3	4.3	27.9	2.5
Dec	36.7	5.4	21.1	67	1999	1	30.1	1979	-44	1990	21	4.4	1983	1362	0	.0	.0	6.2	9.6	30.3	7.8
Ann	60.1	27.9	44.1	105	Jul 1985	26	73.9	Jun 1988	-44	Dec 1990	21	-.3	Jan 1979	7992	369	.6	26.3	254.2	33.8	195.8	26.1

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1961-2001

(3) Derived from 1971-2000 serially complete daily data

Climatology of the United States

No. 20 1971-2000

Station: CLARK 3 NE, WY

COOP ID: 481775

Climate Division: WY 1

NWS Call Sign:

Elevation: 4,090 Feet Lat: 44° 56N

Lon: 109° 08W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1)											
														Probability that the monthly/annual precipitation will be equal to or less than the indicated amount											
Means/Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels												
													These values were determined from the incomplete gamma distribution												
Month	Mean	Median	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95	
Jan	.34	.26	.73	2000	12	1.19	2000	.00+	1986	3.0	1.0	.1	.0	.00	.00	.04	.09	.15	.22	.30	.41	.56	.83	1.09	
Feb	.19	.13	.60	1976	29	.66	1997	.00+	1998	2.3	.9	@	.0	.00	.00	.00	.03	.07	.12	.17	.24	.33	.49	.65	
Mar	.28	.27	.75	1976	1	.90	1976	.00	1999	3.0	1.0	@	.0	.02	.04	.08	.12	.17	.22	.27	.34	.44	.60	.75	
Apr	.54	.41	1.25	1963	27	1.25	1976	.00	1987	5.0	2.1	.1	@	.07	.13	.22	.30	.38	.46	.55	.66	.81	1.04	1.26	
May	1.33	1.21	1.40	1987	25	3.31	1981	.24	1973	8.2	4.2	.6	.1	.36	.49	.68	.85	1.01	1.18	1.37	1.60	1.89	2.35	2.78	
Jun	1.24	1.05	2.20	1969	25	3.23	1992	.16	1990	7.3	3.5	.7	.1	.31	.43	.61	.77	.93	1.09	1.28	1.50	1.79	2.24	2.67	
Jul	1.01	.95	1.45	1987	11	2.99	1993	.00	1988	6.7	3.0	.4	@	.12	.25	.42	.56	.71	.86	1.03	1.24	1.51	1.95	2.36	
Aug	.69	.59	1.75	1986	25	2.52	1986	.00	1975	5.4	2.0	.2	.1	.08	.17	.28	.38	.48	.59	.71	.85	1.04	1.34	1.63	
Sep	.80	.67	1.13	1973	8	2.35	1973	.05	1979	4.8	2.3	.3	.1	.08	.13	.24	.35	.47	.61	.77	.97	1.25	1.71	2.16	
Oct	.61	.42	1.50	1988	16	2.25	1975	.00+	1998	3.7	1.9	.2	@	.00	.07	.18	.27	.37	.48	.61	.76	.97	1.31	1.63	
Nov	.30	.21	.80+	1994	2	1.21	1994	.00	1987	2.8	1.0	.1	.0	.01	.02	.06	.10	.15	.21	.28	.36	.48	.69	.90	
Dec	.19	.17	.80	1967	26	1.09	1996	.00+	1998	2.5	1.0	@	.0	.00	.00	.00	.05	.10	.14	.19	.25	.33	.47	.60	
Ann	7.52	7.25	2.20	Jun 1969	25	3.31	May 1981	.00+	Mar 1999	54.7	23.9	2.7	.4	5.34	5.76	6.30	6.70	7.07	7.42	7.78	8.18	8.66	9.36	9.97	

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1961-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: CLARK 3 NE, WY

COOP ID: 481775

Climate Division: WY 1

NWS Call Sign:

Elevation: 4,090 Feet

Lat: 44° 56N

Lon: 109° 08W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	6.1	4.0	3	2	18.0	1975	26	18.6	1975	29	1979	12	24	1979	2.2	1.5	.7	.4	.1	4.3	2.4	1.7	.7
Feb	1.9	.5	1	#	12.0	1976	29	12.0	1976	18	1979	1	18	1975	1.1	.6	.2	@	@	2.7	.8	.2	.1
Mar	3.3	3.0	#	#	14.0	1976	1	16.0	1976	14	1976	6	4	1976	1.6	1.4	.4	.1	@	2.0	1.0	.7	.3
Apr	2.1	1.5	#	#	6.0	1976	27	10.0	1976	6	1982	4	1	1982	1.1	.9	.3	@	.0	.6	.1	.1	.0
May	.3	.0	#	0	4.0	1983	11	4.0	1983	4	1983	11	#+	1995	.2	.1	@	.0	.0	.1	@	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.5	.0	#	0	4.0	1984	23	7.0	1984	4	1984	23	#+	2000	.2	.1	.1	.0	.0	.2	.1	.0	.0
Oct	1.4	.0	#	0	6.0	1971	18	8.0	1975	6	1971	18	1	1971	.6	.6	.2	.1	.0	.6	.2	.1	.0
Nov	2.1	1.6	1	#	4.0	1971	27	9.0	1983	18	1978	27	11	1978	1.2	.9	.3	.0	.0	1.9	.7	.2	.0
Dec	3.7	2.2	1	#	12.0	1996	25	21.0	1996	18	1996	26	11	1978	2.0	1.5	.3	.1	@	6.6	1.9	.6	.3
Ann	21.4	12.8	N/A	N/A	18.0	Jan 1975	26	21.0	Dec 1996	29	Jan 1979	12	24	Jan 1979	10.2	7.6	2.5	.7	.1	19.0	7.2	3.6	1.4

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States No. 20 1971-2000

Station: CLARK 3 NE, WY

COOP ID: 481775

Climate Division: WY 1

NWS Call Sign:

Elevation: 4,090 Feet

Lat: 44° 56N

Lon: 109° 08W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/28	6/22	6/17	6/13	6/09	6/06	6/02	5/28	5/22
32	6/10	6/04	5/31	5/27	5/24	5/20	5/17	5/12	5/07
28	5/28	5/22	5/18	5/14	5/11	5/07	5/03	4/29	4/23
24	5/12	5/07	5/04	5/01	4/28	4/25	4/22	4/19	4/14
20	5/05	4/29	4/25	4/22	4/19	4/15	4/12	4/08	4/03
16	4/23	4/18	4/14	4/11	4/08	4/05	4/02	3/30	3/25
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/23	8/29	9/02	9/05	9/08	9/11	9/15	9/18	9/24
32	9/03	9/07	9/10	9/12	9/15	9/17	9/20	9/23	9/27
28	9/10	9/15	9/18	9/21	9/24	9/27	9/30	10/04	10/09
24	9/19	9/23	9/27	9/30	10/02	10/05	10/08	10/11	10/16
20	10/01	10/06	10/09	10/12	10/15	10/18	10/21	10/24	10/29
16	10/07	10/13	10/17	10/21	10/24	10/27	10/31	11/04	11/10
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	113	105	99	95	90	85	81	75	67
32	135	128	122	118	113	109	105	99	92
28	160	152	146	141	136	131	126	120	111
24	174	168	164	160	156	153	149	145	139
20	202	194	188	183	179	174	169	163	155
16	218	211	206	202	198	194	190	185	178

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: CLARK 3 NE, WY

COOP ID: 481775

Climate Division: WY 1

NWS Call Sign:

Elevation: 4,090 Feet Lat: 44° 56N

Lon: 109° 08W

Degree Days to Selected Base Temperatures (°F)

Base	Heating Degree Days (1)												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
Below													
65	1418	1090	923	640	364	141	43	63	283	636	1029	1362	7992
60	1263	950	768	491	229	66	11	20	171	481	879	1207	6536
57	1170	866	675	405	161	36	3	8	117	389	790	1114	5734
55	1108	810	613	350	122	23	1	4	87	329	736	1052	5235
50	957	678	467	224	52	5	0	1	34	192	596	900	4106
32	464	260	86	10	0	0	0	0	0	6	204	412	1442

Cooling Degree Days (1)

Base	Cooling Degree Days (1)												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
Above													
32	69	94	187	361	664	916	1131	1082	730	393	165	72	5864
55	0	0	0	11	74	249	419	373	127	3	7	0	1263
57	0	0	0	6	50	203	360	315	97	1	2	0	1034
60	0	0	0	1	25	143	274	234	61	0	0	0	738
65	0	0	0	0	5	68	151	122	23	0	0	0	369
70	0	0	0	0	1	24	67	47	7	0	0	0	146

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	6	18	72	203	449	702	909	869	533	235	47	10	6	24	96	299	748	1450	2359	3228	3761	3996	4043	4053
45	3	3	28	109	307	552	754	714	390	130	16	1	3	6	34	143	450	1002	1756	2470	2860	2990	3006	3007
50	0	0	5	47	182	406	599	560	264	57	2	0	0	0	5	52	234	640	1239	1799	2063	2120	2122	2122
55	0	0	0	15	93	265	446	405	150	15	0	0	0	0	0	15	108	373	819	1224	1374	1389	1389	1389
60	0	0	0	4	35	150	294	257	68	2	0	0	0	0	0	4	39	189	483	740	808	810	810	810
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	13	35	93	189	309	449	570	554	374	220	59	18	13	48	141	330	639	1088	1658	2212	2586	2806	2865	2883

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20

1971-2000

Station: CLEARMONT 5 SW, WY

COOP ID: 481816

Climate Division: WY 5

NWS Call Sign:

Elevation: 3,995 Feet Lat: 44° 35N

Lon: 106° 27W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	29.6	4.0	16.8	62	1966	8	27.8	1983	-46	1997	11	1.8	1979	1495	0	.0	.0	1.2	14.2	30.8	10.6
Feb	36.1	10.4	23.3	68	1995	24	33.7	1992	-37	1996	2	11.1	1989	1168	0	.0	.0	4.2	8.8	28.0	6.3
Mar	46.5	20.4	33.5	77	1960	26	40.8	1986	-28	1965	25	26.9	1996	979	0	.0	.0	13.8	3.4	29.1	1.4
Apr	56.6	28.8	42.7	86	1980	21	48.9	1987	1	1997	12	36.0	1997	669	0	.0	.0	22.4	.8	20.2	.0
May	65.7	37.9	51.8	94+	1969	27	57.0	1994	13	1967	4	47.1	1982	412	3	.0	.1	29.0	.0	7.0	.0
Jun	76.4	47.0	61.7	100	1961	29	71.1	1988	24	1984	2	56.1	1998	156	56	.0	2.6	29.8	.0	.6	.0
Jul	83.6	52.0	67.8	110	1960	19	72.1	2000	32+	1972	4	60.0	1993	52	139	.4	8.6	31.0	.0	.1	.0
Aug	82.3	49.5	65.9	104	1979	5	71.5	1983	30	1985	13	60.0	1980	97	125	.1	7.0	31.0	.0	.1	.0
Sep	70.7	39.3	55.0	98+	1983	1	62.4	1998	6	1984	25	51.0	1984	312	12	.0	1.3	29.0	.0	6.3	.0
Oct	59.3	28.4	43.9	90	1963	4	47.9	1979	-16	1991	30	38.9	1981	657	0	.0	.0	25.0	.7	21.2	@
Nov	42.1	16.0	29.1	83	1999	7	40.9	1999	-32	1959	16	12.3	1985	1079	0	.0	.0	9.4	6.1	28.9	2.5
Dec	31.6	6.0	18.8	67+	1973	1	27.8	1999	-48	1983	24	1.5	1983	1433	0	.0	.0	2.3	13.2	30.8	8.4
Ann	56.7	28.3	42.5	110	Jul 1960	19	72.1	Jul 2000	-48	Dec 1983	24	1.5	Dec 1983	8509	335	.5	19.6	228.1	47.2	203.1	29.2

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1881-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20 1971-2000

Station: CLEARMONT 5 SW, WY

COOP ID: 481816

Climate Division: WY 5

NWS Call Sign:

Elevation: 3,995 Feet Lat: 44° 35N

Lon: 106° 27W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
		Means/Medians(1)		Extremes						Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Median	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	.62	.42	.85	1969	6	2.20	1997	.00	1983	4.5	2.2	.1	.0	.05	.12	.22	.31	.40	.51	.62	.76	.95	1.25	1.55
Feb	.42	.34	.67	1986	23	1.29	1986	.00+	1999	3.1	1.7	.1	.0	.00	.03	.10	.16	.23	.31	.40	.52	.68	.95	1.21
Mar	.83	.82	.95	1970	17	2.28	1977	.00	1997	5.6	2.9	.2	.0	.13	.24	.39	.50	.61	.73	.86	1.01	1.22	1.53	1.83
Apr	1.62	1.52	1.25	1955	3	4.19	1973	.19	1987	8.9	4.6	.8	.1	.28	.43	.66	.89	1.11	1.36	1.64	1.98	2.43	3.16	3.86
May	2.25	1.99	2.18	1978	18	8.03	1978	.10	1998	8.9	5.6	1.3	.3	.44	.64	.97	1.27	1.58	1.91	2.29	2.74	3.35	4.31	5.23
Jun	2.09	2.11	2.72	1962	16	5.43	1993	.63	1996	8.4	5.3	1.0	.3	.57	.77	1.07	1.34	1.59	1.86	2.16	2.52	2.98	3.70	4.37
Jul	1.56	1.21	3.62	1985	30	4.66	1985	.18	1988	5.9	3.5	.7	.3	.20	.32	.54	.76	.99	1.25	1.54	1.91	2.41	3.22	4.01
Aug	1.15	.82	2.54	1980	14	3.68	1980	.00	1975	4.5	2.8	.5	.1	.04	.13	.29	.46	.64	.85	1.10	1.41	1.84	2.57	3.28
Sep	1.38	1.16	1.65	1986	1	4.71	1986	.10	1975	4.9	3.6	.9	.2	.24	.37	.57	.75	.95	1.15	1.39	1.68	2.06	2.68	3.27
Oct	1.18	.95	.97	1998	3	3.73	1994	.03	1984	4.6	3.3	.8	.0	.15	.25	.42	.58	.75	.94	1.16	1.44	1.80	2.41	2.99
Nov	.67	.60	1.60	1881	15	1.66	1991	.00+	1996	3.8	2.3	.2	.0	.00	.16	.30	.40	.50	.60	.71	.83	1.00	1.27	1.51
Dec	.48	.40	.58	2000	23	1.60	1977	.00+	1997	4.1	1.7	@	.0	.00	.00	.11	.19	.28	.37	.47	.60	.78	1.06	1.34
Ann	14.25	13.67	3.62	Jul 1985	30	8.03	May 1978	.00+	Feb 1999	67.2	39.5	6.6	1.3	9.93	10.76	11.82	12.63	13.35	14.05	14.78	15.58	16.55	17.96	19.18

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1881-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: CLEARMONT 5 SW, WY

COOP ID: 481816

Climate Division: WY 5

NWS Call Sign:

Elevation: 3,995 Feet

Lat: 44° 35N

Lon: 106° 27W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	8.0	5.5	4	3	9.5	1972	2	24.4	1994	20+	1979	14	17	1979	3.7	3.1	.7	.3	.0	21.7	14.5	10.0	3.7
Feb	5.6	6.1	3	2	6.7	1987	24	13.0	1978	20	1978	2	17	1979	2.6	2.3	.5	.1	.0	16.3	10.3	7.7	2.8
Mar	7.2	6.9	1	1	9.5	1977	29	29.3	1977	17	1978	4	11	1978	2.9	2.5	.7	.2	.0	8.6	4.3	2.5	.9
Apr	5.9	3.9	1	#	12.1	1984	26	29.7	1984	19	1984	27	4	1997	2.1	1.7	.6	.2	.1	1.8	.9	.4	.2
May	.6	.0	#	0	6.2	1983	12	8.1	1983	8	1984	1	1	1984	.2	.2	.1	@	.0	.2	.1	.1	.0
Jun	#	.0	0	0	#	1973	18	#	1973	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.9	.0	#	0	5.4	1984	23	14.8	1984	5	1984	24	#+	2000	.3	.3	.1	@	.0	.2	.1	@	.0
Oct	2.5	2.1	#	#	8.0	1996	26	10.0	1971	8	1996	26	1+	1996	.9	.8	.4	.1	.0	1.1	.6	.4	.0
Nov	6.7	5.8	1	1	9.3	1986	7	17.8	1986	12	1986	7	4	1986	2.5	2.2	.8	.1	.0	7.3	2.9	1.5	.1
Dec	9.0	7.6	3	2	8.6	1980	1	27.9	1989	21	1989	17	14	1978	3.2	2.8	.8	.3	.0	17.2	11.7	7.0	1.9
Ann	46.4	37.9	N/A	N/A	12.1	Apr 1984	26	29.7	Apr 1984	21	Dec 1989	17	17+	Feb 1979	18.4	15.9	4.7	1.3	.1	74.4	45.4	29.6	9.6

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: CLEARMONT 5 SW, WY

COOP ID: 481816

Climate Division: WY 5

NWS Call Sign:

Elevation: 3,995 Feet

Lat: 44° 35N

Lon: 106° 27W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	7/07	6/30	6/25	6/20	6/16	6/12	6/08	6/02	5/26
32	6/24	6/15	6/09	6/04	5/31	5/26	5/21	5/15	5/06
28	5/26	5/21	5/18	5/16	5/13	5/11	5/08	5/05	5/01
24	5/20	5/14	5/10	5/06	5/03	4/29	4/25	4/21	4/15
20	5/02	4/26	4/23	4/19	4/16	4/13	4/10	4/06	4/01
16	4/24	4/17	4/12	4/08	4/04	4/01	3/27	3/23	3/16
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/19	8/24	8/27	8/31	9/03	9/06	9/09	9/13	9/18
32	8/27	9/02	9/06	9/09	9/12	9/15	9/18	9/22	9/27
28	9/10	9/14	9/17	9/19	9/21	9/24	9/26	9/29	10/03
24	9/16	9/21	9/25	9/28	10/02	10/05	10/08	10/12	10/18
20	9/23	9/30	10/04	10/08	10/12	10/15	10/19	10/24	10/30
16	10/05	10/11	10/16	10/19	10/23	10/26	10/30	11/03	11/09
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	103	94	88	83	78	73	67	61	52
32	132	122	115	109	104	98	92	85	75
28	149	143	138	134	130	127	123	118	112
24	176	168	161	156	151	146	141	135	127
20	203	195	188	183	178	173	167	161	152
16	230	220	212	206	200	195	189	181	171

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: CLEARMONT 5 SW, WY

COOP ID: 481816

Climate Division: WY 5

NWS Call Sign:

Elevation: 3,995 Feet Lat: 44° 35N

Lon: 106° 27W

Degree Days to Selected Base Temperatures (°F)

Base	Heating Degree Days (1)												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
Below													
65	1495	1168	979	669	412	156	52	97	312	657	1079	1433	8509
60	1340	1028	824	520	272	76	14	40	189	502	929	1278	7012
57	1247	944	731	433	198	43	6	21	127	409	839	1185	6183
55	1185	888	669	377	156	28	1	13	93	349	779	1123	5661
50	1030	757	515	247	74	7	0	2	33	211	637	968	4481
32	511	330	95	11	0	0	0	0	0	8	213	463	1631

Cooling Degree Days (1)

Base	Cooling Degree Days (1)												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
Above													
32	39	86	139	332	614	890	1110	1051	690	374	125	53	5503
55	0	0	0	8	57	227	398	350	93	2	0	0	1135
57	0	0	0	4	38	183	341	296	67	1	0	0	930
60	0	0	0	1	18	126	256	222	38	0	0	0	661
65	0	0	0	0	3	56	139	125	12	0	0	0	335
70	0	0	0	0	0	18	60	56	3	0	0	0	137

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	2	43	164	400	665	883	831	481	197	21	0	0	2	45	209	609	1274	2157	2988	3469	3666	3687	3687
45	0	0	9	80	263	516	728	676	343	100	4	0	0	0	9	89	352	868	1596	2272	2615	2715	2719	2719
50	0	0	0	30	143	370	573	521	214	33	0	0	0	0	0	30	173	543	1116	1637	1851	1884	1884	1884
55	0	0	0	10	65	236	419	367	113	8	0	0	0	0	0	10	75	311	730	1097	1210	1218	1218	1218
60	0	0	0	1	17	121	269	223	44	0	0	0	0	0	0	1	18	139	408	631	675	675	675	675
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	11	59	152	280	424	557	531	341	189	38	3	0	11	70	222	502	926	1483	2014	2355	2544	2582	2585

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20

1971-2000

Station: CODY, WY

COOP ID: 481840

Climate Division: WY 4

NWS Call Sign:

Elevation: 5,050 Feet Lat: 44° 31N

Lon: 109° 04W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	34.9	14.5	24.7	68	1953	11	33.9	1981	-40	1930	17	5.5	1979	1250	0	.0	.0	3.8	11.1	28.1	6.4
Feb	40.5	18.9	29.7	75+	1954	8	39.1	1991	-46	1936	8	11.8	1989	989	0	.0	.0	7.0	5.9	25.0	3.4
Mar	48.5	25.7	37.1	79	1953	28	45.2	1986	-23	1920	6	29.2	1996	864	0	.0	.0	15.8	2.6	24.0	.9
Apr	56.7	32.5	44.6	87	1939	29	51.6	1987	-18	1936	2	36.0	1975	613	0	.0	.0	22.4	.7	15.7	.0
May	65.5	40.9	53.2	94	1936	26	58.5	1987	15	1954	1	46.6	1983	373	7	.0	.0	29.0	@	4.3	.0
Jun	75.6	49.0	62.3	103	1919	27	71.5	1988	25	1945	14	55.3	1998	151	70	.0	1.9	29.8	.0	.1	.0
Jul	82.9	54.8	68.9	105+	1951	15	72.8	1988	33	1945	1	60.5	1993	43	162	@	6.8	31.0	.0	.0	.0
Aug	81.4	53.8	67.6	103	1961	5	72.9	1971	29	1945	21	62.3	1980	64	144	@	4.1	30.9	.0	.0	.0
Sep	71.0	44.9	58.0	97	1950	4	65.7	1998	9	1926	25	51.0	1986	247	34	.0	.6	28.7	.1	2.6	.0
Oct	59.5	35.9	47.7	87+	1950	12	52.8	1988	-11	1917	29	43.4	1971	535	0	.0	.0	26.0	.6	11.7	@
Nov	43.9	24.7	34.3	74+	1999	12	46.7	1999	-24	1959	13	18.7	1985	922	0	.0	.0	10.9	4.4	23.3	1.4
Dec	36.5	16.7	26.6	67	1939	10	35.8	1980	-35	1923	31	8.6	1983	1192	0	.0	.0	5.5	9.7	28.0	4.3
Ann	58.1	34.4	46.2	105+	1951	15	72.9	1971	-46	1936	8	5.5	1979	7243	417	.0	13.4	240.8	35.1	162.8	16.4

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1915-2001

(3) Derived from 1971-2000 serially complete daily data

Climatology of the United States

No. 20 1971-2000

Station: **CODY, WY**

COOP ID: 481840

Climate Division: **WY 4**

NWS Call Sign:

Elevation: **5,050 Feet** Lat: **44° 31N**

Lon: **109° 04W**

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1)											
														Probability that the monthly/annual precipitation will be equal to or less than the indicated amount											
Means/Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels												
													These values were determined from the incomplete gamma distribution												
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95	
Jan	.46	.27	1.15	2000	11	1.92	1972	.00+	1988	3.8	1.3	.2	.1	.00	.01	.06	.13	.20	.29	.40	.55	.76	1.12	1.49	
Feb	.27	.16	.83	2000	25	1.18	1978	.00+	1999	3.0	.8	.1	.0	.00	.00	.02	.05	.10	.15	.22	.31	.45	.69	.93	
Mar	.51	.44	.81	1946	21	1.21	1992	.00+	1984	5.8	1.9	.1	.0	.00	.15	.26	.33	.40	.47	.54	.63	.74	.92	1.08	
Apr	1.13	1.05	1.95	1999	29	3.50	1999	.09	1985	7.7	3.3	.4	.1	.18	.28	.44	.60	.76	.94	1.14	1.38	1.71	2.24	2.75	
May	1.96	1.86	1.50+	1978	18	4.73	1978	.08	1976	10.4	5.8	.9	.1	.35	.52	.81	1.08	1.35	1.65	1.98	2.39	2.94	3.81	4.65	
Jun	1.58	1.28	2.40	1992	15	5.76	1992	.10	1978	9.0	4.7	.6	.1	.29	.43	.66	.88	1.10	1.33	1.60	1.92	2.35	3.04	3.70	
Jul	1.21	1.01	2.51	1973	22	3.27	1973	.18	1976	7.7	3.6	.5	@	.17	.27	.44	.61	.78	.98	1.20	1.47	1.84	2.45	3.03	
Aug	.90	.72	1.55	1933	26	2.54	1999	.16	1973	6.9	3.1	.2	.0	.19	.27	.40	.52	.64	.77	.92	1.10	1.33	1.70	2.05	
Sep	1.13	.83	1.10+	1996	17	3.51	1991	.12	1979	6.8	3.4	.5	.1	.16	.26	.42	.58	.74	.92	1.13	1.38	1.73	2.28	2.82	
Oct	.88	.67	1.70	1924	18	3.37	1994	.15	1987	4.7	2.9	.3	.0	.13	.21	.34	.46	.58	.72	.88	1.08	1.34	1.76	2.17	
Nov	.48	.42	1.52	1918	5	1.10	1991	.03	1976	4.0	1.6	.1	.0	.06	.10	.17	.24	.31	.38	.47	.58	.73	.97	1.21	
Dec	.32	.27	.76	1996	25	1.10	1996	.00+	1985	3.2	1.2	@	.0	.00	.03	.08	.13	.19	.24	.31	.40	.51	.70	.88	
Ann	10.83	11.06	2.51	Jul 1973	22	5.76	Jun 1992	.00+	Feb 1999	73.0	33.6	3.9	.5	6.68	7.44	8.44	9.21	9.90	10.58	11.29	12.09	13.06	14.50	15.77	

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1915-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: **CODY, WY**

COOP ID: **481840**

Climate Division: **WY 4**

NWS Call Sign:

Elevation: **5,050 Feet**

Lat: **44° 31N**

Lon: **109° 04W**

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall ≥ Thresholds					Snow Depth ≥ Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	9.9	7.5	2	1	13.0	2000	11	26.3	1972	18	2000	12	9	1978	3.1	2.7	1.3	.6	.1	11.9	5.9	3.8	2.2
Feb	5.2	2.6	1	#	14.0	2000	25	18.0	2000	14	2000	25	3	1979	2.3	1.9	.6	.4	.1	4.4	2.2	1.3	.4
Mar	6.2	6.0	#	#	7.0	1983	18	17.1	1980	10	1980	5	1	1998	3.0	2.6	1.0	.2	.0	3.4	1.3	.3	.1
Apr	5.5	4.8	#	0	6.0	1976	2	28.0	1991	12	1991	13	2	1991	1.6	1.3	.9	.3	.0	1.4	.7	.4	.1
May	.4	.0	#	0	6.0	1995	13	6.0	1995	6	1995	13	#+	1995	.1	.1	.1	@	.0	.1	.1	.1	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.1	.0	#	0	3.0	1995	20	3.0	1995	3	1995	20	#	1995	.1	@	@	.0	.0	.1	.1	.0	.0
Oct	3.8	3.0	#	0	10.0	1992	14	10.5	1990	8	1993	8	1	1993	1.3	1.3	.6	.2	@	1.2	.9	.4	.0
Nov	5.6	5.0	#	#	12.0	1973	1	16.5	1985	8+	1991	18	2	1991	2.1	1.9	.8	.4	@	3.7	1.4	.5	.0
Dec	7.5	5.4	1	#	14.0	1996	25	22.0	1977	14	1996	26	2+	2000	2.8	2.3	1.2	.4	.1	5.3	2.7	1.2	.2
Ann	44.2	34.3	N/A	N/A	14.0+	Feb 2000	25	28.0	Apr 1991	18	Jan 2000	12	9	Jan 1978	16.4	14.1	6.5	2.5	.3	31.5	15.3	8.0	3.0

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: CODY, WY

COOP ID: 481840

Climate Division: WY 4

NWS Call Sign:

Elevation: 5,050 Feet

Lat: 44° 31N

Lon: 109° 04W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/18	6/13	6/09	6/06	6/02	5/30	5/27	5/23	5/18
32	6/01	5/27	5/23	5/20	5/17	5/13	5/10	5/06	5/01
28	5/17	5/12	5/09	5/05	5/02	4/29	4/26	4/22	4/17
24	5/07	5/01	4/27	4/23	4/20	4/16	4/13	4/09	4/03
20	4/23	4/18	4/14	4/11	4/08	4/05	4/02	3/29	3/24
16	4/19	4/12	4/06	4/02	3/28	3/24	3/19	3/14	3/06
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/04	9/07	9/10	9/12	9/15	9/17	9/19	9/22	9/25
32	9/10	9/14	9/17	9/19	9/21	9/24	9/26	9/29	10/03
28	9/17	9/22	9/26	9/29	10/02	10/05	10/08	10/12	10/17
24	9/25	10/01	10/05	10/08	10/12	10/15	10/19	10/23	10/29
20	10/07	10/13	10/17	10/21	10/24	10/27	10/31	11/04	11/09
16	10/17	10/23	10/27	10/30	11/03	11/06	11/09	11/14	11/19
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	120	114	110	107	103	100	96	92	87
32	149	141	136	131	127	123	118	113	106
28	173	166	161	156	152	147	143	138	130
24	201	192	185	180	174	169	163	157	148
20	220	212	207	202	198	194	189	183	176
16	242	234	228	223	219	214	209	204	196

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: CODY, WY

COOP ID: 481840

Climate Division: WY 4

NWS Call Sign:

Elevation: 5,050 Feet Lat: 44° 31N

Lon: 109° 04W

Degree Days to Selected Base Temperatures (°F)

Base	Heating Degree Days (1)												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
Below													
65	1250	989	864	613	373	151	43	64	247	535	922	1192	7243
60	1095	849	709	467	239	75	12	22	145	382	772	1037	5804
57	1002	765	616	383	172	43	4	10	97	293	689	945	5019
55	940	711	554	330	134	28	1	5	71	239	633	886	4532
50	794	581	409	211	61	8	0	1	25	123	495	742	3450
32	323	200	57	10	0	0	0	0	0	2	142	299	1033

Cooling Degree Days (1)

Base	Cooling Degree Days (1)												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
Above													
32	96	135	216	388	657	909	1142	1103	777	490	210	130	6253
55	0	2	1	17	77	247	430	396	158	13	11	5	1357
57	0	0	0	11	53	202	371	338	124	5	8	1	1113
60	0	0	0	4	28	144	286	257	82	2	0	0	803
65	0	0	0	0	7	70	162	144	34	0	0	0	417
70	0	0	0	0	1	26	75	65	11	0	0	0	178

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	13	29	79	199	430	682	907	869	554	287	68	22	13	42	121	320	750	1432	2339	3208	3762	4049	4117	4139
45	1	5	33	107	291	532	752	714	411	173	29	3	1	6	39	146	437	969	1721	2435	2846	3019	3048	3051
50	0	0	10	46	170	384	597	560	282	87	12	0	0	0	10	56	226	610	1207	1767	2049	2136	2148	2148
55	0	0	1	15	81	249	443	408	174	35	0	0	0	0	1	16	97	346	789	1197	1371	1406	1406	1406
60	0	0	0	1	28	135	297	260	85	7	0	0	0	0	0	1	29	164	461	721	806	813	813	813
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	2	19	64	144	264	426	582	559	355	191	47	12	2	21	85	229	493	919	1501	2060	2415	2606	2653	2665

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20

1971-2000

Station: CODY 12 SE, WY

COOP ID: 481850

Climate Division: WY 4

NWS Call Sign:

Elevation: 5,248 Feet Lat: 44° 25N

Lon: 108° 54W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	35.9	9.9	22.9	65	1974	17	33.1	1986	-35	1963	12	8.5	1979	1306	0	.0	.0	3.9	10.3	29.6	8.0
Feb	40.1	14.6	27.4	68	1995	25	37.1	1991	-40	1989	2	9.3	1989	1054	0	.0	.0	6.8	6.3	27.1	4.6
Mar	46.7	22.1	34.4	75	1986	28	42.7	1986	-25	1965	25	26.9	1996	949	0	.0	.0	14.0	3.6	27.3	1.2
Apr	55.4	29.8	42.6	84+	2000	29	51.3	1987	0+	1975	9	32.6	1975	672	0	.0	.0	20.6	1.0	19.0	.1
May	64.5	38.5	51.5	90	1969	28	56.7	1987	10	1967	4	46.9	1995	422	3	.0	.0	28.0	.1	6.4	.0
Jun	75.6	46.6	61.1	98+	1988	25	70.8	1988	29+	1979	8	55.0	1998	172	55	.0	2.4	29.7	.0	.3	.0
Jul	83.7	52.5	68.1	102	1989	4	73.0	1998	30	1978	21	60.0	1993	59	155	.1	7.8	31.0	.0	@	.0
Aug	82.5	50.8	66.7	102	1979	5	73.4	1971	31	1992	25	61.8	1987	82	135	.1	5.7	31.0	.0	@	.0
Sep	71.1	40.2	55.7	97	1983	1	65.3	1998	7+	1984	26	49.3	1986	308	29	.0	.8	28.2	.1	5.1	.0
Oct	58.7	29.8	44.3	88	2001	2	49.7	1988	-5+	1991	31	39.6	1984	644	0	.0	.0	24.0	.9	18.7	.2
Nov	44.2	19.1	31.7	73+	1999	13	44.4	1999	-23	1985	22	14.6	1985	1001	0	.0	.0	10.4	4.8	26.7	3.1
Dec	37.7	10.5	24.1	69	1999	1	32.4	1999	-42	1964	17	5.9	1983	1268	0	.0	.0	5.0	8.7	30.1	6.6
Ann	58.0	30.4	44.2	102+	Jul 1989	4	73.4	Aug 1971	-42	Dec 1964	17	5.9	Dec 1983	7937	377	.2	16.7	232.6	35.8	190.3	23.8

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1949-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20 1971-2000

Station: CODY 12 SE, WY

COOP ID: 481850

Climate Division: WY 4

NWS Call Sign:

Elevation: 5,248 Feet Lat: 44°25N

Lon: 108°54W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
		Means/Medians(1)		Extremes						Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Median	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	.38	.18	.90	1954	29	2.17	1975	.00+	1999	3.8	1.3	.1	.0	.00	.00	.03	.08	.15	.23	.33	.46	.65	.96	1.28
Feb	.24	.18	1.50	1955	3	1.24	1978	.00+	1999	2.5	.8	.0	.0	.00	.00	.00	.04	.09	.14	.21	.29	.41	.62	.82
Mar	.50	.50	1.25	1966	22	1.30	1973	.02+	1979	4.4	2.0	.1	.0	.06	.10	.17	.24	.31	.40	.49	.61	.76	1.02	1.27
Apr	.98	.80	3.40	1958	22	3.14	1999	.00	1982	5.8	2.7	.4	.1	.06	.16	.31	.46	.61	.78	.97	1.21	1.54	2.07	2.59
May	2.03	1.87	2.50	1950	28	6.83	1978	.13	1976	8.5	5.1	1.0	.2	.26	.43	.71	1.00	1.29	1.62	2.01	2.48	3.12	4.17	5.18
Jun	1.75	1.54	2.63	1968	9	5.50	1992	.36+	1990	7.9	4.8	.8	.3	.35	.50	.76	1.00	1.23	1.49	1.78	2.13	2.59	3.32	4.03
Jul	1.07	.79	1.70	1982	24	2.88	1987	.00	1996	5.7	3.0	.4	.1	.06	.16	.32	.48	.64	.83	1.05	1.32	1.69	2.30	2.89
Aug	.82	.74	1.00	1951	4	2.96	1972	.00	2000	5.2	2.9	.3	.0	.12	.23	.37	.48	.59	.71	.85	1.01	1.21	1.54	1.85
Sep	.94	.60	1.27	1996	17	3.00	1995	.00	1987	4.9	2.5	.5	.1	.04	.11	.24	.38	.53	.70	.90	1.15	1.50	2.08	2.65
Oct	.65	.44	1.22	1974	31	2.89	1971	.01	1987	3.5	2.1	.3	@	.04	.08	.16	.24	.34	.46	.60	.78	1.04	1.46	1.89
Nov	.41	.35	.80	1973	1	1.01	1978	.00+	1999	2.9	1.5	.1	.0	.00	.06	.14	.21	.27	.34	.42	.51	.63	.83	1.02
Dec	.30	.20	.66	1978	12	1.64	1978	.00	1986	2.6	1.3	.1	.0	.00	.01	.04	.08	.12	.18	.26	.36	.50	.75	1.01
Ann	10.07	9.87	3.40	Apr 1958	22	6.83	May 1978	.00+	Aug 2000	57.7	30.0	4.1	.8	6.23	6.93	7.85	8.56	9.21	9.84	10.49	11.23	12.13	13.46	14.63

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1949-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: CODY 12 SE, WY

COOP ID: 481850

Climate Division: WY 4

NWS Call Sign:

Elevation: 5,248 Feet

Lat: 44° 25N

Lon: 108° 54W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	3.2	1.0	1	#	10.0	1972	12	13.0	1972	12	1975	26	4	1979	1.1	.9	.6	.2	.1	-9.9	-9.9	-9.9	-9.9
Feb	.8	.0	#	#	3.0	1976	29	3.0	1995	6	1978	28	1	1995	.6	.4	.1	.0	.0	.9	.5	.0	.0
Mar	1.1	#	#	#	6.0	1971	4	8.5	1971	6	1971	6	2	1971	.4	.3	.1	@	.0	.5	.1	.0	.0
Apr	1.1	.0	#	0	8.0	1974	12	8.0	1974	10	1974	13	7	1973	.5	.4	.1	.1	.0	.4	.2	.1	.1
May	.2	.0	0	0	4.0	1975	7	4.0	1975	0	0	0	0	0	.1	.1	@	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.2	.0	#	0	4.0	1995	20	4.0	1995	1	1995	20	#	1995	@	@	@	.0	.0	@	.0	.0	.0
Oct	.2	#	#	0	3.0	1971	18	3.0	1971	3	1971	18	#+	1997	.2	.2	@	.0	.0	.2	.1	.0	.0
Nov	2.1	.6	#	#	8.0	1973	1	8.0	1973	8	1973	1	1	1978	.7	.4	.2	.1	.0	.7	.2	.1	.0
Dec	2.9	1.5	#	#	5.0	1972	4	8.0	1972	10	2000	9	4	1972	.6	.4	.2	.1	.0	.4	.0	.0	.0
Ann	11.8	3.1	N/A	N/A	10.0	Jan 1972	12	13.0	Jan 1972	12	Jan 1975	26	7	Apr 1973	4.2	3.1	1.3	.5	.1	-9.9	-9.9	-9.9	-9.9

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States No. 20 1971-2000

Station: CODY 12 SE, WY

COOP ID: 481850

Climate Division: WY 4

NWS Call Sign:

Elevation: 5,248 Feet

Lat: 44° 25N

Lon: 108° 54W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/29	6/23	6/19	6/15	6/12	6/08	6/04	5/31	5/25
32	6/14	6/07	6/02	5/29	5/25	5/21	5/17	5/12	5/05
28	5/20	5/15	5/11	5/09	5/06	5/03	4/30	4/27	4/22
24	5/13	5/07	5/03	4/29	4/26	4/23	4/19	4/15	4/09
20	4/30	4/24	4/20	4/17	4/13	4/10	4/06	4/02	3/27
16	4/18	4/13	4/09	4/06	4/03	3/31	3/28	3/24	3/19
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/21	8/26	8/30	9/02	9/06	9/09	9/12	9/16	9/21
32	9/06	9/10	9/13	9/15	9/18	9/20	9/23	9/26	9/30
28	9/12	9/17	9/19	9/22	9/24	9/27	9/29	10/02	10/06
24	9/19	9/24	9/29	10/02	10/05	10/09	10/12	10/16	10/22
20	9/30	10/06	10/11	10/14	10/18	10/22	10/26	10/30	11/05
16	10/05	10/12	10/16	10/20	10/24	10/28	11/01	11/05	11/12
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	109	101	95	90	85	80	75	70	61
32	138	130	124	119	115	110	106	100	92
28	162	155	149	145	141	137	132	127	120
24	184	176	171	166	162	157	153	147	139
20	214	205	198	192	187	182	176	170	161
16	229	220	214	208	203	198	193	186	177

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: CODY 12 SE, WY

COOP ID: 481850

Climate Division: WY 4

NWS Call Sign:

Elevation: 5,248 Feet Lat: 44° 25N

Lon: 108° 54W

Degree Days to Selected Base Temperatures (°F)

Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1306	1054	949	672	422	172	59	82	308	644	1001	1268	7937
60	1151	914	794	525	280	88	19	32	197	490	851	1113	6454
57	1058	830	701	440	206	52	9	17	142	398	761	1020	5634
55	996	774	639	386	163	34	4	10	111	338	706	958	5119
50	844	644	490	260	79	10	0	2	51	201	566	810	3957
32	363	240	92	20	0	0	0	0	0	5	176	339	1235

Cooling Degree Days (1)

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	80	110	167	338	604	874	1119	1075	710	384	166	94	5721
55	0	0	0	13	54	218	410	372	131	4	5	0	1207
57	0	0	0	8	35	176	353	317	103	2	0	0	994
60	0	0	0	3	16	122	270	239	68	0	0	0	718
65	0	0	0	0	3	55	155	135	29	0	0	0	377
70	0	0	0	0	0	19	75	61	10	0	0	0	165

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	7	17	58	164	377	643	878	837	496	204	44	4	7	24	82	246	623	1266	2144	2981	3477	3681	3725	3729
45	0	1	16	83	240	494	723	682	358	110	17	0	0	1	17	100	340	834	1557	2239	2597	2707	2724	2724
50	0	0	2	36	134	350	568	529	233	45	0	0	0	0	2	38	172	522	1090	1619	1852	1897	1897	1897
55	0	0	0	10	58	225	416	375	133	13	0	0	0	0	0	10	68	293	709	1084	1217	1230	1230	1230
60	0	0	0	0	18	117	271	232	59	1	0	0	0	0	0	0	18	135	406	638	697	698	698	698
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	2	21	55	128	242	403	557	535	336	174	41	9	2	23	78	206	448	851	1408	1943	2279	2453	2494	2503

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: CODY 21 SW, WY

COOP ID: 481855

Climate Division: WY 4

NWS Call Sign:

Elevation: 5,840 Feet Lat: 44° 20N

Lon: 109° 23W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	37.6	14.1	25.9	67	1981	22	37.0	1986	-29	1980	28	8.9	1979	1215	0	.0	.0	5.3	8.5	27.5	6.1
Feb	41.1	16.8	29.0	68+	1992	27	38.1	1991	-47	1989	3	11.9	1989	1009	0	.0	.0	7.5	5.6	25.2	3.7
Mar	46.9	21.9	34.4	73	1978	29	42.3	1986	-23	1989	4	28.3	1996	948	0	.0	.0	13.6	2.9	26.7	1.5
Apr	54.8	28.3	41.6	87	1980	21	49.5	1987	-2	1984	28	33.7	1975	704	0	.0	.0	20.1	1.0	20.6	.1
May	63.4	36.2	49.8	87	1972	31	54.7	1987	12	1984	7	45.7	1975	472	1	.0	.0	27.6	@	9.5	.0
Jun	74.0	43.0	58.5	97+	1990	30	67.3	1988	27+	2000	1	51.4	1998	226	32	.0	1.2	29.7	.0	1.7	.0
Jul	82.0	47.9	65.0	99+	1998	18	69.1	1989	30	1986	6	58.0	1993	88	85	.0	4.4	31.0	.0	.1	.0
Aug	81.1	47.0	64.1	97+	2001	6	69.7	1971	28	1992	26	59.3	1987	107	77	.0	3.1	31.0	.0	.3	.0
Sep	70.5	38.9	54.7	94	2000	15	61.6	1990	5	1965	18	47.5	1985	328	18	.0	.5	28.2	.1	6.1	.0
Oct	59.4	30.8	45.1	86	1993	3	52.0	1988	-12	1991	30	40.2	1984	617	0	.0	.0	24.7	.7	17.1	.1
Nov	44.6	21.1	32.9	74+	2001	4	44.0	1999	-24	1985	26	18.8	1985	965	0	.0	.0	10.9	4.1	24.9	2.2
Dec	38.2	15.0	26.6	63+	1999	28	35.8	1980	-40	1990	21	13.5	1983	1191	0	.0	.0	5.9	8.5	27.4	4.8
Ann	57.8	30.1	44.0	99+	1998	18	69.7	1971	-47	1989	3	8.9	1979	7870	213	.0	9.2	235.5	31.4	187.1	18.5

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1958-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20 1971-2000

Station: CODY 21 SW, WY

COOP ID: 481855

Climate Division: WY 4

NWS Call Sign:

Elevation: 5,840 Feet Lat: 44°20N

Lon: 109°23W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1)										
														Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
Means/Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels											
													These values were determined from the incomplete gamma distribution											
Month	Mean	Median	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	.48	.40	.60	2000	11	1.53	1972	.02	1986	4.3	1.9	.1	.0	.05	.09	.16	.23	.30	.38	.47	.59	.75	1.02	1.27
Feb	.46	.29	.79	1986	19	1.83	1986	.02	1990	4.7	1.4	.1	.0	.05	.09	.15	.21	.28	.36	.45	.56	.71	.96	1.21
Mar	.86	.75	1.11	1980	31	2.37	1980	.16	1978	6.7	3.0	.2	@	.24	.33	.45	.56	.66	.77	.90	1.04	1.23	1.52	1.79
Apr	1.51	1.21	3.10	1963	27	3.85	1971	.06	1985	8.0	4.1	.7	.2	.20	.32	.53	.74	.96	1.21	1.50	1.85	2.32	3.11	3.86
May	2.04	1.80	2.52	1978	18	7.63	1978	.53	1973	10.9	5.3	1.0	.2	.50	.70	.99	1.26	1.52	1.80	2.10	2.47	2.95	3.71	4.42
Jun	1.47	1.31	1.83	1992	15	3.70	1992	.15	1978	9.8	4.3	.5	.1	.31	.45	.66	.86	1.06	1.27	1.50	1.79	2.16	2.76	3.32
Jul	1.34	1.30	1.95	1975	2	3.97	1975	.16	1996	9.3	4.0	.4	.1	.26	.38	.58	.76	.94	1.14	1.36	1.63	1.99	2.56	3.11
Aug	.99	.89	.96	1961	7	4.11	1972	.20	1978	8.8	3.2	.3	.0	.25	.34	.48	.61	.74	.87	1.02	1.20	1.43	1.79	2.14
Sep	1.42	1.19	1.60	1961	18	3.71	1982	.06	1979	7.5	3.6	.8	.2	.16	.27	.46	.66	.88	1.11	1.39	1.74	2.21	2.99	3.75
Oct	1.28	1.02	1.47	1989	28	3.61	1975	.08	1984	6.2	3.3	.7	.1	.22	.33	.51	.69	.87	1.06	1.29	1.56	1.92	2.50	3.06
Nov	.72	.72	.88	1985	8	1.77	1985	.00	1999	5.7	2.4	.2	.0	.07	.15	.27	.37	.48	.59	.73	.89	1.10	1.45	1.78
Dec	.52	.40	.61	1964	23	1.64	1978	.00	1986	4.9	2.1	.1	.0	.03	.09	.17	.25	.33	.42	.52	.65	.82	1.10	1.37
Ann	13.09	12.88	3.10	Apr 1963	27	7.63	May 1978	.00+	Nov 1999	86.8	38.6	5.1	.9	9.41	10.13	11.04	11.74	12.36	12.95	13.57	14.25	15.07	16.26	17.29

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1958-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: CODY 21 SW, WY

COOP ID: 481855

Climate Division: WY 4

NWS Call Sign:

Elevation: 5,840 Feet

Lat: 44° 20N

Lon: 109° 23W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	5.7	4.8	2	1	7.2	2000	11	16.7	1975	18	1979	27	16	1979	4.0	1.7	.6	.2	.0	14.7	6.9	2.9	1.2
Feb	5.3	3.6	1	1	11.0	1989	1	19.0	1986	17	1979	3	8	1979	4.2	1.6	.4	.2	@	9.9	4.9	2.5	.5
Mar	7.6	6.5	#	#	14.5	1980	31	26.7	1980	17	1980	31	2	1980	4.3	2.1	.7	.2	.1	5.2	1.9	.5	.1
Apr	8.0	5.8	1	#	15.6	1974	12	25.8	1974	19	1974	12	3	1974	3.0	2.3	1.0	.4	.1	3.5	2.2	1.2	.3
May	1.2	.0	#	0	6.6	1995	13	12.0	1978	7	1995	13	1	1978	.5	.4	.2	@	.0	.3	.2	.1	.0
Jun	.1	.0	#	0	2.0	1976	14	2.0	1976	#	1998	3	#	1998	@	@	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	2.1	.0	#	0	10.6	1984	23	16.3	1982	12	1982	14	1+	2000	.7	.6	.2	.1	@	.6	.3	.3	.1
Oct	6.5	3.9	#	#	20.7	1989	28	22.5	1971	21	1989	28	2	1989	2.3	1.5	.7	.3	.1	2.0	1.2	.6	.2
Nov	7.5	6.5	1	1	11.0	1985	8	25.0	1985	13	1985	25	6	1985	4.1	2.1	1.0	.4	@	8.9	5.2	2.8	.3
Dec	6.5	5.2	2	1	8.4	1985	9	15.7	1978	19	1985	9	10	1978	4.4	2.3	.7	.2	.0	12.6	7.2	3.6	1.2
Ann	50.5	36.3	N/A	N/A	20.7	Oct 1989	28	26.7	Mar 1980	21	Oct 1989	28	16	Jan 1979	27.5	14.6	5.5	2.0	.3	57.7	30.0	14.5	3.9

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: CODY 21 SW, WY

COOP ID: 481855

Climate Division: WY 4

NWS Call Sign:

Elevation: 5,840 Feet

Lat: 44° 20N

Lon: 109° 23W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	7/16	7/10	7/06	7/02	6/28	6/25	6/21	6/16	6/10
32	6/29	6/23	6/18	6/14	6/10	6/06	6/02	5/29	5/22
28	6/02	5/28	5/24	5/21	5/18	5/15	5/12	5/09	5/04
24	5/21	5/16	5/12	5/09	5/06	5/02	4/29	4/25	4/20
20	5/07	5/02	4/29	4/25	4/23	4/20	4/17	4/13	4/08
16	5/01	4/24	4/20	4/16	4/12	4/08	4/05	3/31	3/25
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/11	8/17	8/21	8/25	8/28	9/01	9/05	9/09	9/15
32	8/24	8/29	9/02	9/05	9/09	9/12	9/15	9/19	9/25
28	9/06	9/10	9/14	9/16	9/19	9/22	9/25	9/28	10/02
24	9/13	9/19	9/23	9/26	9/30	10/03	10/07	10/11	10/17
20	9/22	9/28	10/03	10/06	10/10	10/13	10/17	10/21	10/27
16	10/02	10/08	10/13	10/17	10/20	10/24	10/27	11/01	11/07
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	87	78	71	66	60	55	49	43	33
32	114	106	100	95	90	85	80	74	65
28	144	137	132	127	123	119	115	109	102
24	169	161	156	151	147	142	138	132	124
20	196	187	180	175	169	164	158	152	143
16	217	208	201	196	190	185	179	172	163

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: CODY 21 SW, WY

COOP ID: 481855

Climate Division: WY 4

NWS Call Sign:

Elevation: 5,840 Feet Lat: 44° 20N

Lon: 109° 23W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1215	1009	948	704	472	226	88	107	328	617	965	1191	7870
60	1060	869	793	554	322	128	28	42	210	463	815	1036	6320
57	967	785	700	468	240	83	12	21	152	372	725	943	5468
55	905	729	638	412	191	58	6	12	119	313	665	881	4929
50	759	598	485	279	92	19	1	2	55	184	526	735	3735
32	296	200	81	21	0	0	0	0	0	4	141	274	1017

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	105	115	157	307	551	796	1021	993	681	410	166	106	5408
55	0	0	0	7	29	164	314	292	110	6	0	0	922
57	0	0	0	4	17	128	258	239	83	3	0	0	732
60	0	0	0	0	6	84	181	167	51	1	0	0	490
65	0	0	0	0	1	32	85	77	18	0	0	0	213
70	0	0	0	0	0	9	25	23	5	0	0	0	62

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	18	26	56	142	317	560	776	751	459	227	59	18	18	44	100	242	559	1119	1895	2646	3105	3332	3391	3409
45	1	3	19	66	192	413	621	596	326	128	24	3	1	4	23	89	281	694	1315	1911	2237	2365	2389	2392
50	0	0	1	24	93	274	466	441	204	61	8	0	0	0	1	25	118	392	858	1299	1503	1564	1572	1572
55	0	0	0	5	38	151	315	294	108	23	0	0	0	0	0	5	43	194	509	803	911	934	934	934
60	0	0	0	0	6	66	171	155	46	3	0	0	0	0	0	0	6	72	243	398	444	447	447	447
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	13	22	53	115	223	369	501	490	319	184	44	13	13	35	88	203	426	795	1296	1786	2105	2289	2333	2346

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20

1971-2000

Station: COLONY, WY

COOP ID: 481905

Climate Division: WY 6

NWS Call Sign:

Elevation: 3,570 Feet Lat: 44° 55N

Lon: 104° 11W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	33.0	11.7	22.4	69	1992	31	34.0	1992	-32	1916	12	8.2	1979	1322	0	.0	.0	2.6	14.1	29.4	8.2
Feb	39.0	17.0	28.0	75	1982	21	37.7	1991	-39	1936	14	13.2	1989	1036	0	.0	.0	6.7	9.0	25.2	4.4
Mar	47.0	23.3	35.2	81	1943	29	44.0	1986	-21	1996	8	25.0	1996	925	0	.0	.0	13.3	5.1	25.9	1.3
Apr	58.4	32.8	45.6	90+	1980	21	53.3	1987	-6	1936	2	38.4	1997	582	1	.0	@	21.9	.9	15.1	.0
May	68.7	42.8	55.8	101	1934	28	62.7	1985	15	1954	3	49.5	1996	306	19	.0	.7	29.4	.0	2.9	.0
Jun	78.7	51.9	65.3	109+	1988	20	77.6	1988	29	1917	1	58.7	1993	108	118	.5	4.3	30.0	.0	@	.0
Jul	86.7	58.0	72.4	112	1981	7	77.1	1985	36	1957	4	62.7	1993	27	254	2.4	13.2	31.0	.0	.0	.0
Aug	86.2	56.9	71.6	110	1935	23	78.4	1983	37	1966	23	65.1	1993	35	238	1.4	12.7	31.0	.0	.0	.0
Sep	75.0	46.7	60.9	108	1978	6	68.0	1998	15	1926	25	54.2	1986	191	67	.3	3.6	29.1	.0	1.6	.0
Oct	60.7	36.0	48.4	92	1963	4	52.4	1974	-13	1925	28	44.9	1976	516	0	.0	.1	25.2	.4	10.2	.1
Nov	43.5	23.2	33.4	79	1999	7	44.2	1999	-19	1959	16	17.0	1985	949	0	.0	.0	10.3	6.9	23.9	1.2
Dec	34.8	14.3	24.6	70	1939	5	33.1	1979	-32	1990	22	6.7	1983	1253	0	.0	.0	3.7	12.0	29.2	5.2
Ann	59.3	34.6	47.0	112	Jul 1981	7	78.4	Aug 1983	-39	Feb 1936	14	6.7	Dec 1983	7250	697	4.6	34.6	234.2	48.4	163.4	20.4

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1915-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20 1971-2000

Station: COLONY, WY

COOP ID: 481905

Climate Division: WY 6

NWS Call Sign:

Elevation: 3,570 Feet Lat: 44° 55N

Lon: 104° 11W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1)											
														Probability that the monthly/annual precipitation will be equal to or less than the indicated amount											
Means/Medians(1)		Extremes								Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels											
														These values were determined from the incomplete gamma distribution											
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95	
Jan	.35	.27	1.70	1949	4	1.42	1996	.00	1995	4.2	1.2	.1	.0	.01	.03	.07	.12	.17	.24	.32	.43	.57	.83	1.08	
Feb	.40	.35	.96	2001	16	1.12	1998	.00	1983	3.7	1.6	.1	.0	.02	.05	.11	.17	.23	.30	.39	.49	.64	.89	1.13	
Mar	.82	.67	1.80	1946	16	2.64	1989	.01	1981	5.4	2.4	.5	.1	.06	.11	.21	.32	.45	.60	.77	1.00	1.31	1.84	2.36	
Apr	1.56	1.35	1.95	1922	6	3.58	1990	.02	1987	6.7	3.7	.9	.3	.17	.29	.51	.73	.96	1.22	1.53	1.91	2.43	3.28	4.11	
May	2.53	1.97	2.85	1982	20	7.21	1982	.61	1980	8.1	5.5	1.6	.4	.51	.75	1.12	1.46	1.80	2.17	2.58	3.08	3.74	4.79	5.79	
Jun	2.67	2.50	3.65	1993	29	9.68	1993	.17	1996	7.7	5.7	1.6	.7	.38	.60	.98	1.35	1.74	2.17	2.66	3.26	4.08	5.40	6.68	
Jul	1.79	1.73	2.10	1994	6	4.40	1993	.23	1988	6.7	4.4	1.2	.3	.37	.53	.80	1.04	1.28	1.54	1.83	2.18	2.64	3.38	4.08	
Aug	1.23	.83	2.25	1960	17	3.77	1972	.17	1978	4.9	3.2	.7	.2	.21	.32	.50	.67	.84	1.03	1.25	1.51	1.85	2.41	2.95	
Sep	1.17	.94	2.83	1923	28	3.49	1986	.06	1975	4.4	2.6	.9	.2	.12	.21	.37	.53	.71	.91	1.14	1.43	1.82	2.48	3.12	
Oct	1.33	.93	2.20	1994	6	4.11	1998	.08	1987	5.0	3.1	.9	.4	.14	.24	.42	.61	.81	1.03	1.30	1.63	2.08	2.83	3.56	
Nov	.59	.43	1.50	1944	14	2.22	2000	.05	1987	4.3	1.8	.2	.1	.07	.11	.19	.27	.36	.46	.57	.72	.91	1.23	1.55	
Dec	.44	.37	1.10	1935	13	1.38	1993	.00+	1998	4.3	1.2	.1	.0	.00	.01	.06	.13	.20	.28	.39	.53	.73	1.07	1.42	
Ann	14.88	14.53	3.65	Jun 1993	29	9.68	Jun 1993	.00+	Dec 1998	65.4	36.4	8.8	2.7	9.81	10.76	12.01	12.96	13.81	14.64	15.51	16.47	17.64	19.36	20.86	

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1915-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: COLONY, WY

COOP ID: 481905

Climate Division: WY 6

NWS Call Sign:

Elevation: 3,570 Feet

Lat: 44° 55N

Lon: 104° 11W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	5.1	3.5	3	2	8.0	1996	3	15.5	1996	18	1986	7	12	1986	4.1	2.1	.5	.1	.0	21.0	11.7	7.4	2.3
Feb	4.2	3.5	3	1	8.0	1991	17	12.0	1979	17+	1979	24	13	1979	3.1	2.1	.3	.1	.0	13.4	8.4	5.8	2.3
Mar	7.7	5.3	2	1	14.0	1977	29	28.0	1977	24	1977	30	6	1989	3.5	2.5	.9	.4	@	11.3	6.4	3.9	1.8
Apr	4.5	3.0	1	#	12.0	1984	25	30.0	1984	30	1984	27	4	1984	1.5	1.2	.6	.4	.1	3.0	1.6	.8	.6
May	.4	.0	#	0	4.0	1983	12	6.0	1983	12	1984	1	1	1984	.2	.2	@	.0	.0	.5	.2	.1	@
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.1	.0	#	0	2.0	1984	23	2.0	1984	3	1984	24	#+	1984	.1	.1	.0	.0	.0	.1	@	.0	.0
Oct	1.7	.3	#	0	9.0	1989	29	11.0	1971	9	1989	29	1	1991	.8	.5	.1	.1	.0	.9	.3	@	.0
Nov	6.9	5.7	1	1	8.0	1978	9	20.5	1985	17	1978	12	8	1978	3.0	1.9	.9	.2	.0	8.8	4.5	2.8	.3
Dec	6.1	5.4	3	2	10.0	1983	4	15.0	1984	18	1985	20	15	1985	3.9	2.4	.6	.3	@	19.5	11.8	8.1	2.9
Ann	36.7	26.7	N/A	N/A	14.0	Mar 1977	29	30.0	Apr 1984	30	Apr 1984	27	15	Dec 1985	20.2	13.0	3.9	1.6	.1	78.5	44.9	28.9	10.2

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: COLONY, WY

COOP ID: 481905

Climate Division: WY 6

NWS Call Sign:

Elevation: 3,570 Feet

Lat: 44° 55N

Lon: 104° 11W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/06	5/31	5/28	5/24	5/21	5/18	5/15	5/11	5/06
32	5/25	5/20	5/16	5/14	5/11	5/08	5/05	5/02	4/27
28	5/15	5/10	5/06	5/03	4/30	4/27	4/24	4/20	4/15
24	4/30	4/26	4/23	4/20	4/18	4/15	4/12	4/09	4/05
20	4/22	4/16	4/12	4/08	4/05	4/01	3/29	3/24	3/19
16	4/11	4/05	4/01	3/29	3/25	3/22	3/18	3/14	3/09
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/09	9/12	9/15	9/17	9/18	9/20	9/22	9/24	9/27
32	9/15	9/19	9/23	9/25	9/28	10/01	10/03	10/07	10/11
28	9/21	9/27	10/02	10/06	10/09	10/13	10/17	10/21	10/27
24	9/30	10/06	10/10	10/13	10/17	10/20	10/24	10/28	11/03
20	10/11	10/17	10/21	10/24	10/27	10/30	11/03	11/07	11/12
16	10/20	10/27	11/01	11/05	11/08	11/12	11/16	11/21	11/28
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	138	132	127	123	119	116	112	107	101
32	161	154	148	144	139	135	131	125	118
28	186	177	171	166	162	157	152	146	138
24	202	195	190	186	181	177	173	168	161
20	231	222	216	210	205	200	194	188	179
16	251	243	237	232	227	223	218	212	204

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: COLONY, WY

COOP ID: 481905

Climate Division: WY 6

NWS Call Sign:

Elevation: 3,570 Feet Lat: 44° 55N

Lon: 104° 11W

Degree Days to Selected Base Temperatures (°F)

Base	Heating Degree Days (1)												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
Below													
65	1322	1036	925	582	306	108	27	35	191	516	949	1253	7250
60	1167	896	770	439	187	48	8	12	103	363	799	1098	5890
57	1075	821	677	357	131	26	2	4	65	274	716	1005	5153
55	1015	769	617	306	99	17	1	2	45	218	660	945	4694
50	870	638	473	195	42	4	0	0	14	105	521	801	3663
32	398	263	100	10	0	0	0	0	0	2	160	340	1273

Cooling Degree Days (1)

Base	Cooling Degree Days (1)												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
Above													
32	98	151	199	419	736	1000	1251	1226	866	508	201	110	6765
55	2	12	2	25	122	327	538	515	221	12	11	2	1789
57	1	9	0	16	92	276	478	455	181	6	7	0	1521
60	0	0	0	8	55	208	391	370	130	2	0	0	1164
65	0	0	0	1	19	118	254	238	67	0	0	0	697
70	0	0	0	0	4	55	147	135	28	0	0	0	369

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	7	27	72	220	499	774	1021	998	641	299	68	12	7	34	106	326	825	1599	2620	3618	4259	4558	4626	4638
45	0	6	32	128	355	624	866	843	495	184	28	1	0	6	38	166	521	1145	2011	2854	3349	3533	3561	3562
50	0	0	10	65	225	475	711	688	361	96	10	0	0	0	10	75	300	775	1486	2174	2535	2631	2641	2641
55	0	0	0	27	126	331	556	535	238	45	0	0	0	0	0	27	153	484	1040	1575	1813	1858	1858	1858
60	0	0	0	8	55	202	405	381	141	13	0	0	0	0	0	8	63	265	670	1051	1192	1205	1205	1205
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	2	24	62	162	308	483	651	635	401	199	49	8	2	26	88	250	558	1041	1692	2327	2728	2927	2976	2984

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatology
of the United States
No. 20
1971-2000**

Station: DEAVER, WY

COOP ID: 482415

Climate Division: WY 4

NWS Call Sign:

Elevation: 4,105 Feet Lat: 44° 53N

Lon: 108° 36W

Temperature (°F)

Mean (1)			Extremes											Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	28.9	2.8	15.9	63+	1974	16	27.5	1981	-37	1951	29	-4.8	1979	1525	0	.0	.0	1.6	15.0	30.7	10.6
Feb	37.7	9.6	23.7	74	1999	25	34.6	1999	-36	1989	3	8.0	1989	1158	0	.0	.0	6.1	7.3	28.2	4.8
Mar	49.9	20.4	35.2	82	1960	22	43.1	1992	-18+	1965	25	24.5	1996	927	0	.0	.0	18.1	2.2	28.7	.9
Apr	60.4	29.0	44.7	87+	1980	21	51.5	1987	6+	1986	14	36.8	1975	609	0	.0	.0	25.4	.3	19.7	.0
May	70.2	39.4	54.8	98	1964	21	59.3	1994	14	1954	3	50.1	1975	325	8	.0	.3	30.1	.0	4.9	.0
Jun	80.4	47.8	64.1	102+	1990	30	73.2	1988	27	1951	1	57.3	1998	111	84	.1	5.2	29.9	.0	.3	.0
Jul	87.5	53.1	70.3	105+	1989	4	74.8	1998	35+	1972	4	61.9	1993	29	192	.6	13.6	31.0	.0	.0	.0
Aug	86.1	50.8	68.5	104	1983	7	73.3	1971	25	1976	27	64.3	1993	50	158	.3	13.2	31.0	.0	.1	.0
Sep	74.4	40.0	57.2	102	1950	4	65.5	1998	17+	1985	30	52.3	1985	260	27	.0	2.4	29.3	.0	4.4	.0
Oct	61.7	29.4	45.6	89+	2001	1	50.7	1988	-6	1991	30	42.3	1971	602	0	.0	.0	27.0	.4	19.7	@
Nov	43.0	16.0	29.5	73+	1999	9	39.1	1999	-23	1975	30	14.2	1985	1064	0	.0	.0	9.9	5.3	28.9	2.3
Dec	31.7	5.6	18.7	63+	1999	1	25.9	1997	-38	1990	22	5.0	1983	1436	0	.0	.0	2.0	13.1	30.9	7.3
Ann	59.3	28.7	44.0	105+	Jul 1989	4	74.8	Jul 1998	-38	Dec 1990	22	-4.8	Jan 1979	8096	469	1.0	34.7	241.4	43.6	196.5	25.9

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20 1971-2000

Station: DEEVER, WY

COOP ID: 482415

Climate Division: WY 4

NWS Call Sign:

Elevation: 4,105 Feet Lat: 44° 53N

Lon: 108° 36W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount											
		Means/ Medians(1)		Extremes						Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution											
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95	
Jan	.17	.09	.48	1972	2	.78	1972	.00+	1999	2.4	.5	.0	.0	.00	.00	.00	.00	.03	.08	.13	.20	.30	.47	.64	
Feb	.10	.04	.66	1997	2	.66	1997	.00+	1998	2.1	.4	@	.0	.00	.00	.00	.00	.01	.03	.07	.11	.18	.31	.44	
Mar	.24	.16	.86	2000	29	.99	2000	.00+	1999	1.7	.8	.1	.0	.00	.00	.00	.04	.09	.15	.22	.30	.41	.61	.79	
Apr	.35	.26	.82	1964	26	1.11	1975	.00+	1988	3.1	1.3	.1	.0	.00	.00	.07	.12	.19	.25	.34	.44	.58	.82	1.05	
May	1.10	.84	2.33	1988	7	3.59	1981	.06	1973	5.7	2.9	.6	.1	.13	.22	.37	.53	.69	.87	1.08	1.34	1.69	2.27	2.84	
Jun	.99	.70	1.62	1969	25	5.24	1998	.00	1990	5.4	2.9	.6	@	.01	.06	.17	.30	.46	.65	.89	1.19	1.63	2.38	3.14	
Jul	.75	.51	2.01	1961	26	3.41	1993	.00+	1991	4.1	2.3	.3	.1	.00	.00	.13	.25	.38	.53	.71	.94	1.25	1.77	2.28	
Aug	.59	.49	1.25	1964	20	1.53	1977	.00+	1991	3.9	2.0	.2	.0	.00	.11	.23	.32	.41	.51	.61	.73	.90	1.16	1.40	
Sep	.56	.51	.92	1994	15	1.89	1973	.00+	1990	3.4	1.7	.4	.0	.00	.00	.08	.18	.28	.40	.54	.71	.95	1.33	1.71	
Oct	.38	.35	.80	1997	8	1.08	1975	.00+	1990	2.5	1.3	.1	.0	.00	.00	.09	.16	.22	.29	.38	.48	.61	.84	1.06	
Nov	.16	.11	.41	1991	13	.60	1978	.00+	1990	1.6	.5	.0	.0	.00	.00	.00	.02	.06	.10	.15	.20	.28	.40	.52	
Dec	.13	.05	.41	1985	12	.59	1989	.00+	1995	1.5	.5	.0	.0	.00	.00	.00	.00	.03	.07	.11	.16	.23	.35	.47	
Ann	5.52	5.26	2.33	May 1988	7	5.24	Jun 1998	.00+	Mar 1999	37.4	17.1	2.4	.2	3.05	3.49	4.06	4.52	4.94	5.35	5.78	6.27	6.88	7.78	8.58	

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: DEEVER, WY

COOP ID: 482415

Climate Division: WY 4

NWS Call Sign:

Elevation: 4,105 Feet

Lat: 44° 53N

Lon: 108° 36W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	2.9	.9	2	1	9.0	1971	7	11.4	1972	14	1979	4	13	1979	1.7	1.1	.3	.2	.0	3.7	1.9	1.1	.0
Feb	1.2	.0	1	#	3.0	1978	11	12.0	1978	11	1978	28	7	1978	.8	.6	.1	.0	.0	4.1	.3	.1	.0
Mar	1.3	.3	#	#	4.0	1977	25	6.0+	1996	11	1978	4	4	1978	.9	.6	.2	.0	.0	1.1	.5	.0	.0
Apr	1.0	.0	#	0	12.0	1973	21	12.1	1973	13	1973	21	1	1973	.4	.3	.2	@	@	.2	.1	.0	.0
May	.2	.0	#	0	4.0	1984	6	4.0	1984	#+	2000	12	#+	2000	@	@	@	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	#	0	.0	0	0	.0	0	#	1996	19	#	1996	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.5	.0	#	0	8.0	1984	23	11.0	1984	#+	2000	23	#+	2000	.1	.1	.1	@	.0	.0	.0	.0	.0
Oct	.4	.0	#	0	2.5	1995	29	2.5	1995	3	1995	29	#+	1997	.2	.2	.0	.0	.0	.4	@	.0	.0
Nov	1.5	.2	#	#	4.0	1975	25	10.0	1978	8	1978	30	5	1978	.9	.6	.2	.0	.0	1.8	.7	.7	.0
Dec	1.5	.0	1	#	5.0	1978	1	7.0	1999	14	1978	23	12	1978	.9	.7	.2	@	.0	2.9	.9	.2	.0
Ann	10.5	1.4	N/A	N/A	12.0	Apr 1973	21	12.1	Apr 1973	14+	Jan 1979	4	13	Jan 1979	5.9	4.2	1.3	.2	@	14.2	4.4	2.1	.0

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: DEEVER, WY

COOP ID: 482415

Climate Division: WY 4

NWS Call Sign:

Elevation: 4,105 Feet

Lat: 44° 53N

Lon: 108° 36W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/21	6/15	6/11	6/08	6/05	6/01	5/29	5/25	5/19
32	6/04	5/29	5/25	5/22	5/19	5/16	5/12	5/08	5/03
28	5/20	5/15	5/12	5/08	5/05	5/03	4/29	4/26	4/20
24	5/09	5/04	5/01	4/29	4/26	4/24	4/21	4/18	4/14
20	4/30	4/26	4/22	4/20	4/17	4/14	4/11	4/08	4/04
16	4/21	4/16	4/11	4/08	4/04	4/01	3/28	3/24	3/18
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/29	9/02	9/05	9/08	9/11	9/13	9/16	9/19	9/23
32	9/06	9/10	9/13	9/15	9/18	9/20	9/22	9/25	9/29
28	9/10	9/16	9/20	9/23	9/26	9/30	10/03	10/07	10/12
24	9/25	9/29	10/02	10/04	10/07	10/09	10/11	10/14	10/18
20	10/02	10/07	10/11	10/14	10/16	10/19	10/22	10/26	10/31
16	10/14	10/19	10/23	10/26	10/28	10/31	11/03	11/06	11/11
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	119	112	106	101	97	93	88	83	75
32	144	136	131	126	121	116	112	106	98
28	167	159	153	148	143	138	133	128	119
24	179	173	169	166	163	159	156	152	147
20	204	196	191	186	182	177	173	167	159
16	232	223	217	211	206	201	196	189	181

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: DEAVER, WY

COOP ID: 482415

Climate Division: WY 4

NWS Call Sign:

Elevation: 4,105 Feet Lat: 44° 53N

Lon: 108° 36W

Degree Days to Selected Base Temperatures (°F)

Base	Heating Degree Days (1)												
	Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
65	1525	1158	927	609	325	111	29	50	260	602	1064	1436	8096
60	1370	1018	772	461	196	46	7	15	152	447	914	1281	6679
57	1277	934	679	376	132	23	1	6	100	355	824	1188	5895
55	1215	878	617	322	98	13	0	3	72	295	766	1126	5405
50	1060	743	473	200	37	2	0	0	25	163	626	971	4300
32	552	315	97	7	0	0	0	0	0	5	216	456	1648

Cooling Degree Days (1)

Base	Cooling Degree Days (1)												
	Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
32	50	81	193	388	706	963	1187	1131	756	426	142	43	6066
55	0	0	1	12	90	287	474	421	139	3	2	0	1429
57	0	0	0	7	63	236	413	362	106	1	0	0	1188
60	0	0	0	2	33	169	326	278	68	0	0	0	876
65	0	0	0	0	8	84	192	158	27	0	0	0	469
70	0	0	0	0	1	31	96	72	8	0	0	0	208

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	2	3	57	211	482	736	955	907	555	227	26	2	2	5	62	273	755	1491	2446	3353	3908	4135	4161	4163
45	0	0	18	113	333	586	800	752	410	123	5	0	0	0	18	131	464	1050	1850	2602	3012	3135	3140	3140
50	0	0	0	50	208	438	645	598	277	54	0	0	0	0	0	50	258	696	1341	1939	2216	2270	2270	2270
55	0	0	0	16	107	294	490	444	163	14	0	0	0	0	0	16	123	417	907	1351	1514	1528	1528	1528
60	0	0	0	3	41	168	337	293	76	1	0	0	0	0	0	3	44	212	549	842	918	919	919	919
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	19	85	198	331	465	597	569	393	212	38	2	0	19	104	302	633	1098	1695	2264	2657	2869	2907	2909

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: DEVILS TOWER 2, WY

COOP ID: 482466

Climate Division: WY 6

NWS Call Sign:

Elevation: 3,862 Feet Lat: 44° 35N

Lon: 104° 43W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	31.0	3.0	17.0	65	1981	23	27.7	1981	-41	1963	23	.0	1979	1488	0	.0	.0	1.9	11.2	30.9	11.0
Feb	37.4	9.7	23.6	71	1995	25	33.2	1992	-44	1996	2	9.2	1989	1160	0	.0	.0	6.8	6.9	28.0	5.7
Mar	46.5	19.3	32.9	80+	1986	30	40.6	1986	-29	1978	3	24.5	1996	996	0	.0	.0	16.1	3.7	29.4	2.3
Apr	57.0	28.7	42.9	90	1980	21	48.3	1987	-12	1975	2	36.4	1997	665	0	.0	@	23.0	.6	20.8	.2
May	66.4	38.7	52.6	97	1969	27	57.3	1985	11	1967	4	47.4	1983	390	4	.0	.4	29.6	.0	8.4	.0
Jun	76.8	48.3	62.6	105	1961	29	72.8	1988	26+	1974	1	55.6	1998	143	68	.2	4.0	29.9	.0	1.1	.0
Jul	84.4	53.8	69.1	108	1981	6	73.2	1988	31	1987	12	62.9	1993	42	169	1.0	12.0	31.0	.0	.1	.0
Aug	83.6	51.4	67.5	103+	1969	11	75.0	1983	29	1992	30	61.2	1974	69	147	.3	11.3	31.0	.0	.3	.0
Sep	72.9	40.1	56.5	103	1978	6	63.6	1998	14	1984	25	51.3	1993	276	21	.1	3.2	28.9	.0	6.9	.0
Oct	60.7	29.2	45.0	91+	1963	5	48.5	1983	-20	1991	30	41.3	1987	623	0	.0	@	25.8	.5	21.8	@
Nov	42.7	16.6	29.7	80	1999	1	41.1	1999	-35	1959	16	15.1	1985	1062	0	.0	.0	10.8	5.1	28.3	2.7
Dec	33.5	6.6	20.1	67	1973	1	28.1	1994	-48	1983	24	2.3	1983	1394	0	.0	.0	3.5	10.6	30.8	7.9
Ann	57.7	28.8	43.3	108	Jul 1981	6	75.0	Aug 1983	-48	Dec 1983	24	.0	Jan 1979	8308	409	1.6	30.9	238.3	38.6	206.8	29.8

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1959-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20 1971-2000

Station: DEVILS TOWER 2, WY

COOP ID: 482466

Climate Division: WY 6

NWS Call Sign:

Elevation: 3,862 Feet Lat: 44° 35N

Lon: 104° 43W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
		Means/ Medians(1)		Extremes						Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	.60	.52	.54	1986	21	1.57	1994	.11	1995	7.7	2.3	@	.0	.13	.18	.27	.35	.43	.51	.61	.73	.88	1.13	1.36
Feb	.59	.53	.80	1981	10	1.31	1998	.06	1983	5.5	1.8	.2	.0	.12	.17	.26	.33	.41	.50	.60	.71	.87	1.12	1.35
Mar	1.00	.80	1.12	1973	14	1.89	1996	.03	1981	7.9	2.9	.5	.1	.17	.25	.40	.54	.68	.83	1.01	1.22	1.51	1.97	2.41
Apr	1.83	1.83	1.74	1971	19	3.41	1991	.18	1987	8.4	5.1	1.0	.2	.39	.55	.82	1.06	1.31	1.57	1.86	2.22	2.68	3.43	4.13
May	2.56	2.13	1.83	1995	9	7.24	1978	.95	1983	10.7	6.0	1.5	.4	.75	.99	1.36	1.68	1.98	2.31	2.66	3.08	3.62	4.47	5.26
Jun	3.15	3.07	2.62	1964	22	7.03	1993	.61	1974	11.0	6.5	1.8	.9	.88	1.18	1.63	2.03	2.42	2.82	3.27	3.80	4.48	5.56	6.57
Jul	2.05	2.03	2.00	1966	22	4.06	1981	.36	1971	8.9	4.6	1.1	.4	.59	.79	1.08	1.34	1.58	1.84	2.13	2.47	2.90	3.59	4.22
Aug	1.54	1.33	2.43	1960	17	3.01	1974	.26	1986	6.9	3.4	.7	.3	.32	.46	.68	.89	1.10	1.32	1.57	1.87	2.26	2.90	3.50
Sep	1.28	1.09	2.73	1966	13	4.41	1986	.07	1990	6.6	3.4	.5	.2	.23	.34	.53	.70	.88	1.07	1.29	1.56	1.92	2.49	3.03
Oct	1.54	1.33	3.02	1971	2	4.49	1971	.15	1992	6.8	3.4	.7	.3	.19	.31	.53	.74	.97	1.22	1.52	1.88	2.38	3.19	3.98
Nov	.79	.67	1.75	2000	1	3.15	2000	.00	1987	6.5	2.5	.2	@	.09	.18	.31	.43	.55	.67	.81	.98	1.20	1.56	1.91
Dec	.71	.73	.58	1990	14	1.66	1996	.07	1991	7.5	2.6	.1	.0	.13	.19	.30	.39	.49	.60	.72	.87	1.06	1.37	1.67
Ann	17.64	16.68	3.02	Oct 1971	2	7.24	May 1978	.00	Nov 1987	94.4	44.5	8.3	2.8	12.47	13.47	14.75	15.72	16.59	17.43	18.29	19.25	20.41	22.09	23.55

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1959-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: DEVILS TOWER 2, WY

COOP ID: 482466

Climate Division: WY 6

NWS Call Sign:

Elevation: 3,862 Feet

Lat: 44° 35N

Lon: 104° 43W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	9.0	8.3	7	7	6.3	1986	21	28.2	1971	22+	1979	23	19	1979	6.4	3.8	.9	.1	.0	24.8	22.9	20.6	8.3
Feb	7.6	6.7	8	6	8.0	1998	26	17.0+	1998	25	1979	23	20	1979	4.3	2.7	.7	.2	.0	21.7	18.8	17.4	10.2
Mar	8.3	6.5	3	2	13.0	1987	21	19.0	1996	21	1979	4	12	1971	4.4	3.3	1.0	.3	.1	11.0	8.5	6.7	3.0
Apr	5.2	3.5	1	#	10.0	1989	27	15.0	1973	20	1984	27	4	1997	2.1	1.7	.8	.4	.1	2.3	1.3	.8	.1
May	.5	.0	#	0	4.0	1975	20	4.5	1975	4	1983	12	#+	1996	.3	.2	.1	.0	.0	.2	.0	.0	.0
Jun	#	.0	#	0	#	1995	10	#	1995	#	1995	10	#	1995	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.1	.0	#	0	1.5	1984	24	2.5	1984	2	1984	24	#+	1996	.1	.1	.0	.0	.0	@	.0	.0	.0
Oct	2.7	1.0	#	#	9.0	1971	2	17.5	1971	7	1989	29	1	1996	1.1	.8	.4	.1	.0	1.3	.9	.2	.0
Nov	7.4	6.8	1	1	7.0	1978	10	18.6	2000	11	1976	30	7	2000	4.5	2.5	.7	.2	.0	7.8	4.3	2.7	@
Dec	9.8	8.8	4	3	7.5	1985	24	25.2	1996	21	1985	25	13	1978	6.4	3.6	1.2	.4	.0	19.5	12.7	8.5	3.0
Ann	50.6	41.6	N/A	N/A	13.0	Mar 1987	21	28.2	Jan 1971	25	Feb 1979	23	20	Feb 1979	29.6	18.7	5.8	1.7	.2	88.6	69.4	56.9	24.6

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: DEVILS TOWER 2, WY

COOP ID: 482466

Climate Division: WY 6

NWS Call Sign:

Elevation: 3,862 Feet

Lat: 44° 35N

Lon: 104° 43W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	7/08	7/01	6/26	6/22	6/19	6/15	6/11	6/06	5/31
32	6/25	6/18	6/13	6/09	6/05	6/01	5/28	5/23	5/16
28	5/30	5/25	5/22	5/19	5/16	5/14	5/11	5/07	5/03
24	5/17	5/12	5/09	5/06	5/03	5/01	4/28	4/25	4/20
20	5/09	5/04	4/30	4/27	4/25	4/22	4/19	4/16	4/11
16	4/29	4/23	4/20	4/16	4/13	4/10	4/07	4/03	3/28
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/13	8/19	8/23	8/27	8/31	9/03	9/07	9/12	9/18
32	8/28	9/02	9/06	9/09	9/12	9/15	9/18	9/22	9/27
28	9/11	9/14	9/16	9/19	9/21	9/23	9/25	9/27	10/01
24	9/14	9/19	9/23	9/27	9/30	10/03	10/07	10/11	10/17
20	9/19	9/26	9/30	10/04	10/07	10/11	10/14	10/19	10/25
16	10/05	10/10	10/14	10/18	10/21	10/24	10/27	10/31	11/06
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	101	91	84	78	73	67	61	54	44
32	124	115	109	103	98	93	87	80	71
28	145	138	134	130	126	123	119	115	108
24	170	163	158	153	149	145	141	136	128
20	186	179	174	169	165	160	156	150	143
16	213	205	200	195	190	185	180	175	166

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: DEVILS TOWER 2, WY

COOP ID: 482466

Climate Division: WY 6

NWS Call Sign:

Elevation: 3,862 Feet Lat: 44° 35N

Lon: 104° 43W

Degree Days to Selected Base Temperatures (°F)

Base	Heating Degree Days (1)												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
Below 65	1488	1160	996	665	390	143	42	69	276	623	1062	1394	8308
60	1333	1020	841	515	251	68	12	25	162	468	912	1239	6846
57	1240	936	748	428	179	37	4	12	107	376	822	1146	6035
55	1178	880	686	372	138	24	1	6	78	316	762	1084	5525
50	1023	745	532	241	61	6	0	1	27	182	621	930	4369
32	507	314	112	11	0	0	0	0	0	5	203	431	1583

Cooling Degree Days (1)

Base	Cooling Degree Days (1)												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
Above 32	42	78	139	335	637	915	1150	1100	735	406	132	60	5729
55	0	0	0	7	61	249	438	393	123	3	0	0	1274
57	0	0	0	3	41	202	378	337	92	1	0	0	1054
60	0	0	0	0	20	143	293	257	57	0	0	0	770
65	0	0	0	0	4	68	169	147	21	0	0	0	409
70	0	0	0	0	0	24	82	69	6	0	0	0	181

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	7	53	187	438	700	931	890	540	228	34	4	0	7	60	247	685	1385	2316	3206	3746	3974	4008	4012
45	0	0	17	102	294	552	776	735	398	126	12	0	0	0	17	119	413	965	1741	2476	2874	3000	3012	3012
50	0	0	0	46	174	407	621	580	272	53	0	0	0	0	0	46	220	627	1248	1828	2100	2153	2153	2153
55	0	0	0	15	87	270	466	426	161	15	0	0	0	0	0	15	102	372	838	1264	1425	1440	1440	1440
60	0	0	0	2	35	152	316	278	79	3	0	0	0	0	0	2	37	189	505	783	862	865	865	865
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	16	78	178	311	453	585	569	392	221	54	7	0	16	94	272	583	1036	1621	2190	2582	2803	2857	2864

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: DILLINGER, WY

COOP ID: 482580

Climate Division: WY 6

NWS Call Sign:

Elevation: 4,310 Feet Lat: 44°06N

Lon: 105°07W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	32.6	7.3	20.0	66	1981	23	30.4	1981	-42	1963	19	2.2	1979	1398	0	.0	.0	2.1	13.3	30.5	9.5
Feb	38.2	12.7	25.5	77	1951	10	35.0	1992	-38	1996	2	11.5	1989	1108	0	.0	.0	6.0	8.2	27.8	5.1
Mar	46.7	20.6	33.7	78+	1986	28	41.9	1986	-28	1960	3	26.5	1996	972	0	.0	.0	13.3	4.2	28.3	1.7
Apr	56.7	28.8	42.8	87	1992	30	49.7	1987	-5+	1975	2	35.4	1997	667	0	.0	.0	21.1	.9	20.6	.2
May	66.9	38.7	52.8	96	1969	27	59.3	1987	5	1954	3	48.6	1983	384	6	.0	.1	29.0	.0	6.4	.0
Jun	78.3	47.5	62.9	103+	1980	26	73.3	1988	22	1967	1	56.3	1998	143	80	.3	4.2	29.8	.0	.5	.0
Jul	86.6	53.5	70.1	106	1954	12	74.5	1988	32	1972	4	63.1	1993	37	193	1.6	13.1	31.0	.0	@	.0
Aug	85.7	51.7	68.7	104	1986	19	75.6	1983	30+	1985	18	63.1	1977	54	169	.5	12.1	31.0	.0	@	.0
Sep	74.2	41.0	57.6	102	1978	6	65.8	1998	12	1985	29	53.1	1984	259	36	.1	2.9	28.8	.1	4.9	.0
Oct	60.0	29.8	44.9	90+	1992	1	48.6	1988	-16	1991	30	41.0	1984	623	0	.0	@	24.7	.6	19.0	.1
Nov	43.6	17.3	30.5	77+	1980	8	42.2	1999	-27	1959	16	14.7	1985	1037	0	.0	.0	10.3	6.2	28.0	2.8
Dec	34.4	8.4	21.4	70	1980	16	30.2	1980	-45	1990	22	4.0	1983	1352	0	.0	.0	4.0	11.9	30.5	7.2
Ann	58.7	29.8	44.2	106	Jul 1954	12	75.6	Aug 1983	-45	Dec 1990	22	2.2	Jan 1979	8034	484	2.5	32.4	231.1	45.4	196.5	26.6

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Climatology of the United States

No. 20 1971-2000

Station: DILLINGER, WY

COOP ID: 482580

Climate Division: WY 6

NWS Call Sign:

Elevation: 4,310 Feet Lat: 44°06N

Lon: 105°07W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount											
		Means/Medians(1)		Extremes						Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution											
Month	Mean	Median	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95	
Jan	.39	.34	.70	1977	17	1.50	1977	.03	1992	4.3	1.5	@	.0	.05	.08	.14	.19	.25	.31	.39	.48	.61	.81	1.01	
Feb	.53	.48	1.30	1998	25	1.66	1998	.02	1983	4.2	1.9	.1	@	.05	.08	.15	.22	.30	.40	.51	.64	.83	1.15	1.46	
Mar	.80	.84	.90	1970	9	1.78	1996	.22+	1979	6.0	3.0	.2	.0	.26	.34	.45	.55	.64	.73	.83	.95	1.11	1.35	1.57	
Apr	1.75	1.55	1.81	1993	30	3.78	1984	.31	1981	8.8	4.6	.8	.2	.46	.62	.88	1.10	1.32	1.55	1.81	2.11	2.50	3.13	3.71	
May	2.58	2.11	2.22	1995	8	7.52	1978	1.17	1973	9.8	6.8	1.5	.2	.87	1.12	1.47	1.78	2.07	2.37	2.69	3.07	3.56	4.32	5.02	
Jun	2.19	1.86	1.90	1964	8	5.86	1999	.43	1974	8.9	5.3	1.4	.4	.57	.78	1.10	1.37	1.65	1.94	2.26	2.64	3.13	3.92	4.65	
Jul	1.86	1.47	1.93	1981	25	5.97	1981	.60	1980	7.0	4.2	1.1	.3	.48	.66	.93	1.17	1.40	1.65	1.92	2.25	2.67	3.34	3.97	
Aug	1.13	.95	2.18	1959	1	2.94	1982	.11	1975	5.2	2.9	.7	.1	.12	.20	.36	.51	.68	.88	1.10	1.38	1.76	2.40	3.02	
Sep	1.11	1.13	1.68	1962	22	3.05	1986	.00	1975	5.2	2.8	.7	.1	.13	.27	.46	.62	.78	.95	1.14	1.37	1.68	2.16	2.63	
Oct	1.23	.97	1.72	1994	6	4.85	1998	.10	1999	5.2	3.1	.8	.1	.11	.20	.37	.54	.72	.93	1.18	1.49	1.92	2.64	3.34	
Nov	.57	.55	.96	2000	1	1.53	2000	.00	1972	4.4	2.2	.1	.0	.08	.15	.24	.32	.41	.49	.59	.70	.85	1.09	1.32	
Dec	.53	.52	.57	1981	16	1.24	1996	.04	1991	5.0	2.2	.1	.0	.09	.13	.21	.28	.36	.44	.53	.65	.80	1.05	1.29	
Ann	14.67	14.39	2.22	May 1995	8	7.52	May 1978	.00+	Sep 1975	74.0	40.5	7.5	1.4	10.03	10.91	12.05	12.92	13.70	14.45	15.23	16.10	17.15	18.68	20.02	

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: DILLINGER, WY

COOP ID: 482580

Climate Division: WY 6

NWS Call Sign:

Elevation: 4,310 Feet

Lat: 44°06N

Lon: 105°07W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	5.2	3.5	2	1	6.0	1977	17	16.0	1977	11	1982	12	9	1982	4.1	2.8	.4	.1	.0	6.8	3.0	1.8	.0
Feb	6.6	6.3	2	1	14.0	1998	25	17.5	1987	23	1978	28	15	1978	3.8	2.6	.7	.1	@	6.1	3.6	.6	.2
Mar	7.2	6.0	1	#	6.0	1988	11	16.5+	1998	15	1996	8	10	1996	3.5	2.9	.8	.2	.0	3.0	1.5	.1	.0
Apr	3.7	1.5	#	0	18.0	1984	26	18.0	1984	24	1997	12	7	1997	1.4	1.3	.7	.4	.1	.4	.3	.1	.0
May	.6	.0	#	0	8.0	1986	9	8.0	1986	4	1983	12	#+	1983	.1	.1	.1	@	.0	.1	.1	.0	.0
Jun	.1	.0	#	0	3.0	1998	3	3.0	1998	2	1999	5	#	1999	@	@	@	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.1	.0	0	0	2.0	1982	30	2.0	1982	0	0	0	0	0	@	@	.0	.0	.0	.0	.0	.0	.0
Oct	1.9	.0	#	0	9.0	1971	2	18.0	1971	11	1973	10	1	1991	.6	.6	.3	.2	.0	.3	.3	.1	@
Nov	5.8	4.5	1	#	6.0	1976	26	19.0	1985	10	1976	29	4	1986	3.3	2.5	.6	.2	.0	3.0	1.4	.4	.1
Dec	8.2	7.5	3	1	8.0	1981	16	20.5	1989	14	1989	18	10	1983	4.8	3.8	.8	.2	.0	12.4	7.2	4.0	1.2
Ann	39.4	29.3	N/A	N/A	18.0	Apr 1984	26	20.5	Dec 1989	24	Apr 1997	12	15	Feb 1978	21.6	16.6	4.4	1.4	.1	32.1	17.4	7.1	1.5

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States No. 20 1971-2000

Station: DILLINGER, WY

COOP ID: 482580

Climate Division: WY 6

NWS Call Sign:

Elevation: 4,310 Feet

Lat: 44° 06N

Lon: 105° 07W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	7/04	6/27	6/21	6/17	6/13	6/08	6/04	5/29	5/22
32	6/20	6/12	6/06	6/02	5/28	5/24	5/19	5/13	5/05
28	5/26	5/21	5/17	5/14	5/12	5/09	5/06	5/02	4/28
24	5/12	5/08	5/05	5/02	4/29	4/27	4/24	4/21	4/16
20	5/03	4/28	4/24	4/20	4/17	4/14	4/11	4/07	4/02
16	4/22	4/17	4/14	4/11	4/08	4/05	4/02	3/30	3/25
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/21	8/27	8/31	9/03	9/07	9/10	9/13	9/17	9/23
32	9/05	9/08	9/11	9/13	9/16	9/18	9/20	9/23	9/27
28	9/10	9/15	9/19	9/22	9/25	9/27	9/30	10/04	10/09
24	9/14	9/20	9/24	9/28	10/02	10/05	10/09	10/13	10/20
20	9/20	9/26	10/01	10/05	10/09	10/13	10/17	10/22	10/29
16	10/04	10/09	10/13	10/17	10/20	10/23	10/27	10/31	11/06
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	110	101	95	90	85	80	75	69	61
32	135	127	120	115	110	105	99	93	84
28	158	150	144	140	135	131	126	121	113
24	178	170	164	159	155	150	145	140	132
20	197	189	184	179	174	170	165	159	151
16	217	210	204	199	194	190	185	179	171

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: DILLINGER, WY

COOP ID: 482580

Climate Division: WY 6

NWS Call Sign:

Elevation: 4,310 Feet Lat: 44°06N

Lon: 105°07W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1398	1108	972	667	384	143	37	54	259	623	1037	1352	8034
60	1243	968	817	518	248	70	11	18	155	469	887	1197	6601
57	1150	884	724	432	178	40	3	8	105	377	797	1104	5802
55	1088	828	662	376	138	26	1	4	78	317	737	1042	5297
50	936	697	509	247	63	7	0	1	30	182	599	889	4160
32	444	277	98	13	0	0	0	0	0	5	196	397	1430

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	69	93	149	336	645	927	1179	1138	767	405	149	68	5925
55	0	0	0	9	70	263	467	430	155	4	0	0	1398
57	0	0	0	5	48	217	407	371	122	2	0	0	1172
60	0	0	0	1	24	157	322	289	82	0	0	0	875
65	0	0	0	0	6	80	193	169	36	0	0	0	484
70	0	0	0	0	1	32	100	83	13	0	0	0	229

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	9	48	161	411	702	947	904	546	223	38	4	0	9	57	218	629	1331	2278	3182	3728	3951	3989	3993
45	0	0	15	87	272	552	792	749	406	122	14	0	0	0	15	102	374	926	1718	2467	2873	2995	3009	3009
50	0	0	1	38	155	403	637	595	276	52	2	0	0	0	1	39	194	597	1234	1829	2105	2157	2159	2159
55	0	0	0	11	72	269	484	441	169	16	0	0	0	0	0	11	83	352	836	1277	1446	1462	1462	1462
60	0	0	0	2	24	152	332	293	84	4	0	0	0	0	0	2	26	178	510	803	887	891	891	891
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	15	61	146	277	442	587	571	373	196	51	7	0	15	76	222	499	941	1528	2099	2472	2668	2719	2726

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: DIVERSION DAM, WY

COOP ID: 482595

Climate Division: WY 9

NWS Call Sign:

Elevation: 5,575 Feet Lat: 43° 14N

Lon: 108° 57W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	33.5	5.7	19.6	66	1989	30	29.7	1994	-38+	1963	12	-6	1979	1408	0	.0	.0	3.8	11.4	30.4	9.1
Feb	39.1	10.7	24.9	78	1990	25	32.2	1988	-39	1989	2	10.1	1993	1122	0	.0	.0	7.5	6.8	27.5	5.1
Mar	48.5	19.3	33.9	80	1990	10	43.7	1986	-23	1996	1	26.6	1996	964	0	.0	.0	16.8	2.1	27.9	1.0
Apr	55.6	26.6	41.1	86+	1989	27	50.5	1989	-6	1983	7	34.3	1983	717	0	.0	.0	23.2	.6	20.2	.1
May	65.3	37.0	51.2	90	1954	20	56.6	1988	18+	1990	1	46.6	1995	432	3	.0	.0	29.6	.0	7.0	.0
Jun	76.1	44.1	60.1	105	1988	19	70.9	1988	27	1951	3	52.3	1998	199	52	.2	2.5	29.8	.0	.6	.0
Jul	83.3	49.4	66.4	112	1988	31	69.5	1989	33	1993	7	58.7	1993	66	107	.7	8.1	31.0	.0	.0	.0
Aug	81.7	48.4	65.1	106	1989	1	68.6	1983	30	1962	31	60.6	1993	68	69	.2	4.8	31.0	.0	@	.0
Sep	71.5	39.4	55.5	101	1988	8	60.7	1998	10	1985	29	52.1	1984	296	9	@	.8	28.8	.1	4.6	.0
Oct	60.6	29.4	45.0	96	1988	3	54.3	1988	-5	1971	30	40.0	1984	620	0	.0	.1	26.8	.5	18.2	.1
Nov	42.9	15.3	29.1	72	1999	14	39.1	1999	-23	1985	22	14.8	2000	1077	0	.0	.0	10.5	5.3	28.1	3.0
Dec	35.1	6.8	21.0	72	1989	3	33.7	1980	-44	1990	21	5.0	1983	1366	0	.0	.0	4.8	10.7	30.6	8.3
Ann	57.8	27.7	42.7	112	Jul 1988	31	70.9	Jun 1988	-44	Dec 1990	21	-6	Jan 1979	8335	240	1.1	16.3	243.6	37.5	195.1	26.7

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20 1971-2000

Station: DIVERSION DAM, WY

COOP ID: 482595

Climate Division: WY 9

NWS Call Sign:

Elevation: 5,575 Feet Lat: 43° 14N

Lon: 108° 57W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
		Means/Medians(1)		Extremes						Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Median	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	.17	.13	.80	1962	8	.57	1980	.00+	2000	1.7	.8	.0	.0	.00	.00	.03	.06	.10	.13	.17	.22	.28	.37	.47
Feb	.18	.15	.79	1987	23	.79	1987	.00+	1999	1.7	.8	@	.0	.00	.00	.00	.03	.07	.12	.17	.23	.31	.45	.58
Mar	.51	.38	.72	1987	16	1.82	1992	.03+	1986	3.1	1.6	.3	.0	.03	.06	.12	.19	.26	.36	.47	.61	.82	1.16	1.51
Apr	1.22	.96	1.70	1971	25	4.88	1999	.00	1987	4.7	2.9	.6	.1	.04	.14	.31	.49	.68	.90	1.17	1.50	1.95	2.71	3.46
May	1.98	1.87	1.54	1986	7	4.50	1978	.00	1984	6.4	4.5	1.6	.3	.16	.38	.70	.99	1.29	1.62	1.99	2.45	3.06	4.05	5.00
Jun	1.20	.55	2.43	1992	15	5.08	1993	.00+	1986	4.5	2.9	.7	.2	.00	.00	.12	.31	.52	.77	1.08	1.47	2.03	2.95	3.89
Jul	.95	.53	2.25	1977	25	2.98	1977	.00+	1986	3.6	2.4	.5	.1	.00	.00	.20	.36	.52	.71	.92	1.19	1.54	2.14	2.73
Aug	.66	.53	2.63	1976	1	3.41	1976	.00+	1985	3.4	1.8	.2	@	.00	.00	.15	.26	.38	.50	.65	.83	1.07	1.47	1.85
Sep	1.07	.58	2.23	1950	20	5.52	1973	.00+	1979	3.5	2.3	.6	.3	.00	.00	.15	.32	.50	.72	.98	1.31	1.78	2.57	3.37
Oct	.74	.38	1.48	1971	1	3.47	1971	.00+	1992	3.2	2.0	.4	@	.00	.03	.13	.24	.36	.51	.68	.90	1.21	1.74	2.26
Nov	.37	.24	.70	1983	8	1.35	1983	.00+	1999	2.1	1.2	.2	.0	.00	.00	.00	.09	.17	.25	.35	.47	.63	.90	1.15
Dec	.19	.13	.74	1992	12	.97	1992	.00+	2000	1.6	.8	@	.0	.00	.00	.00	.05	.10	.14	.19	.25	.33	.46	.58
Ann	9.24	9.42	2.63	Aug 1976	1	5.52	Sep 1973	.00+	Dec 2000	39.5	24.0	5.1	1.0	4.62	5.39	6.45	7.29	8.06	8.84	9.66	10.59	11.76	13.51	15.08

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: DIVERSION DAM, WY

COOP ID: 482595

Climate Division: WY 9

NWS Call Sign:

Elevation: 5,575 Feet

Lat: 43° 14N

Lon: 108° 57W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	3.1	3.1	1	#	5.0	1972	12	9.5	1993	8	1993	12	6	1993	1.7	1.2	.4	.1	.0	4.2	.5	.1	.0
Feb	2.3	1.2	1	#	6.0	1976	4	8.0	1997	6+	1996	29	3	1993	1.0	.7	.3	@	.0	3.3	1.3	.5	.0
Mar	4.0	3.0	#	#	12.0	1997	4	14.0	1973	12	1997	4	5	1973	1.4	1.0	.4	.2	@	2.6	1.2	.6	.1
Apr	1.5	.0	#	0	12.0	1991	18	17.0	1991	16	1999	23	2+	1999	.6	.5	.2	.1	@	.7	.5	.3	.0
May	1.0	.0	#	0	14.0	1983	11	20.0	1983	2	1997	2	#+	1997	.2	.1	.1	.1	@	@	.0	.0	.0
Jun	.1	.0	#	0	2.2	1998	4	2.2	1998	2	1998	4	#+	1998	@	@	.0	.0	.0	@	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.6	.0	#	0	5.0	1982	14	10.0	1982	2	2000	22	#+	2000	.3	.2	.1	.1	.0	.2	.0	.0	.0
Oct	.7	.0	#	0	4.0	1975	23	4.0+	1997	12	1971	30	1	1971	.3	.3	.1	.0	.0	.2	.1	.0	.0
Nov	2.9	2.0	1	#	7.0	1980	13	8.4	1998	18	1978	10	6	1978	1.3	.9	.4	.1	.0	3.4	1.4	.5	.0
Dec	2.0	1.7	1	#	12.0	1978	5	12.0+	1978	8	1979	24	6	1979	1.0	.7	.4	.1	.1	2.2	1.2	.6	.0
Ann	18.2	11.0	N/A	N/A	14.0	May 1983	11	20.0	May 1983	18	Nov 1978	10	6+	Jan 1993	7.8	5.6	2.4	.8	.1	16.8	6.2	2.6	.1

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: DIVERSION DAM, WY

COOP ID: 482595

Climate Division: WY 9

NWS Call Sign:

Elevation: 5,575 Feet

Lat: 43° 14N

Lon: 108° 57W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/29	6/23	6/18	6/14	6/10	6/06	6/02	5/29	5/22
32	6/12	6/07	6/03	5/31	5/27	5/24	5/21	5/17	5/11
28	5/23	5/18	5/15	5/13	5/10	5/07	5/05	5/01	4/27
24	5/13	5/08	5/05	5/02	4/29	4/26	4/23	4/20	4/15
20	5/07	5/01	4/26	4/23	4/19	4/16	4/12	4/08	4/02
16	4/27	4/21	4/16	4/12	4/08	4/04	3/31	3/27	3/20
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/24	8/30	9/02	9/06	9/09	9/12	9/15	9/19	9/24
32	9/05	9/09	9/12	9/15	9/17	9/20	9/22	9/25	9/29
28	9/13	9/17	9/21	9/23	9/26	9/29	10/01	10/05	10/09
24	9/18	9/25	9/29	10/03	10/07	10/10	10/14	10/18	10/25
20	9/29	10/04	10/09	10/12	10/15	10/19	10/22	10/26	11/01
16	10/11	10/17	10/21	10/25	10/28	10/31	11/04	11/08	11/14
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	116	107	101	95	90	85	79	73	63
32	130	124	119	115	112	109	105	100	94
28	156	150	145	142	138	135	131	127	121
24	187	178	171	165	160	154	149	142	132
20	206	197	190	184	178	173	167	160	151
16	229	220	213	208	202	197	191	184	175

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: DIVERSION DAM, WY

COOP ID: 482595

Climate Division: WY 9

NWS Call Sign:

Elevation: 5,575 Feet Lat: 43° 14N

Lon: 108° 57W

Degree Days to Selected Base Temperatures (°F)

Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1408	1122	964	717	432	199	66	68	296	620	1077	1366	8335
60	1253	982	809	568	289	112	19	17	174	467	927	1211	6828
57	1160	898	716	482	213	71	8	5	117	379	837	1118	6004
55	1098	842	654	427	169	50	4	2	85	323	777	1056	5487
50	944	702	504	296	82	17	0	0	32	200	631	901	4309
32	453	277	102	29	0	0	0	0	0	9	203	411	1484

Cooling Degree Days (1)

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	69	78	161	303	594	843	1064	1024	704	412	116	68	5436
55	0	0	0	10	50	202	355	313	99	12	0	0	1041
57	0	0	0	6	32	164	297	254	70	6	0	0	829
60	0	0	0	1	15	114	215	173	38	2	0	0	558
65	0	0	0	0	3	52	107	69	9	0	0	0	240
70	0	0	0	0	0	18	36	15	1	0	0	0	70

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	4	15	60	183	399	662	881	836	530	248	30	7	4	19	79	262	661	1323	2204	3040	3570	3818	3848	3855
45	1	1	23	95	258	513	726	681	386	138	7	0	1	2	25	120	378	891	1617	2298	2684	2822	2829	2829
50	0	0	4	42	149	364	571	526	255	62	0	0	0	0	4	46	195	559	1130	1656	1911	1973	1973	1973
55	0	0	0	18	64	233	418	371	141	20	0	0	0	0	0	18	82	315	733	1104	1245	1265	1265	1265
60	0	0	0	1	25	126	271	224	59	6	0	0	0	0	0	1	26	152	423	647	706	712	712	712
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	4	24	76	152	274	427	561	537	359	209	40	11	4	28	104	256	530	957	1518	2055	2414	2623	2663	2674

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20

1971-2000

Station: DOUBLE FOUR RANCH, WY

COOP ID: 482680

Climate Division: WY 8

NWS Call Sign:

Elevation: 6,199 Feet Lat: 42° 11N

Lon: 105° 24W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	33.9	13.2	23.6	57+	1981	23	30.9	1986	-33	1984	18	11.2	1979	1284	0	.0	.0	1.3	11.9	29.7	5.3
Feb	37.8	16.1	27.0	64	1962	11	33.4	1992	-37	1996	2	15.6	1989	1066	0	.0	.0	3.7	7.2	26.8	3.4
Mar	45.6	21.7	33.7	73	1960	27	40.5	1986	-24+	1980	1	28.6	1980	973	0	.0	.0	11.6	3.3	28.0	.8
Apr	53.8	27.1	40.5	82	1959	30	46.1	1981	-16+	1975	2	33.3	1983	736	0	.0	.0	20.0	1.0	23.3	.2
May	63.5	34.9	49.2	92	1964	20	53.9	1994	9	1964	5	44.2	1983	489	0	.0	.0	27.9	.1	10.9	.0
Jun	74.7	41.6	58.2	98+	1969	4	63.7	1988	20	1951	2	53.4	1993	222	16	.0	.7	29.8	.0	1.9	.0
Jul	81.6	47.0	64.3	100	1954	12	69.9	1976	29	1995	3	59.8	1993	87	65	.0	3.8	31.0	.0	.2	.0
Aug	80.6	45.4	63.0	96+	1979	5	67.7	1973	25	1993	31	59.6	1978	109	47	.0	1.6	31.0	.0	.5	.0
Sep	71.2	36.6	53.9	94+	2001	4	60.2	1998	-1	1985	30	49.9	1985	338	5	.0	.4	28.6	.1	9.2	@
Oct	58.9	28.5	43.7	87	1975	6	46.3	1999	-2	1991	31	38.3	1984	661	0	.0	.0	24.6	.6	21.2	.1
Nov	43.2	21.0	32.1	72	1999	7	41.6	1999	-22	1993	25	23.0	2000	986	0	.0	.0	10.0	5.5	25.9	1.3
Dec	35.1	14.5	24.8	61	1981	9	33.6	1980	-41	1990	22	13.2	1983	1246	0	.0	.0	2.2	10.4	29.1	4.1
Ann	56.7	29.0	42.8	100	Jul 1954	12	69.9	Jul 1976	-41	Dec 1990	22	11.2	Jan 1979	8197	133	.0	6.5	221.7	40.1	206.7	15.2

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20 1971-2000

Station: DOUBLE FOUR RANCH, WY

COOP ID: 482680

Climate Division: WY 8

NWS Call Sign:

Elevation: 6,199 Feet Lat: 42° 11N

Lon: 105° 24W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
		Means/Medians(1)		Extremes						Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Median	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	.41	.37	.80	1949	10	1.03	1980	.00	1989	4.5	1.6	.0	.0	.03	.07	.13	.19	.26	.33	.40	.50	.63	.85	1.05
Feb	.54	.38	1.02	1993	10	1.93	2000	.00	1983	4.4	1.9	.1	@	.03	.07	.15	.23	.32	.42	.53	.67	.86	1.18	1.48
Mar	.94	.80	.90	1975	31	2.76	1983	.15	1995	6.0	3.0	.3	.0	.16	.24	.38	.51	.64	.79	.95	1.15	1.41	1.84	2.25
Apr	2.00	1.74	1.93	1984	20	5.71	1999	.32	1987	8.0	4.8	1.1	.2	.42	.60	.90	1.16	1.43	1.72	2.05	2.44	2.95	3.78	4.56
May	2.86	2.35	3.80	1971	5	8.10	1971	.35	1985	10.2	6.6	1.5	.5	.54	.80	1.21	1.60	1.99	2.42	2.90	3.48	4.25	5.49	6.66
Jun	2.07	1.88	3.89	1965	10	5.52	1991	.15	1980	8.4	4.7	1.1	.3	.32	.50	.80	1.08	1.38	1.70	2.07	2.52	3.13	4.11	5.06
Jul	1.72	1.64	2.27	1953	29	3.95	1984	.42	2000	9.5	5.3	.8	.1	.53	.70	.94	1.15	1.35	1.56	1.79	2.06	2.41	2.95	3.45
Aug	1.41	1.11	1.87	1997	5	4.01	1976	.07	1973	7.4	3.8	.4	.1	.19	.30	.50	.70	.90	1.13	1.40	1.72	2.16	2.88	3.57
Sep	1.19	.91	3.00	1973	11	4.11	1973	.00	1977	5.6	3.0	.6	.1	.09	.22	.41	.58	.77	.96	1.19	1.47	1.84	2.45	3.03
Oct	.96	.91	1.10	1978	22	2.48	1998	.11	1988	4.8	2.6	.4	@	.21	.30	.44	.56	.69	.83	.98	1.16	1.40	1.79	2.15
Nov	.75	.65	1.31	1967	2	2.75	1983	.00	1984	4.8	2.7	.2	@	.06	.14	.26	.37	.49	.61	.75	.93	1.16	1.55	1.91
Dec	.58	.49	1.40	1955	3	1.75	1973	.00	1986	4.5	2.1	.2	.0	.04	.09	.19	.27	.36	.46	.57	.71	.90	1.21	1.51
Ann	15.43	14.96	3.89	Jun 1965	10	8.10	May 1971	.00+	Jan 1989	78.1	42.1	6.7	1.3	10.49	11.43	12.64	13.56	14.39	15.19	16.02	16.94	18.06	19.69	21.11

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: DOUBLE FOUR RANCH, WY

COOP ID: 482680

Climate Division: WY 8

NWS Call Sign:

Elevation: 6,199 Feet

Lat: 42° 11N

Lon: 105° 24W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	9.0	7.5	5	2	10.0	1984	14	24.2	1980	29	1984	14	22	1984	4.2	3.5	1.1	.4	@	16.5	10.3	7.3	3.5
Feb	9.0	8.0	4	2	12.0	1990	13	24.1	1993	27	1993	26	18	1993	3.8	3.4	.9	.4	.1	15.6	12.1	8.7	3.5
Mar	10.3	7.0	2	1	10.0	1983	18	37.0	1983	24	1993	1	12	1980	4.1	3.5	1.5	.6	.2	9.7	6.5	4.6	2.3
Apr	11.4	12.0	1	#	16.0	1984	20	33.5	1999	24	1983	4	7	1983	3.7	3.4	1.3	.7	.2	4.1	2.5	1.6	.8
May	3.6	.0	#	0	20.0	1983	17	28.0	1978	25	1978	7	3	1978	.9	.9	.5	.2	.1	.8	.5	.3	.1
Jun	.3	.0	#	0	4.0	1979	8	6.0	1979	4	1979	8	#	1979	.1	.1	@	.0	.0	.1	.1	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	1.7	.0	#	0	8.0	1974	12	15.0	2000	9	2000	23	1+	2000	.6	.4	.2	.2	.0	.5	.2	.2	.0
Oct	4.5	3.0	#	#	10.0	1975	23	19.0	1995	18	1995	23	2	1995	1.5	1.4	.5	.3	.1	1.8	1.0	.7	.2
Nov	10.8	9.3	2	1	22.0	1979	20	40.0	1983	25	1979	22	11	1979	4.0	3.4	1.4	.5	.1	10.4	7.5	4.4	1.0
Dec	12.3	9.8	4	2	16.0	1987	27	28.0	1987	23+	1985	11	18	1983	4.0	3.7	1.5	.5	.2	17.3	13.1	9.3	4.2
Ann	72.9	56.6	N/A	N/A	22.0	Nov 1979	20	40.0	Nov 1983	29	Jan 1984	14	22	Jan 1984	26.9	23.7	8.9	3.8	1.0	76.8	53.8	37.1	15.6

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States No. 20 1971-2000

Station: DOUBLE FOUR RANCH, WY

COOP ID: 482680

Climate Division: WY 8

NWS Call Sign:

Elevation: 6,199 Feet

Lat: 42° 11N

Lon: 105° 24W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	7/21	7/14	7/09	7/05	7/01	6/27	6/23	6/18	6/11
32	7/02	6/25	6/19	6/15	6/10	6/06	6/01	5/27	5/20
28	6/06	5/31	5/27	5/24	5/21	5/17	5/14	5/10	5/04
24	5/16	5/12	5/09	5/06	5/03	5/01	4/28	4/25	4/20
20	5/06	5/01	4/27	4/23	4/20	4/17	4/14	4/10	4/05
16	4/24	4/19	4/15	4/11	4/08	4/05	4/02	3/29	3/24
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/07	8/12	8/16	8/20	8/23	8/26	8/29	9/02	9/08
32	8/20	8/26	8/30	9/02	9/06	9/09	9/13	9/17	9/23
28	9/04	9/08	9/12	9/14	9/17	9/19	9/22	9/25	9/29
24	9/13	9/18	9/21	9/24	9/26	9/29	10/02	10/05	10/09
20	9/21	9/27	10/01	10/05	10/08	10/11	10/15	10/19	10/25
16	10/03	10/08	10/12	10/16	10/19	10/22	10/26	10/30	11/05
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	79	70	63	57	52	47	41	35	25
32	115	105	98	92	87	81	75	68	58
28	136	130	126	122	118	115	111	107	100
24	161	156	152	148	145	142	139	135	130
20	197	188	181	175	170	165	159	152	143
16	219	210	204	198	193	188	183	176	167

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: DOUBLE FOUR RANCH, WY

COOP ID: 482680

Climate Division: WY 8

NWS Call Sign:

Elevation: 6,199 Feet Lat: 42° 11N

Lon: 105° 24W

Degree Days to Selected Base Temperatures (°F)

Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1284	1066	973	736	489	222	87	109	338	661	986	1246	8197
60	1129	926	818	586	338	113	25	36	206	506	836	1091	6610
57	1036	842	725	497	253	66	9	15	140	413	746	998	5740
55	974	786	663	439	202	43	4	7	103	352	686	936	5195
50	819	646	508	301	99	10	0	1	37	209	541	781	3952
32	309	199	77	20	0	0	0	0	0	4	136	284	1029

Cooling Degree Days (1)

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	47	57	127	273	534	784	1001	961	656	366	140	61	5007
55	0	0	0	3	23	137	291	255	69	1	0	0	779
57	0	0	0	0	12	100	235	201	46	0	0	0	594
60	0	0	0	0	3	57	157	129	22	0	0	0	368
65	0	0	0	0	0	16	65	47	5	0	0	0	133
70	0	0	0	0	0	2	15	9	0	0	0	0	26

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	5	37	114	304	550	759	716	432	178	42	6	0	5	42	156	460	1010	1769	2485	2917	3095	3137	3143
45	0	0	8	45	173	404	604	561	290	81	12	0	0	0	8	53	226	630	1234	1795	2085	2166	2178	2178
50	0	0	0	9	73	261	449	406	169	25	0	0	0	0	0	9	82	343	792	1198	1367	1392	1392	1392
55	0	0	0	0	19	136	296	257	74	3	0	0	0	0	0	0	19	155	451	708	782	785	785	785
60	0	0	0	0	0	51	154	123	20	0	0	0	0	0	0	0	0	51	205	328	348	348	348	348
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	6	43	111	220	372	499	485	328	171	38	2	0	6	49	160	380	752	1251	1736	2064	2235	2273	2275

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20

1971-2000

Station: DUBOIS, WY

COOP ID: 482715

Climate Division: WY 9

NWS Call Sign:

Elevation: 6,960 Feet Lat: 43° 32N

Lon: 109° 38W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	32.4	11.2	21.8	60	1974	16	30.2	1981	-44+	1963	12	9.4	1979	1339	0	.0	.0	1.3	13.1	30.2	6.6
Feb	36.4	12.4	24.4	63	1988	27	31.8	1991	-35	1956	1	11.6	1989	1137	0	.0	.0	2.7	7.4	27.6	4.8
Mar	41.9	18.3	30.1	65+	1978	31	36.5	1986	-38+	1956	12	24.7	1976	1083	0	.0	.0	8.1	4.1	29.6	1.6
Apr	49.0	23.2	36.1	74+	1989	21	42.5	1987	-12+	1953	9	28.9	1975	866	0	.0	.0	16.1	1.3	25.8	.2
May	59.1	31.5	45.3	83+	1979	16	49.8	1994	3	1967	4	41.2	1983	610	0	.0	.0	26.2	.1	16.0	.0
Jun	70.1	38.6	54.4	93	1974	27	61.9	1988	20	1984	2	48.0	1998	327	8	.0	.2	29.4	.0	3.7	.0
Jul	78.1	43.3	60.7	100	1978	28	64.7	1988	22	1977	8	52.5	1993	165	31	@	.9	31.0	.0	.7	.0
Aug	77.4	42.2	59.8	95	1978	10	63.8	1971	25+	1965	30	55.9	1993	170	9	.0	.3	31.0	.0	1.6	.0
Sep	66.6	34.3	50.5	93	1978	6	55.8	1981	8+	1984	25	45.6	1985	437	1	.0	.1	27.7	.2	11.6	.0
Oct	55.4	27.3	41.4	85	1979	3	47.9	1988	-3	1972	31	34.0	1984	734	0	.0	.0	22.9	.8	24.6	.2
Nov	40.0	17.6	28.8	74	1956	14	38.1	1999	-26	1959	13	18.7	1985	1087	0	.0	.0	6.6	6.5	27.2	2.8
Dec	34.1	12.7	23.4	61	1958	4	33.4	1980	-49	1972	5	13.3	1990	1290	0	.0	.0	1.9	11.4	30.1	4.5
Ann	53.4	26.1	39.7	100	Jul 1978	28	64.7	Jul 1988	-49	Dec 1972	5	9.4	Jan 1979	9245	49	@	1.5	204.9	44.9	228.7	20.7

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20 1971-2000

Station: DUBOIS, WY

COOP ID: 482715

Climate Division: WY 9

NWS Call Sign:

Elevation: 6,960 Feet Lat: 43° 32N

Lon: 109° 38W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1)											
														Probability that the monthly/annual precipitation will be equal to or less than the indicated amount											
Means/Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels												
													These values were determined from the incomplete gamma distribution												
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95	
Jan	.28	.20	.60+	1956	27	1.15	1980	.00	1976	3.2	.9	.0	.0	.01	.04	.08	.12	.16	.21	.27	.34	.44	.60	.76	
Feb	.26	.17	.85	1994	25	1.14	1986	.00+	1980	3.7	1.1	@	.0	.00	.01	.04	.08	.12	.17	.23	.31	.42	.61	.81	
Mar	.43	.42	.60	1954	30	1.17	1998	.02	1978	5.4	1.6	.1	.0	.08	.12	.18	.24	.30	.36	.43	.52	.64	.83	1.01	
Apr	1.16	.90	1.55	1976	25	4.52	1999	.00	1974	6.7	2.8	.5	.1	.02	.09	.23	.39	.58	.79	1.06	1.40	1.88	2.70	3.52	
May	1.63	1.41	1.37	1999	31	3.76	1999	.74	1998	9.7	4.9	.8	.1	.60	.75	.97	1.15	1.33	1.51	1.70	1.93	2.22	2.66	3.07	
Jun	1.18	.97	1.95	1967	1	3.19	1993	.08	1996	7.7	3.3	.4	.1	.12	.21	.37	.53	.71	.91	1.15	1.45	1.85	2.52	3.17	
Jul	1.08	1.00	1.28	1958	25	2.54	1987	.22	1999	7.6	3.8	.4	.0	.24	.34	.49	.64	.78	.93	1.10	1.31	1.57	2.00	2.41	
Aug	.85	.76	.63+	1997	11	2.15	1972	.18	1988	8.3	3.2	.2	.0	.21	.29	.41	.52	.63	.75	.88	1.03	1.23	1.55	1.85	
Sep	1.20	1.03	1.61	1984	23	3.74	1982	.00	1987	6.3	3.5	.6	.1	.07	.19	.37	.55	.74	.94	1.19	1.49	1.89	2.56	3.21	
Oct	.64	.52	1.14	1949	18	2.24	1986	.06	1984	4.7	2.1	.3	.0	.05	.09	.18	.27	.37	.48	.61	.78	1.02	1.41	1.79	
Nov	.50	.38	.59	1955	11	1.90	1990	.03+	1982	4.5	1.6	.2	.0	.03	.07	.13	.20	.27	.36	.47	.60	.79	1.11	1.43	
Dec	.29	.19	.50	1987	3	1.20	1996	.00+	1986	3.4	1.0	@	.0	.00	.01	.04	.08	.13	.19	.26	.35	.48	.71	.94	
Ann	9.50	9.15	1.95	Jun 1967	1	4.52	Apr 1999	.00+	Sep 1987	71.2	29.8	3.5	.4	5.35	6.08	7.06	7.82	8.52	9.21	9.94	10.75	11.77	13.27	14.60	

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: DUBOIS, WY

COOP ID: 482715

Climate Division: WY 9

NWS Call Sign:

Elevation: 6,960 Feet

Lat: 43° 32N

Lon: 109° 38W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	3.4	2.3	1	1	4.0	1991	25	11.0	1996	5+	1997	13	2	1997	3.1	1.5	.3	.0	.0	6.4	1.9	.1	.0
Feb	4.5	3.0	#	#	6.0	1986	20	19.0	1986	5+	1996	28	1	1997	2.7	1.7	.4	.1	.0	2.9	.9	.2	.0
Mar	5.2	5.0	#	#	5.0	1998	29	15.5	1998	11	1998	30	3	1998	3.3	1.8	.4	.1	.0	3.0	.6	.2	.1
Apr	7.9	4.1	#	#	10.0	1986	9	36.2	1995	14	1999	25	4	1999	3.9	2.7	.8	.4	@	3.0	1.9	.7	.3
May	2.7	1.0	#	0	8.0	1986	7	14.7	1986	5	1999	15	#+	2000	1.0	.7	.3	.2	.0	.5	.3	@	.0
Jun	.5	.0	#	0	4.5	1993	4	6.0	1998	3	1998	4	#+	2000	.2	.2	.1	.0	.0	.1	@	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	2.6	.3	#	0	16.0	1984	23	22.5	1984	14	1984	24	2	1984	.9	.6	.3	.1	.1	.6	.4	.2	.1
Oct	2.1	1.0	#	0	7.0	1997	24	8.6	1986	7+	1997	24	1	1998	1.3	.7	.2	@	.0	.5	.2	.1	.0
Nov	5.1	3.8	#	#	8.0	1988	14	14.6	1985	5	1996	18	2	1998	3.5	2.0	.6	.1	.0	4.7	2.4	.2	.0
Dec	4.6	3.3	1	#	7.0	1992	4	15.5	1996	10	1972	4	4	1972	4.1	2.0	.6	.2	.0	8.4	3.4	1.7	.0
Ann	38.6	23.8	N/A	N/A	16.0	Sep 1984	23	36.2	Apr 1995	14+	Apr 1999	25	4+	Apr 1999	24.0	13.9	4.0	1.2	.1	30.1	12.0	3.4	.5

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: DUBOIS, WY

COOP ID: 482715

Climate Division: WY 9

NWS Call Sign:

Elevation: 6,960 Feet

Lat: 43° 32N

Lon: 109° 38W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	7/30	7/23	7/19	7/15	7/11	7/08	7/04	6/29	6/23
32	7/14	7/07	7/02	6/28	6/24	6/20	6/16	6/11	6/04
28	6/24	6/17	6/11	6/06	6/01	5/28	5/23	5/17	5/09
24	6/05	5/30	5/25	5/21	5/17	5/13	5/09	5/04	4/27
20	5/18	5/13	5/09	5/06	5/03	4/29	4/26	4/22	4/17
16	5/03	4/28	4/25	4/22	4/19	4/17	4/14	4/10	4/06
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	7/31	8/05	8/09	8/12	8/15	8/18	8/21	8/25	8/30
32	8/11	8/18	8/22	8/26	8/30	9/02	9/06	9/11	9/17
28	8/27	9/01	9/05	9/09	9/12	9/15	9/18	9/22	9/27
24	9/11	9/16	9/20	9/23	9/26	9/29	10/03	10/06	10/12
20	9/19	9/24	9/28	10/01	10/04	10/07	10/10	10/14	10/19
16	9/24	9/30	10/05	10/09	10/13	10/16	10/20	10/25	10/31
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	61	52	45	39	34	29	23	16	7
32	94	85	78	72	66	61	55	48	38
28	129	120	113	107	101	96	90	83	74
24	161	151	144	137	132	126	120	113	103
20	177	169	163	158	154	149	144	139	131
16	201	192	186	181	176	170	165	159	150

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: DUBOIS, WY

COOP ID: 482715

Climate Division: WY 9

NWS Call Sign:

Elevation: 6,960 Feet Lat: 43° 32N

Lon: 109° 38W

Degree Days to Selected Base Temperatures (°F)

Base	Heating Degree Days (1)												
	Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
65	1339	1137	1083	866	610	327	165	170	437	734	1087	1290	9245
60	1184	997	928	716	456	200	76	63	296	579	937	1135	7567
57	1091	913	835	626	365	138	39	27	219	487	847	1042	6629
55	1029	857	773	566	306	103	23	14	174	426	787	980	6038
50	874	717	618	420	175	40	5	2	86	282	637	825	4681
32	347	251	141	53	2	0	0	0	0	13	181	318	1306

Base	Cooling Degree Days (1)												
	Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
32	30	38	81	177	414	671	889	862	553	302	84	51	4152
55	0	0	0	0	5	84	199	163	38	2	0	0	491
57	0	0	0	0	2	59	153	114	23	1	0	0	352
60	0	0	0	0	0	31	97	57	9	0	0	0	194
65	0	0	0	0	0	8	31	9	1	0	0	0	49
70	0	0	0	0	0	1	7	0	0	0	0	0	8

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	15	66	219	448	653	615	343	137	25	0	0	0	15	81	300	748	1401	2016	2359	2496	2521	2521
45	0	0	0	20	109	305	498	461	216	57	4	0	0	0	0	20	129	434	932	1393	1609	1666	1670	1670
50	0	0	0	1	37	177	346	308	106	13	0	0	0	0	0	1	38	215	561	869	975	988	988	988
55	0	0	0	0	5	81	201	163	34	0	0	0	0	0	0	0	5	86	287	450	484	484	484	484
60	0	0	0	0	0	25	81	55	5	0	0	0	0	0	0	0	0	25	106	161	166	166	166	166
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	2	21	72	175	316	456	435	270	141	23	0	0	2	23	95	270	586	1042	1477	1747	1888	1911	1911

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20

1971-2000

Station: DULL CENTER 1 SE, WY

COOP ID: 482725

Climate Division: WY 7

NWS Call Sign:

Elevation: 4,415 Feet Lat: 43° 25N

Lon: 104° 58W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	34.8	10.8	22.8	68	1981	23	32.0	1992	-47	1963	13	6.8	1979	1309	0	.0	.0	3.6	10.8	29.4	7.5
Feb	40.5	15.9	28.2	71	1982	21	37.2	1991	-35	1996	2	13.2	1989	1031	0	.0	.0	7.9	7.1	25.8	4.0
Mar	49.4	22.8	36.1	77	1978	30	42.7	1986	-28	1960	3	30.1	1996	896	0	.0	.0	16.5	3.3	26.5	1.1
Apr	58.7	30.9	44.8	87+	1989	22	50.8	1987	-9	1966	20	37.6	1997	607	0	.0	.0	22.9	.6	17.1	@
May	69.0	40.4	54.7	96	1969	27	61.0	1994	12	1953	12	50.1	1983	330	9	.0	.3	29.6	.0	4.4	.0
Jun	80.8	48.8	64.8	106	1988	24	74.7	1988	28	1951	2	58.5	1998	115	109	.6	6.1	29.9	.0	.2	.0
Jul	89.3	54.6	72.0	109	1954	12	75.6	1983	29	1971	22	66.0+	1993	18	234	2.5	16.4	31.0	.0	@	.0
Aug	88.4	53.5	71.0	107	1979	5	77.2	1983	33	1964	25	66.4	1974	25	209	1.1	15.3	31.0	.0	.0	.0
Sep	77.0	42.9	60.0	103	1978	6	66.5	1998	10	1961	30	55.8	1974	195	44	.1	4.1	29.3	.0	3.3	.0
Oct	63.1	32.1	47.6	89+	1963	4	50.9	1979	-8	1991	31	44.0	1976	539	0	.0	.0	26.2	.5	14.1	.1
Nov	45.3	20.9	33.1	78	2001	4	44.4	1999	-24	1955	16	15.7	1985	957	0	.0	.0	11.8	5.3	25.5	1.6
Dec	36.4	12.2	24.3	69	1976	17	33.1	1980	-42	1990	22	6.2	1983	1262	0	.0	.0	5.1	10.6	29.2	5.4
Ann	61.1	32.2	46.6	109	Jul 1954	12	77.2	Aug 1983	-47	Jan 1963	13	6.2	Dec 1983	7284	605	4.3	42.2	244.8	38.2	175.5	19.7

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Climatology of the United States

No. 20 1971-2000

Station: DULL CENTER 1 SE, WY

COOP ID: 482725

Climate Division: WY 7

NWS Call Sign:

Elevation: 4,415 Feet Lat: 43°25N

Lon: 104°58W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1)										
														Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
Means/Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels											
													These values were determined from the incomplete gamma distribution											
Month	Mean	Median	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	.24	.20	.75	1953	15	.79	1978	.00+	1989	3.5	.7	.0	.0	.00	.03	.07	.11	.15	.19	.24	.30	.38	.51	.64
Feb	.42	.29	1.25	1953	9	1.33	1998	.00+	1983	3.8	1.5	.1	@	.00	.03	.09	.15	.22	.30	.40	.52	.68	.96	1.23
Mar	.74	.68	1.58	1990	6	2.08	1998	.00	1974	5.1	2.3	.2	.1	.10	.19	.31	.42	.52	.64	.76	.91	1.11	1.42	1.71
Apr	1.67	1.39	2.22	2000	19	3.99	1971	.16	1987	7.7	4.2	1.0	.2	.33	.48	.72	.95	1.17	1.42	1.70	2.03	2.48	3.19	3.87
May	2.33	2.00	3.20	1952	22	6.93	1978	.48	1973	9.4	5.2	1.4	.3	.52	.74	1.08	1.39	1.70	2.02	2.39	2.83	3.41	4.33	5.19
Jun	2.10	1.37	3.24	1999	10	7.92	1999	.50	1988	8.4	4.8	1.1	.3	.37	.55	.86	1.14	1.44	1.76	2.12	2.56	3.15	4.09	5.00
Jul	1.68	1.41	2.22	1997	28	4.94	1997	.31	1989	6.7	4.0	.9	.4	.38	.53	.78	1.00	1.22	1.46	1.72	2.04	2.46	3.12	3.74
Aug	1.28	1.19	1.53	1980	15	3.06	1972	.00	1975	5.0	3.0	.8	.2	.11	.26	.47	.65	.85	1.05	1.29	1.58	1.97	2.60	3.20
Sep	1.04	.77	1.67	1963	1	3.59	1973	.13	1991	5.0	2.9	.6	.1	.09	.16	.30	.45	.60	.78	1.00	1.26	1.63	2.24	2.85
Oct	1.00	.77	1.73	1993	8	4.38	1998	.10	1988	4.5	2.7	.6	.1	.11	.18	.32	.46	.61	.78	.98	1.22	1.56	2.12	2.66
Nov	.58	.59	.85	2000	1	2.00	1983	.01	1981	4.1	1.9	.2	.0	.07	.12	.20	.28	.36	.46	.57	.71	.89	1.20	1.49
Dec	.36	.31	.58	1992	12	1.55	1992	.00+	1986	3.9	1.4	@	.0	.00	.04	.11	.16	.22	.29	.36	.45	.57	.77	.96
Ann	13.44	13.39	3.24	Jun 1999	10	7.92	Jun 1999	.00+	Jan 1989	67.1	34.6	6.9	1.7	8.17	9.13	10.39	11.37	12.26	13.13	14.04	15.05	16.31	18.15	19.77

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: DULL CENTER 1 SE, WY

COOP ID: 482725

Climate Division: WY 7

NWS Call Sign:

Elevation: 4,415 Feet

Lat: 43° 25N

Lon: 104° 58W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	5.6	5.2	2	1	7.0	1974	21	13.5	1972	14	1984	2	12	1979	4.7	2.3	.3	.1	.0	16.0	10.2	5.5	1.1
Feb	6.9	6.3	2	1	8.0	1998	25	16.0+	1987	13	1979	5	8	1979	3.5	2.3	.8	.3	.0	9.3	5.7	3.1	.5
Mar	8.9	7.2	1	1	13.3	1990	6	26.8	1998	14	1990	6	6	1985	4.0	3.0	1.1	.5	.1	6.2	2.9	1.3	.2
Apr	8.7	8.4	#	#	9.0	1973	30	31.0	1984	18	1984	27	3	1997	2.7	2.2	1.3	.5	.0	2.7	1.3	.7	.1
May	1.2	.0	#	0	12.0	1978	7	12.0	1978	4	1976	30	#+	1991	.3	.3	.2	.1	@	.1	@	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.6	.0	#	0	7.0	2000	23	9.0	2000	6	2000	23	#+	2000	.3	.2	.1	@	.0	.1	@	@	.0
Oct	3.8	2.0	#	#	14.0	1993	8	15.4	1993	13	1993	8	1	1995	1.3	1.1	.4	.3	@	1.5	.7	.3	.1
Nov	6.4	4.4	1	1	11.0	1977	19	29.5	1983	14	1985	30	5	1985	3.4	2.1	1.0	.3	.1	6.8	4.5	2.8	.7
Dec	7.9	7.0	2	1	10.5	1978	25	27.7	1978	19	1983	27	15	1983	4.8	2.3	1.0	.1	@	12.8	8.0	4.4	1.0
Ann	50.0	40.5	N/A	N/A	14.0	Oct 1993	8	31.0	Apr 1984	19	Dec 1983	27	15	Dec 1983	25.0	15.8	6.2	2.2	.2	55.5	33.3	18.1	3.7

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: DULL CENTER 1 SE, WY

COOP ID: 482725

Climate Division: WY 7

NWS Call Sign:

Elevation: 4,415 Feet

Lat: 43° 25N

Lon: 104° 58W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/21	6/13	6/08	6/04	5/30	5/26	5/21	5/16	5/09
32	6/13	6/05	5/31	5/26	5/21	5/17	5/12	5/06	4/28
28	5/15	5/11	5/08	5/06	5/04	5/02	4/30	4/27	4/24
24	5/02	4/28	4/25	4/22	4/20	4/17	4/15	4/12	4/07
20	4/27	4/21	4/17	4/14	4/11	4/08	4/05	4/01	3/26
16	4/23	4/16	4/12	4/08	4/05	4/01	3/28	3/24	3/18
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/07	9/10	9/12	9/14	9/16	9/18	9/20	9/22	9/25
32	9/08	9/12	9/15	9/18	9/20	9/22	9/25	9/27	10/01
28	9/16	9/20	9/23	9/26	9/29	10/01	10/04	10/07	10/11
24	9/21	9/27	10/01	10/05	10/08	10/11	10/15	10/19	10/25
20	9/29	10/05	10/09	10/13	10/16	10/19	10/23	10/27	11/02
16	10/12	10/17	10/21	10/24	10/28	10/31	11/03	11/07	11/12
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	133	124	118	113	108	103	98	92	83
32	149	140	133	127	121	115	109	103	93
28	163	158	154	150	147	143	140	136	130
24	190	184	179	174	170	167	162	157	151
20	211	203	197	192	187	183	177	172	163
16	231	222	216	210	205	200	195	188	180

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: DULL CENTER 1 SE, WY

COOP ID: 482725

Climate Division: WY 7

NWS Call Sign:

Elevation: 4,415 Feet Lat: 43° 25N

Lon: 104° 58W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1309	1031	896	607	330	115	18	25	195	539	957	1262	7284
60	1154	891	741	461	201	52	3	5	101	385	807	1107	5908
57	1061	807	648	376	138	28	1	2	60	295	720	1014	5150
55	999	751	586	322	103	18	0	1	40	238	665	952	4675
50	848	621	435	203	41	5	0	0	10	120	526	803	3612
32	367	224	59	8	0	0	0	0	0	2	157	333	1150

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	81	116	185	391	702	984	1239	1207	839	486	190	94	6514
55	0	0	0	15	92	312	526	495	189	9	8	0	1646
57	0	0	0	9	65	263	465	434	149	4	3	0	1392
60	0	0	0	4	35	196	375	344	100	1	0	0	1055
65	0	0	0	0	9	109	234	209	44	0	0	0	605
70	0	0	0	0	2	49	123	104	14	0	0	0	292

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	8	25	79	207	470	757	1006	975	618	288	63	16	8	33	112	319	789	1546	2552	3527	4145	4433	4496	4512
45	0	4	32	116	328	609	851	820	472	171	24	4	0	4	36	152	480	1089	1940	2760	3232	3403	3427	3431
50	0	0	8	51	195	460	696	665	338	82	5	0	0	0	8	59	254	714	1410	2075	2413	2495	2500	2500
55	0	0	0	17	101	319	542	510	215	29	0	0	0	0	0	17	118	437	979	1489	1704	1733	1733	1733
60	0	0	0	3	39	191	388	357	117	6	0	0	0	0	0	3	42	233	621	978	1095	1101	1101	1101
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	5	30	83	170	309	475	623	605	412	232	56	12	5	35	118	288	597	1072	1695	2300	2712	2944	3000	3012

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20

1971-2000

Station: ECHETA 2 NW, WY

COOP ID: 482881

Climate Division: WY 5

NWS Call Sign:

Elevation: 4,000 Feet Lat: 44° 29N

Lon: 105° 54W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	32.4	7.3	19.9	67	1981	23	32.7	1981	-42+	1997	11	-2.8	1979	1399	0	.0	.0	2.6	12.5	30.6	9.9
Feb	39.4	13.5	26.5	70+	1995	24	35.1	1999	-42	1989	3	12.3	1989	1081	0	.0	.0	6.9	7.9	27.8	5.5
Mar	48.7	21.7	35.2	78	1986	27	43.6	1986	-30	1978	3	27.4	1996	925	0	.0	.0	15.7	3.4	28.2	1.6
Apr	58.7	29.7	44.2	88+	1989	21	51.0	1987	0+	1997	12	37.9	1997	625	0	.0	.0	22.9	.8	19.4	.1
May	68.2	39.1	53.7	97	1969	27	59.0	1994	12	1967	4	49.2	1996	357	6	.0	.3	29.2	.0	5.9	.0
Jun	79.3	48.0	63.7	106	1983	23	74.9	1988	26	1969	14	57.7	1998	133	92	.7	4.7	29.8	.0	.3	.0
Jul	87.3	53.9	70.6	111	1981	6	75.3	1983	34+	1983	16	63.0	1993	39	213	2.1	14.1	31.0	.0	.0	.0
Aug	86.4	52.3	69.4	106+	1979	5	78.4	1983	28	1966	22	63.3+	1977	62	196	1.3	14.1	31.0	.0	@	.0
Sep	74.2	41.3	57.8	102	1978	5	65.6	1998	10+	1984	25	50.7	1984	255	37	.1	3.2	29.1	.1	4.5	.0
Oct	60.8	31.0	45.9	90+	1992	1	50.0	1973	-19	1991	30	40.9	1984	591	0	.0	.1	26.1	.6	17.7	.1
Nov	43.0	18.5	30.8	78	1999	7	42.6	1999	-34	1975	30	15.4	1985	1028	0	.0	.0	11.0	5.8	27.5	2.8
Dec	34.1	9.1	21.6	68	1979	5	32.1	1980	-54	1983	24	2.1	1983	1346	0	.0	.0	3.7	11.8	30.3	7.7
Ann	59.4	30.5	44.9	111	Jul 1981	6	78.4	Aug 1983	-54	Dec 1983	24	-2.8	Jan 1979	7841	544	4.2	36.5	239.0	42.9	192.2	27.7

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1949-2001

(3) Derived from 1971-2000 serially complete daily data

Climatology of the United States

No. 20 1971-2000

Station: ECHETA 2 NW, WY

COOP ID: 482881

Climate Division: WY 5

NWS Call Sign:

Elevation: 4,000 Feet Lat: 44°29N

Lon: 105°54W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
		Means/Medians(1)		Extremes						Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Median	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	.54	.40	.69	1975	18	1.22	1971	.00+	1992	4.5	2.3	.1	.0	.00	.14	.25	.33	.41	.49	.57	.67	.80	1.01	1.19
Feb	.55	.55	.75	1991	17	1.75	1980	.00	1974	3.3	2.2	.1	.0	.03	.07	.15	.23	.32	.42	.53	.67	.87	1.19	1.50
Mar	.98	.78	1.10	1973	14	2.35	1998	.19	1979	5.3	3.5	.4	.1	.20	.29	.43	.57	.70	.84	1.00	1.19	1.45	1.85	2.24
Apr	2.21	1.89	2.90	1967	30	4.59	1984	.48	1987	7.2	6.1	1.4	.3	.54	.75	1.07	1.36	1.64	1.94	2.27	2.67	3.19	4.01	4.78
May	2.93	2.46	2.25	1978	18	11.26	1978	.68	1973	8.2	7.2	1.9	.7	.71	.98	1.41	1.79	2.17	2.57	3.01	3.54	4.24	5.34	6.38
Jun	2.38	1.97	2.81	1970	12	6.25	1975	.22	1971	6.9	5.5	1.6	.4	.33	.52	.86	1.19	1.54	1.92	2.37	2.91	3.65	4.85	6.01
Jul	1.36	1.18	1.55	1974	17	4.29	1987	.15	1988	4.9	3.7	.8	.2	.22	.34	.53	.72	.91	1.12	1.36	1.65	2.05	2.68	3.29
Aug	1.15	.82	2.35	1980	15	5.61	1980	.00+	1981	4.9	2.9	.7	.2	.00	.07	.23	.41	.60	.82	1.08	1.41	1.88	2.66	3.43
Sep	1.40	1.06	1.98	1998	13	6.32	1986	.00	1975	4.4	3.5	.9	.2	.11	.26	.48	.69	.90	1.13	1.40	1.73	2.17	2.88	3.57
Oct	1.62	1.25	1.75	1996	26	4.70	1982	.00+	1999	4.6	4.0	1.1	.3	.00	.23	.54	.80	1.06	1.33	1.65	2.02	2.52	3.34	4.13
Nov	.83	.71	1.12	1987	2	2.11	1986	.00	1997	4.6	3.3	.2	@	.16	.27	.41	.52	.63	.75	.87	1.02	1.20	1.50	1.77
Dec	.56	.47	.75+	1983	4	1.69	1989	.00	1986	5.0	2.4	.1	.0	.05	.11	.20	.28	.37	.46	.56	.69	.86	1.13	1.40
Ann	16.51	15.91	2.90	Apr 1967	30	11.26	May 1978	.00+	Oct 1999	63.8	46.6	9.3	2.4	10.30	11.44	12.93	14.08	15.12	16.14	17.20	18.39	19.84	21.98	23.86

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1949-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: ECHETA 2 NW, WY

COOP ID: 482881

Climate Division: WY 5

NWS Call Sign:

Elevation: 4,000 Feet

Lat: 44° 29N

Lon: 105° 54W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall ≥ Thresholds					Snow Depth ≥ Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	8.7	8.0	7	6	11.0	1997	9	21.5	1977	26	1977	19	18	1977	3.6	3.4	1.1	.2	@	-9.9	-9.9	-9.9	-9.9
Feb	8.2	7.0	4	1	12.0	1977	23	32.0	1971	26	1979	1	26	1979	2.8	2.8	1.1	.3	@	5.5	4.5	2.6	.7
Mar	12.0	11.5	2	1	12.0	1996	23	33.1	1996	20	1977	30	6	1996	4.0	3.7	1.7	.7	@	-9.9	-9.9	-9.9	-9.9
Apr	7.0	4.5	1	#	19.0	1997	5	34.0	1999	19	1997	5	6	1997	1.9	1.9	.9	.6	.2	2.2	1.5	1.0	.7
May	1.4	.0	#	0	8.0	1986	9	13.0	1986	11	1986	9	1	1986	.4	.4	.2	.1	.0	.1	.1	@	@
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.8	.0	#	0	8.0	1984	24	14.0	1984	10	1984	24	#+	2000	.2	.2	.1	.1	.0	@	.0	.0	.0
Oct	3.1	.0	#	0	8.0	1973	10	16.0	1971	15	1996	26	2	1996	1.0	1.0	.5	.2	.0	.6	.4	.2	.0
Nov	8.5	8.0	1	#	8.0	1986	7	23.0	1986	15	1976	29	5	2000	3.0	2.8	1.1	.2	.0	6.3	5.2	2.4	.1
Dec	12.2	11.0	4	1	10.0	1983	4	32.3	1989	24	1989	21	15	1983	4.0	3.9	1.1	.3	.1	8.5	6.8	6.0	3.5
Ann	61.9	50.0	N/A	N/A	19.0	Apr 1997	5	34.0	Apr 1999	26+	Feb 1979	1	26	Feb 1979	20.9	20.1	7.8	2.7	.3	-9.9	-9.9	-9.9	-9.9

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: ECHETA 2 NW, WY

COOP ID: 482881

Climate Division: WY 5

NWS Call Sign:

Elevation: 4,000 Feet

Lat: 44° 29N

Lon: 105° 54W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	7/02	6/25	6/20	6/16	6/12	6/08	6/04	5/30	5/23
32	6/03	5/30	5/27	5/25	5/22	5/20	5/17	5/14	5/10
28	5/21	5/17	5/14	5/11	5/09	5/07	5/04	5/01	4/27
24	5/13	5/08	5/04	5/01	4/27	4/24	4/21	4/17	4/12
20	4/30	4/24	4/21	4/17	4/14	4/11	4/08	4/04	3/30
16	4/20	4/14	4/10	4/07	4/04	4/01	3/28	3/24	3/19
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/20	8/26	8/30	9/03	9/07	9/10	9/14	9/18	9/24
32	9/07	9/11	9/14	9/16	9/18	9/21	9/23	9/26	9/30
28	9/12	9/16	9/19	9/21	9/24	9/26	9/28	10/01	10/05
24	9/14	9/20	9/25	9/29	10/03	10/07	10/11	10/16	10/22
20	9/19	9/26	10/01	10/06	10/10	10/14	10/19	10/24	10/31
16	10/09	10/15	10/19	10/23	10/26	10/29	11/02	11/06	11/12
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	112	103	96	91	86	80	75	69	60
32	134	129	125	121	118	115	112	108	103
28	156	149	144	140	137	133	129	124	118
24	184	175	169	163	158	153	147	141	132
20	204	195	189	183	178	173	168	161	153
16	226	219	213	209	205	200	196	190	183

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: ECHETA 2 NW, WY

COOP ID: 482881

Climate Division: WY 5

NWS Call Sign:

Elevation: 4,000 Feet

Lat: 44° 29N

Lon: 105° 54W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1399	1081	925	625	357	133	39	62	255	591	1028	1346	7841
60	1244	941	770	477	222	63	12	24	152	437	878	1191	6411
57	1151	857	677	392	154	35	4	12	102	347	788	1098	5617
55	1089	801	615	337	116	23	2	7	75	289	728	1036	5118
50	947	673	466	213	47	6	0	1	28	165	590	891	4027
32	464	268	78	8	0	0	0	0	0	5	188	407	1418

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	88	112	176	373	672	948	1197	1157	772	436	150	84	6165
55	0	0	0	12	75	281	485	451	158	8	0	0	1470
57	0	0	0	7	51	234	426	395	124	4	0	0	1241
60	0	0	0	2	26	172	341	313	84	1	0	0	939
65	0	0	0	0	6	92	213	196	37	0	0	0	544
70	0	0	0	0	1	39	118	109	13	0	0	0	280

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	13	65	192	438	721	954	941	566	261	44	5	0	13	78	270	708	1429	2383	3324	3890	4151	4195	4200
45	0	0	26	102	296	571	799	786	427	150	17	0	0	0	26	128	424	995	1794	2580	3007	3157	3174	3174
50	0	0	4	43	180	424	644	632	293	75	1	0	0	0	4	47	227	651	1295	1927	2220	2295	2296	2296
55	0	0	0	13	88	286	490	477	175	25	0	0	0	0	0	13	101	387	877	1354	1529	1554	1554	1554
60	0	0	0	2	33	168	341	328	89	4	0	0	0	0	0	2	35	203	544	872	961	965	965	965
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	23	76	170	297	453	591	594	391	224	55	8	0	23	99	269	566	1019	1610	2204	2595	2819	2874	2882

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20

1971-2000

Station: ELK MOUNTAIN, WY

COOP ID: 482995

Climate Division: WY10

NWS Call Sign:

Elevation: 7,265 Feet Lat: 41° 41N

Lon: 106° 25W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	31.1	13.0	22.1	59	1959	12	29.6	1986	-42	1963	12	10.0	1979	1331	0	.0	.0	.5	14.7	29.7	4.0
Feb	34.1	15.4	24.8	60	1963	6	31.3	2000	-34	1973	8	15.5	1989	1127	0	.0	.0	1.3	10.0	27.2	3.3
Mar	40.5	21.2	30.9	71	1966	30	38.4	1986	-26	1965	25	24.7	1985	1059	0	.0	.0	6.3	5.1	27.9	.8
Apr	48.8	26.5	37.7	75+	1987	28	45.5	1981	-7	1966	20	30.7	1984	821	0	.0	.0	15.6	1.9	22.6	.2
May	59.7	34.7	47.2	84	1954	20	52.3	1987	10	1955	3	42.0	1995	551	0	.0	.0	26.2	.0	10.9	.0
Jun	71.5	42.8	57.2	95	1963	30	62.7	1977	18	1955	4	51.2	1998	248	13	.0	.0	29.4	.0	1.7	.0
Jul	78.7	47.9	63.3	94	1954	12	67.8	2000	28	1968	1	57.7	1993	99	46	.0	.4	31.0	.0	.0	.0
Aug	76.6	46.6	61.6	93	2000	10	65.7	1982	24+	1964	25	57.6	1985	131	26	.0	.2	31.0	.0	.1	.0
Sep	67.2	38.5	52.9	89+	1998	5	58.9	1998	6	1985	30	48.4	1984	367	3	.0	.0	28.3	.1	6.7	.0
Oct	55.2	30.5	42.9	81	1957	1	47.7	1988	-11	1969	13	34.5	1984	687	0	.0	.0	22.3	.9	18.1	.1
Nov	39.8	20.7	30.3	67+	1999	15	40.3	1999	-19	1976	27	21.7	2000	1042	0	.0	.0	7.4	7.1	25.5	1.3
Dec	33.1	14.6	23.9	58+	1980	28	36.1	1980	-35	1990	21	10.8	1983	1275	0	.0	.0	1.7	13.2	29.0	3.2
Ann	53.0	29.4	41.2	95	Jun 1963	30	67.8	Jul 2000	-42	Jan 1963	12	10.0	Jan 1979	8738	88	.0	.6	201.0	53.0	199.4	12.9

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20 1971-2000

Station: ELK MOUNTAIN, WY

COOP ID: 482995

Climate Division: WY10

NWS Call Sign:

Elevation: 7,265 Feet Lat: 41° 41N

Lon: 106° 25W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1)											
														Probability that the monthly/annual precipitation will be equal to or less than the indicated amount											
Means/Medians(1)		Extremes								Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels											
														These values were determined from the incomplete gamma distribution											
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95	
Jan	.70	.62	2.10	1994	6	2.53	1994	.00	1989	6.3	2.6	.1	@	.02	.07	.17	.27	.39	.51	.67	.86	1.13	1.58	2.02	
Feb	.70	.68	.83	1989	2	2.36	1989	.06	1988	5.8	2.4	.1	.0	.12	.18	.28	.38	.48	.58	.70	.85	1.05	1.37	1.68	
Mar	1.09	1.00	1.36	1957	31	2.22	1990	.11	1986	7.2	3.2	.3	.1	.28	.38	.54	.68	.82	.96	1.12	1.31	1.56	1.96	2.33	
Apr	1.47	1.43	1.56	1968	3	3.59	1971	.05	1987	8.8	4.2	.5	@	.13	.23	.42	.63	.85	1.11	1.41	1.79	2.32	3.20	4.07	
May	1.93	1.81	2.40	1991	16	7.56	1995	.04	1986	7.9	4.4	.9	.4	.15	.28	.54	.80	1.10	1.43	1.84	2.34	3.05	4.22	5.38	
Jun	.97	.69	3.25	1986	10	3.78	1986	.02	1977	4.8	2.7	.4	.1	.04	.08	.18	.31	.46	.63	.86	1.15	1.57	2.29	3.02	
Jul	.95	.62	1.93	1987	26	3.83	1973	.03	1986	5.5	2.3	.5	.1	.04	.08	.19	.31	.45	.63	.85	1.13	1.54	2.24	2.94	
Aug	.93	.75	1.01+	1992	17	3.50	1997	.14	1985	5.6	2.7	.4	.1	.12	.20	.33	.46	.60	.75	.92	1.14	1.43	1.90	2.36	
Sep	1.01	.92	1.52	1965	16	3.36	1997	.05	1986	4.3	2.7	.6	.1	.08	.15	.28	.42	.57	.75	.96	1.22	1.59	2.21	2.82	
Oct	.94	.86	1.27	1998	17	3.53	1972	.00	1989	4.8	2.6	.4	.2	.02	.09	.21	.34	.49	.67	.88	1.14	1.52	2.15	2.78	
Nov	1.00	.80	1.51	1990	6	3.36	1983	.13	1997	6.5	2.7	.4	.1	.13	.21	.36	.50	.64	.80	.99	1.22	1.53	2.04	2.53	
Dec	.83	.68	1.60	1992	13	2.37	1978	.02	1991	6.1	2.5	.2	@	.05	.09	.19	.31	.43	.58	.77	1.00	1.33	1.89	2.44	
Ann	12.52	12.74	3.25	Jun 1986	10	7.56	May 1995	.00+	Oct 1989	73.6	35.0	4.8	1.2	6.20	7.26	8.70	9.85	10.92	11.98	13.11	14.39	16.00	18.41	20.57	

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: ELK MOUNTAIN, WY

COOP ID: 482995

Climate Division: WY10

NWS Call Sign:

Elevation: 7,265 Feet

Lat: 41° 41N

Lon: 106° 25W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	11.5	9.0	5	2	12.0	1996	5	37.8	1980	28	1999	31	18	1979	5.2	4.6	1.3	.5	@	24.5	11.0	8.5	4.2
Feb	11.2	10.5	5	2	12.0	1989	2	26.5	1976	23	1979	9	18+	1982	5.0	4.3	1.2	.4	.1	22.5	9.1	6.8	3.4
Mar	13.8	12.5	3	1	16.0	1997	15	35.0	1980	22	1973	14	15	1973	5.5	5.0	1.5	.5	.1	16.7	7.4	4.6	2.0
Apr	11.4	10.0	1	1	15.0	1973	19	43.1	1973	25	1973	20	10	1973	4.6	4.3	1.5	.4	.1	5.6	2.6	.8	@
May	4.9	2.0	#	#	14.0	1988	2	32.0	1978	14	1988	2	2	1995	1.4	1.2	.6	.2	.2	1.4	.7	.3	.2
Jun	.6	.0	#	0	8.0	1974	8	13.0	1974	5	1974	8	#+	1995	.1	.1	.1	.1	.0	.1	.1	@	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	1.1	.0	#	0	9.0	1974	12	9.0	1974	9+	2000	23	1	2000	.4	.4	.1	.1	.0	.3	.1	.1	.0
Oct	5.9	4.0	1	#	20.0	1997	25	22.0+	1997	20	1997	25	8	1998	1.9	1.7	.7	.3	.1	2.3	1.1	.6	.2
Nov	11.5	12.0	1	1	15.0	1979	21	35.0	1979	20	1979	22	7	1979	4.9	4.3	1.7	.4	.1	12.0	4.6	1.8	.4
Dec	12.1	8.5	3	2	16.0	1987	27	47.7	1978	22	1978	30	16	1978	5.2	4.9	1.4	.6	.1	18.3	6.1	3.4	1.0
Ann	84.0	68.5	N/A	N/A	20.0	Oct 1997	25	47.7	Dec 1978	28	Jan 1999	31	18+	Feb 1982	34.2	30.8	10.1	3.5	.8	103.7	42.8	26.9	11.4

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: ELK MOUNTAIN, WY

COOP ID: 482995

Climate Division: WY10

NWS Call Sign:

Elevation: 7,265 Feet

Lat: 41° 41N

Lon: 106° 25W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	7/12	7/06	7/01	6/27	6/23	6/20	6/16	6/11	6/04
32	6/20	6/14	6/10	6/07	6/04	6/01	5/28	5/24	5/19
28	6/05	5/30	5/26	5/22	5/18	5/15	5/11	5/07	5/01
24	5/16	5/12	5/09	5/06	5/04	5/01	4/29	4/26	4/22
20	5/06	5/02	4/29	4/27	4/25	4/22	4/20	4/17	4/13
16	4/28	4/23	4/19	4/16	4/13	4/10	4/06	4/03	3/28
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/12	8/18	8/23	8/26	8/30	9/03	9/06	9/11	9/17
32	9/03	9/07	9/09	9/11	9/13	9/15	9/17	9/20	9/23
28	9/11	9/15	9/18	9/20	9/22	9/24	9/27	9/30	10/03
24	9/14	9/19	9/22	9/25	9/28	10/01	10/04	10/07	10/12
20	9/21	9/28	10/03	10/07	10/11	10/16	10/20	10/25	11/01
16	9/30	10/07	10/12	10/17	10/21	10/25	10/30	11/04	11/11
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	93	84	78	72	67	62	57	50	41
32	120	113	109	104	101	97	93	88	81
28	147	140	135	130	126	122	117	112	105
24	165	158	154	150	146	143	139	134	128
20	190	183	178	173	169	165	160	155	148
16	216	208	201	196	190	185	180	173	165

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: ELK MOUNTAIN, WY

COOP ID: 482995

Climate Division: WY10

NWS Call Sign:

Elevation: 7,265 Feet Lat: 41°41N

Lon: 106°25W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1331	1127	1059	821	551	248	99	131	367	687	1042	1275	8738
60	1176	987	904	671	398	134	29	46	233	532	892	1120	7122
57	1083	903	811	581	310	83	11	20	164	440	802	1027	6235
55	1021	847	749	522	255	57	4	9	126	381	742	965	5678
50	866	707	594	382	139	16	0	1	54	245	593	810	4407
32	338	238	135	49	2	0	0	0	0	11	162	307	1242

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	30	34	100	219	473	755	970	917	627	347	109	55	4636
55	0	0	0	1	14	122	261	214	62	4	0	0	678
57	0	0	0	0	6	88	205	162	41	2	0	0	504
60	0	0	0	0	2	50	131	96	19	0	0	0	298
65	0	0	0	0	0	13	46	26	3	0	0	0	88
70	0	0	0	0	0	2	8	3	0	0	0	0	13

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	22	85	269	533	739	690	419	175	33	3	0	0	22	107	376	909	1648	2338	2757	2932	2965	2968
45	0	0	0	36	148	388	584	535	284	85	7	0	0	0	0	36	184	572	1156	1691	1975	2060	2067	2067
50	0	0	0	11	63	251	430	380	165	29	0	0	0	0	0	11	74	325	755	1135	1300	1329	1329	1329
55	0	0	0	0	15	136	279	229	72	5	0	0	0	0	0	0	15	151	430	659	731	736	736	736
60	0	0	0	0	0	53	136	99	21	0	0	0	0	0	0	0	0	53	189	288	309	309	309	309
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	18	72	187	348	473	445	287	136	21	0	0	0	18	90	277	625	1098	1543	1830	1966	1987	1987

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20

1971-2000

Station: EMBLEM, WY

COOP ID: 483031

Climate Division: WY 4

NWS Call Sign:

Elevation: 4,448 Feet Lat: 44° 30N

Lon: 108° 23W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	29.7	6.7	18.2	61	1974	16	30.3	1981	-34+	1979	1	-2.4	1979	1452	0	.0	.0	1.0	15.9	30.9	8.8
Feb	37.6	13.3	25.5	69	1982	21	34.6	1999	-34	1996	2	10.8	1989	1108	0	.0	.0	4.4	7.7	27.8	4.5
Mar	49.2	23.0	36.1	78	1986	28	44.0	1986	-15	1965	25	29.1	1996	896	0	.0	.0	15.3	2.5	27.4	.8
Apr	59.7	31.4	45.6	89	1989	21	52.4	1987	5	1975	9	36.4	1975	585	0	.0	.0	24.4	.3	16.4	.0
May	69.2	41.1	55.2	95	1969	27	60.3	1987	20	1967	1	50.4	1996	316	10	.0	.2	29.7	.0	3.1	.0
Jun	79.5	48.8	64.2	101+	1989	19	71.0	1988	32	1979	8	58.0	1998	106	80	.1	4.7	30.0	.0	@	.0
Jul	86.7	54.0	70.4	105	1989	8	75.3	1989	36	1972	4	62.7	1993	30	196	.4	11.6	31.0	.0	.0	.0
Aug	85.4	52.6	69.0	103	1983	7	74.4	1983	34	1976	27	64.5	1993	39	164	.2	9.7	31.0	.0	.0	.0
Sep	73.6	43.7	58.7	97+	1979	8	65.0	1998	16	1984	25	52.4	1985	227	36	.0	1.3	28.9	.0	3.0	.0
Oct	60.2	33.5	46.9	86	1963	4	51.4	1988	-7	1991	30	42.8	1995	564	0	.0	.0	25.7	.5	15.0	.1
Nov	42.5	20.2	31.4	72	1999	4	42.3	1999	-20	1975	30	15.2	1985	1011	0	.0	.0	8.8	5.5	27.4	1.9
Dec	32.0	9.3	20.7	64	1981	6	30.9	1980	-37	1978	31	5.9	1978	1374	0	.0	.0	1.5	14.0	30.8	6.1
Ann	58.8	31.5	45.2	105	Jul 1989	8	75.3	Jul 1989	-37	Dec 1978	31	-2.4	Jan 1979	7708	486	.7	27.5	231.7	46.4	181.8	22.2

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1949-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20 1971-2000

Station: EMBLEM, WY

COOP ID: 483031

Climate Division: WY 4

NWS Call Sign:

Elevation: 4,448 Feet Lat: 44° 30N

Lon: 108° 23W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
		Means/Medians(1)		Extremes						Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Median	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	.25	.23	.70	1965	28	.68	1975	.00+	1994	2.6	1.1	.0	.0	.00	.00	.09	.13	.17	.21	.26	.32	.38	.49	.60
Feb	.20	.14	.37	1996	8	.87	1978	.00+	1999	2.1	.9	.0	.0	.00	.02	.06	.09	.12	.16	.20	.24	.31	.42	.52
Mar	.46	.53	.66	1995	12	1.12	1995	.00+	1979	4.0	1.6	.1	.0	.00	.07	.16	.24	.31	.39	.47	.58	.71	.94	1.15
Apr	.76	.62	1.47	1978	28	2.30	1991	.16	1981	4.9	2.3	.2	@	.16	.23	.34	.44	.55	.65	.78	.92	1.11	1.42	1.71
May	1.42	1.33	2.10	1987	27	3.29	1981	.02	1976	7.1	3.7	.6	.2	.12	.21	.40	.60	.81	1.06	1.35	1.72	2.23	3.08	3.92
Jun	1.17	1.00	1.27	1969	26	3.39	1992	.04	1978	6.8	3.4	.5	@	.20	.30	.47	.63	.80	.97	1.18	1.42	1.75	2.28	2.79
Jul	.82	.70	1.60	1993	3	3.03	1993	.00	1988	4.5	2.2	.3	.1	.03	.09	.21	.33	.46	.61	.78	1.00	1.31	1.82	2.32
Aug	.53	.39	1.05	1971	30	1.72	1972	.00	1975	4.5	1.6	.2	@	.06	.12	.21	.29	.36	.44	.54	.65	.80	1.03	1.26
Sep	.86	.83	1.24	1980	16	2.44	1991	.00+	1993	4.6	2.3	.4	.1	.00	.05	.18	.31	.45	.62	.81	1.06	1.40	1.97	2.54
Oct	.69	.59	2.24	1949	20	2.78	1971	.05	1996	3.8	2.1	.3	@	.05	.09	.18	.28	.38	.50	.65	.83	1.09	1.52	1.95
Nov	.30	.26	.73	1986	7	.84	1986	.02	1993	2.6	1.3	@	.0	.04	.06	.11	.15	.19	.24	.30	.37	.46	.61	.76
Dec	.26	.15	.60	2000	5	1.05	1981	.00+	1995	2.3	1.0	@	.0	.00	.00	.04	.09	.13	.19	.25	.33	.44	.61	.78
Ann	7.72	7.53	2.24	Oct 1949	20	3.39	Jun 1992	.00+	Feb 1999	49.8	23.5	2.6	.4	5.32	5.77	6.36	6.80	7.20	7.59	7.99	8.43	8.96	9.74	10.42

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1949-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: EMBLEM, WY

COOP ID: 483031

Climate Division: WY 4

NWS Call Sign:

Elevation: 4,448 Feet

Lat: 44° 30N

Lon: 108° 23W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	3.3	2.9	#	0	6.0	1975	25	9.0	1972	6	1975	25	#+	1999	1.4	1.3	.6	.1	.0	-9.9	-9.9	-9.9	-9.9
Feb	2.1	1.0	#	0	5.0	1978	19	12.5	1978	#+	1999	22	#+	1999	.9	.7	.3	@	.0	.0	.0	.0	.0
Mar	2.1	.4	#	0	8.0	1994	23	9.5	1977	8	1994	23	1	1994	.7	.6	.2	@	.0	.2	.2	.2	.0
Apr	2.1	.0	#	0	8.5	1991	18	17.5	1991	2	1997	1	#+	1997	.4	.4	.2	.1	.0	.0	.0	.0	.0
May	.3	.0	#	0	4.0	1983	11	8.0	1983	#	1996	4	#	1996	.1	.1	.1	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.2	.0	0	0	3.0	1983	19	3.0	1983	0	0	0	0	0	.1	.1	@	.0	.0	.0	.0	.0	.0
Oct	1.8	.0	#	0	6.5	1993	8	9.0	1975	5	1993	8	#+	1995	.7	.6	.4	.1	.0	.4	.2	.1	.0
Nov	2.3	1.8	#	0	5.0	1983	8	8.0	1985	3	1990	3	#+	1998	.8	.8	.2	@	.0	-9.9	-9.9	-9.9	-9.9
Dec	3.3	2.0	#	0	5.0	1977	30	12.0+	1989	4+	1996	24	1	1996	1.3	1.2	.4	.1	.0	-9.9	-9.9	-9.9	-9.9
Ann	17.5	8.1	N/A	N/A	8.5	Apr 1991	18	17.5	Apr 1991	8	Mar 1994	23	1+	Dec 1996	6.4	5.8	2.4	.4	.0	-9.9	-9.9	-9.9	-9.9

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: EMBLEM, WY

COOP ID: 483031

Climate Division: WY 4

NWS Call Sign:

Elevation: 4,448 Feet

Lat: 44° 30N

Lon: 108° 23W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/15	6/09	6/05	6/01	5/29	5/25	5/22	5/17	5/11
32	5/25	5/20	5/17	5/14	5/11	5/08	5/05	5/01	4/26
28	5/12	5/08	5/04	5/02	4/29	4/26	4/24	4/20	4/16
24	5/04	4/29	4/25	4/22	4/19	4/16	4/13	4/09	4/04
20	4/20	4/16	4/12	4/09	4/07	4/04	4/01	3/29	3/24
16	4/19	4/12	4/06	4/01	3/28	3/23	3/18	3/12	3/05
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/03	9/07	9/10	9/12	9/14	9/17	9/19	9/22	9/26
32	9/10	9/13	9/16	9/18	9/20	9/23	9/25	9/27	10/01
28	9/19	9/24	9/27	9/30	10/03	10/06	10/09	10/12	10/17
24	9/26	10/01	10/05	10/08	10/12	10/15	10/18	10/22	10/27
20	10/05	10/10	10/14	10/17	10/20	10/23	10/27	10/31	11/05
16	10/18	10/23	10/27	10/30	11/02	11/05	11/08	11/12	11/17
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	128	121	116	112	108	104	99	94	87
32	152	145	140	136	132	128	124	119	112
28	177	170	165	160	156	152	148	142	135
24	197	189	184	179	175	171	166	161	153
20	219	211	205	200	196	191	187	181	173
16	250	239	231	225	219	212	206	198	187

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: EMBLEM, WY

COOP ID: 483031

Climate Division: WY 4

NWS Call Sign:

Elevation: 4,448 Feet Lat: 44° 30N

Lon: 108° 23W

Degree Days to Selected Base Temperatures (°F)

Base	Heating Degree Days (1)												
	Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
65	1452	1108	896	585	316	106	30	39	227	564	1011	1374	7708
60	1297	968	741	439	190	42	8	10	127	409	861	1219	6311
57	1204	884	648	356	129	20	2	4	82	319	771	1126	5545
55	1142	828	586	303	96	11	0	2	58	262	717	1064	5069
50	988	697	439	188	38	1	0	0	19	141	577	912	4000
32	482	283	71	6	0	0	0	0	0	3	189	421	1455

Base	Cooling Degree Days (1)												
	Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
32	53	100	199	411	718	964	1188	1148	799	463	169	69	6281
55	0	0	0	18	101	285	475	436	166	8	6	0	1495
57	0	0	0	11	72	234	415	376	130	4	0	0	1242
60	0	0	0	5	39	166	328	290	86	1	0	0	915
65	0	0	0	0	10	80	196	164	36	0	0	0	486
70	0	0	0	0	1	28	100	74	11	0	0	0	214

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	6	68	218	486	739	949	902	557	241	34	1	0	6	74	292	778	1517	2466	3368	3925	4166	4200	4201
45	0	0	20	119	342	589	794	747	414	134	9	0	0	0	20	139	481	1070	1864	2611	3025	3159	3168	3168
50	0	0	2	57	210	440	639	592	278	59	0	0	0	0	2	59	269	709	1348	1940	2218	2277	2277	2277
55	0	0	0	18	112	299	486	437	166	18	0	0	0	0	0	18	130	429	915	1352	1518	1536	1536	1536
60	0	0	0	3	46	175	334	287	81	2	0	0	0	0	0	3	49	224	558	845	926	928	928	928
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	10	68	171	315	458	601	574	368	186	31	1	0	10	78	249	564	1022	1623	2197	2565	2751	2782	2783

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20

1971-2000

Station: EVANSTON 1 E, WY

COOP ID: 483100

Climate Division: WY 3

NWS Call Sign:

Elevation: 6,825 Feet Lat: 41° 16N

Lon: 110° 57W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	29.5	9.5	19.5	57	1981	23	26.6	1981	-35+	1963	12	9.8	1979	1411	0	.0	.0	.2	16.5	30.8	7.2
Feb	34.0	11.7	22.9	60+	1986	28	29.7	1995	-38	1905	12	15.1	1989	1181	0	.0	.0	1.4	10.0	28.0	4.8
Mar	41.6	19.3	30.5	75	1985	25	36.9	1986	-30	1917	2	23.5	1976	1070	0	.0	.0	7.4	3.2	30.0	1.0
Apr	51.9	25.9	38.9	77+	2000	28	47.5	1992	-7	1920	1	31.5	1975	783	0	.0	.0	18.6	.6	24.8	.1
May	61.5	33.4	47.5	92	1911	9	51.7	1994	9	1965	6	42.5	1975	544	0	.0	.0	27.8	.0	13.9	.0
Jun	71.9	39.9	55.9	94	1988	24	61.6	1988	19	1960	21	51.0	1975	285	13	.0	.2	29.8	.0	3.6	.0
Jul	79.3	45.5	62.4	99	1985	7	66.0	1985	24	1921	3	55.3	1993	117	37	.0	1.8	31.0	.0	.2	.0
Aug	77.7	45.0	61.4	94+	1979	5	65.1	1994	23	1962	31	56.9	1993	139	26	.0	.5	31.0	.0	.7	.0
Sep	68.4	37.1	52.8	89+	1955	2	58.3	1990	5	1926	25	47.8	1986	370	3	.0	.0	29.1	.0	7.9	.0
Oct	56.7	28.2	42.5	80	1980	6	48.6	1988	-8	1972	31	36.4	1984	700	0	.0	.0	24.6	.6	22.7	.0
Nov	40.0	17.8	28.9	69+	1999	15	38.1	1999	-22+	1955	16	21.8	2000	1083	0	.0	.0	7.6	6.9	28.5	2.0
Dec	31.5	10.1	20.8	64	1939	5	28.2	1980	-34	1951	9	13.3	1990	1371	0	.0	.0	1.3	13.9	30.7	6.2
Ann	53.7	27.0	40.3	99	Jul 1985	7	66.0	Jul 1985	-38	Feb 1905	12	9.8	Jan 1979	9054	79	.0	2.5	209.8	51.7	221.8	21.3

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1890-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20 1971-2000

Station: EVANSTON 1 E, WY

COOP ID: 483100

Climate Division: WY 3

NWS Call Sign:

Elevation: 6,825 Feet Lat: 41° 16N

Lon: 110° 57W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
		Means/Medians(1)		Extremes						Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Median	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	.68	.57	.85	1912	7	2.81	1980	.00	1985	7.1	2.5	.1	.0	.04	.11	.22	.32	.42	.54	.68	.84	1.07	1.44	1.80
Feb	.62	.56	1.32	1917	23	1.93	1986	.00	1985	6.4	2.3	.1	.0	.05	.12	.22	.31	.41	.51	.62	.76	.95	1.26	1.55
Mar	.89	.79	2.00	1899	23	2.40	1981	.02	1992	6.9	2.8	.4	.0	.18	.26	.39	.51	.63	.76	.91	1.08	1.31	1.69	2.04
Apr	1.13	1.11	1.50	1986	2	2.85	1986	.00	1985	7.6	3.6	.4	@	.07	.19	.37	.53	.71	.90	1.12	1.39	1.76	2.36	2.94
May	1.47	1.43	2.63	1924	30	4.12	1993	.07	1972	8.6	4.5	.7	.1	.21	.33	.54	.75	.96	1.20	1.47	1.80	2.25	2.98	3.68
Jun	.96	.76	1.56	1941	9	3.79	1998	.00	1988	5.4	2.6	.4	.1	.02	.08	.20	.33	.49	.67	.89	1.17	1.56	2.23	2.90
Jul	.91	.66	1.87	1965	19	2.67	1984	.00	1988	5.0	2.5	.3	.1	.02	.08	.19	.32	.47	.64	.84	1.11	1.48	2.10	2.72
Aug	.94	.78	1.54	1926	3	2.91	1991	.00	1985	7.1	3.2	.4	.1	.02	.07	.19	.32	.47	.65	.86	1.14	1.53	2.19	2.85
Sep	1.27	1.16	1.38	1908	24	4.26	1982	.00	1988	7.0	3.3	.9	@	.06	.17	.36	.55	.75	.97	1.24	1.56	2.01	2.75	3.47
Oct	1.15	1.02	1.42	1992	30	2.68	1981	.00+	2000	6.0	3.5	.5	@	.00	.14	.35	.53	.72	.92	1.16	1.44	1.82	2.45	3.05
Nov	.84	.78	1.26	1958	15	1.99	1996	.04+	1999	7.3	3.5	.1	.0	.14	.21	.34	.45	.57	.70	.85	1.03	1.27	1.65	2.03
Dec	.67	.61	.86	1921	19	2.21	1983	.00	1986	7.0	2.6	.1	.0	.04	.10	.20	.30	.40	.52	.66	.83	1.06	1.45	1.82
Ann	11.53	11.96	2.63	May 1924	30	4.26	Sep 1982	.00+	Oct 2000	81.4	36.9	4.4	.4	6.45	7.35	8.54	9.48	10.34	11.19	12.08	13.09	14.33	16.19	17.83

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1890-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: EVANSTON 1 E, WY

COOP ID: 483100

Climate Division: WY 3

NWS Call Sign:

Elevation: 6,825 Feet

Lat: 41° 16N

Lon: 110° 57W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	9.1	9.0	9	9	10.0	1996	25	13.5	1990	28	1993	12	21	1993	5.2	3.4	1.3	.6	.1	-9.9	-9.9	-9.9	-9.9
Feb	8.3	8.8	8	7	13.0	1989	2	20.0	1989	27	1989	8	20	1993	3.4	2.8	.6	.1	.1	-9.9	-9.9	-9.9	-9.9
Mar	4.9	5.5	2	1	8.0	1975	21	9.5	1999	24	1993	1	8	1993	1.8	1.4	.7	.4	.0	6.9	4.6	2.5	.4
Apr	1.9	.0	#	0	8.0	1975	16	8.0	1975	6	1991	11	1	1991	.6	.5	.3	.1	.0	.4	.3	.1	.0
May	.9	.0	#	0	7.0	1986	5	12.0	1986	4+	1993	4	#+	1995	.3	.3	.2	@	.0	.4	.2	.0	.0
Jun	.2	.0	#	0	4.5	1998	17	4.5	1998	5	1998	17	#	1998	@	@	@	.0	.0	.1	.1	.1	.0
Jul	.0	.0	#	0	.0	0	0	.0	0	#	1986	22	#	1986	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.2	.0	#	0	4.0	2000	23	4.0	2000	4	2000	23	#+	2000	@	@	@	.0	.0	.1	.1	.0	.0
Oct	2.1	.7	#	0	12.0	1971	27	12.0	1971	8	1991	28	1	1991	.8	.6	.3	.2	@	1.3	.3	.2	.0
Nov	5.9	5.0	1	1	12.0	1994	17	24.3	1994	14	1994	17	6	1985	2.8	2.0	.6	.2	.1	7.4	4.1	1.5	.3
Dec	8.5	11.0	4	4	9.0	1990	19	12.0+	1987	19	1985	9	15	1985	3.2	2.2	1.3	.7	.0	18.3	13.9	8.2	2.5
Ann	42.0	40.0	N/A	N/A	13.0	Feb 1989	2	24.3	Nov 1994	28	Jan 1993	12	21	Jan 1993	18.1	13.2	5.3	2.3	.3	-9.9	-9.9	-9.9	-9.9

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: EVANSTON 1 E, WY

COOP ID: 483100

Climate Division: WY 3

NWS Call Sign:

Elevation: 6,825 Feet

Lat: 41° 16N

Lon: 110° 57W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	7/23	7/17	7/13	7/09	7/06	7/03	6/29	6/25	6/19
32	7/11	7/03	6/27	6/22	6/18	6/13	6/08	6/02	5/25
28	6/19	6/12	6/07	6/03	5/30	5/26	5/22	5/17	5/10
24	6/02	5/27	5/22	5/18	5/14	5/10	5/06	5/01	4/24
20	5/18	5/12	5/07	5/03	4/29	4/26	4/22	4/17	4/10
16	5/04	4/28	4/23	4/19	4/15	4/11	4/07	4/02	3/26
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/06	8/13	8/18	8/22	8/26	8/29	9/02	9/07	9/14
32	8/16	8/23	8/28	9/01	9/05	9/09	9/13	9/18	9/24
28	9/01	9/06	9/10	9/13	9/16	9/19	9/22	9/26	10/01
24	9/16	9/20	9/24	9/26	9/29	10/01	10/04	10/07	10/12
20	9/21	9/28	10/03	10/08	10/12	10/16	10/20	10/25	11/01
16	10/05	10/11	10/15	10/19	10/23	10/26	10/30	11/03	11/09
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	80	69	62	56	50	44	37	30	20
32	110	99	91	85	78	72	65	58	47
28	133	124	118	113	109	104	99	93	84
24	160	152	147	142	137	133	128	122	114
20	198	187	178	171	165	158	151	143	131
16	218	208	201	195	190	184	178	171	162

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: EVANSTON 1 E, WY

COOP ID: 483100

Climate Division: WY 3

NWS Call Sign:

Elevation: 6,825 Feet Lat: 41° 16N

Lon: 110° 57W

Degree Days to Selected Base Temperatures (°F)

Base	Heating Degree Days (1)												
	Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
65	1411	1181	1070	783	544	285	117	139	370	700	1083	1371	9054
60	1256	1041	915	633	390	167	40	52	233	545	933	1216	7421
57	1163	957	822	545	301	112	16	23	164	452	843	1123	6521
55	1101	901	760	489	246	82	8	12	124	391	783	1061	5958
50	946	761	606	351	127	29	1	1	51	249	633	906	4661
32	406	281	143	44	1	0	0	0	0	10	184	371	1440

Cooling Degree Days (1)

Base	Cooling Degree Days (1)												
	Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
32	18	24	97	251	480	718	943	910	623	333	91	23	4511
55	0	0	0	5	11	109	238	209	57	2	0	0	631
57	0	0	0	2	5	80	184	158	37	1	0	0	467
60	0	0	0	0	1	45	115	94	16	0	0	0	271
65	0	0	0	0	0	13	37	26	3	0	0	0	79
70	0	0	0	0	0	2	6	3	0	0	0	0	11

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	11	93	271	511	737	704	428	168	16	0	0	0	11	104	375	886	1623	2327	2755	2923	2939	2939
45	0	0	0	40	150	364	582	549	287	74	0	0	0	0	0	40	190	554	1136	1685	1972	2046	2046	2046
50	0	0	0	11	64	230	427	395	162	21	0	0	0	0	0	11	75	305	732	1127	1289	1310	1310	1310
55	0	0	0	0	14	116	274	244	66	0	0	0	0	0	0	0	14	130	404	648	714	714	714	714
60	0	0	0	0	1	38	134	108	16	0	0	0	0	0	0	0	1	39	173	281	297	297	297	297
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	18	93	211	364	499	478	325	164	26	0	0	0	18	111	322	686	1185	1663	1988	2152	2178	2178

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: FARSON 5 N, WY

COOP ID: 483170

Climate Division: WY 3

NWS Call Sign:

Elevation: 6,675 Feet Lat: 42° 11N

Lon: 109° 27W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	25.6	-5.7	10.0	55	1931	30	21.8	1981	-49	1979	1	-5.8	1979	1708	0	.0	.0	.0	21.2	31.0	19.3
Feb	30.3	-1.4	14.5	57	1977	20	25.2	2000	-47	1942	18	3.3	1993	1417	0	.0	.0	.6	14.6	28.3	14.7
Mar	41.5	13.4	27.5	69+	1943	30	35.9	1994	-31+	1966	5	18.6	1980	1163	0	.0	.0	6.4	4.0	30.8	3.5
Apr	52.4	21.3	36.9	81	1952	27	41.3	1981	-24	1936	2	31.0	1975	845	0	.0	.0	19.0	.8	28.0	.2
May	63.4	30.7	47.1	89	1936	30	51.2	1994	5+	1972	1	41.9	1983	557	0	.0	.0	28.6	.0	20.5	.0
Jun	74.7	38.2	56.5	97	1954	23	62.1	1988	19	1982	9	50.5	1998	271	14	.0	1.1	29.8	.0	5.1	.0
Jul	82.8	43.0	62.9	97+	1939	14	66.2	1989	25	1949	20	54.6	1993	117	51	.0	2.7	31.0	.0	.7	.0
Aug	81.2	41.4	61.3	97	1940	13	64.7	1983	21	1964	30	57.9	1993	139	25	.0	1.0	31.0	.0	1.9	.0
Sep	70.7	30.5	50.6	93	1931	4	57.3	1990	7	1972	26	45.0	1971	433	2	.0	.0	28.7	.1	16.9	.0
Oct	58.3	20.2	39.3	81	1979	6	44.8	1979	-9+	1991	31	32.9	1984	798	0	.0	.0	24.6	.4	29.3	.2
Nov	38.9	7.5	23.2	71	1924	3	30.4	1995	-34	1955	16	10.6	2000	1254	0	.0	.0	6.2	8.3	29.9	5.9
Dec	27.7	-3.7	12.0	70	1925	2	22.9	1980	-52	1978	31	-1.3	1978	1645	0	.0	.0	.2	19.5	31.0	19.1
Ann	54.0	19.6	36.8	97+	Jun 1954	23	66.2	Jul 1989	-52	Dec 1978	31	-5.8	Jan 1979	10347	92	.0	4.8	206.1	68.9	253.4	62.9

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1915-2001

(3) Derived from 1971-2000 serially complete daily data

Climatology of the United States

No. 20 1971-2000

Station: FARSON 5 N, WY

COOP ID: 483170

Climate Division: WY 3

NWS Call Sign:

Elevation: 6,675 Feet Lat: 42° 11N

Lon: 109° 27W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1)											
														Probability that the monthly/annual precipitation will be equal to or less than the indicated amount											
Means/Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels												
													These values were determined from the incomplete gamma distribution												
Month	Mean	Median	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95	
Jan	.36	.28	.80	1997	3	1.28	1997	.00	1989	5.5	1.7	.1	.0	.02	.06	.12	.17	.22	.28	.35	.44	.56	.75	.93	
Feb	.32	.24	1.50	1979	14	1.55	1979	.00+	1999	3.6	.9	.1	@	.00	.02	.06	.11	.16	.22	.30	.39	.53	.76	.99	
Mar	.52	.41	.79	1968	9	1.90	1983	.00	1978	4.5	1.8	.2	.0	.04	.09	.18	.25	.33	.42	.52	.64	.80	1.07	1.33	
Apr	.74	.64	1.32	1932	27	2.08	1991	.00+	1996	5.8	2.6	.1	.0	.00	.13	.27	.39	.51	.63	.76	.92	1.13	1.47	1.80	
May	1.41	1.09	1.70	1978	5	4.58	1980	.08	1979	6.5	3.3	.7	.1	.17	.28	.48	.67	.88	1.11	1.39	1.72	2.18	2.93	3.66	
Jun	.85	.78	1.25	1993	3	2.54	1998	.00+	1979	4.9	1.9	.4	@	.00	.06	.19	.32	.46	.62	.81	1.05	1.37	1.92	2.46	
Jul	1.01	.93	1.83	1982	28	3.28	1977	.03	1999	5.8	2.0	.4	.1	.06	.11	.23	.37	.53	.71	.93	1.22	1.62	2.31	2.99	
Aug	.68	.57	1.85	1983	18	2.53	1983	.00	1996	5.2	2.2	.3	@	.03	.09	.19	.29	.40	.52	.66	.83	1.07	1.47	1.85	
Sep	.94	.84	1.85	1982	14	3.18	1982	.00+	1980	5.2	2.6	.3	@	.00	.00	.26	.45	.62	.80	.98	1.21	1.51	1.96	2.40	
Oct	.67	.57	1.08	1943	19	1.76	1980	.00+	1989	4.2	2.2	.3	.0	.00	.05	.15	.25	.37	.49	.64	.83	1.09	1.52	1.94	
Nov	.41	.36	.84	1947	12	1.01	1978	.00+	1999	4.5	1.1	.0	.0	.00	.10	.18	.25	.30	.37	.43	.51	.61	.76	.91	
Dec	.36	.29	.85	1979	22	1.00	1983	.00+	1999	4.7	1.2	.1	.0	.00	.02	.07	.12	.18	.25	.33	.43	.58	.83	1.08	
Ann	8.27+	8.17+	1.85+	Aug 1983	18	4.58	May 1980	.00+	Dec 1999	60.4	23.5	3.0	.2	4.63	5.27	6.12	6.79	7.39	7.99	8.63	9.34	10.22	11.53	12.70	

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1915-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: FARSON 5 N, WY

COOP ID: 483170

Climate Division: WY 3

NWS Call Sign:

Elevation: 6,675 Feet

Lat: 42° 11N

Lon: 109° 27W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	5.4	5.0	3	2	6.0	1972	23	18.5	1972	14	1993	19	11	1993	3.2	2.5	.4	.1	.0	13.8	7.6	3.6	.0
Feb	3.5	3.0	4	2	6.0	1983	14	10.0	1994	16	1993	28	12	1993	2.7	1.7	.3	.1	.0	10.6	6.6	3.5	.0
Mar	5.6	3.3	1	#	12.0	1983	25	19.8	1983	16	1983	26	9	1983	3.0	2.0	.7	.3	.1	2.8	1.4	.7	.0
Apr	2.8	1.0	#	#	7.0	1997	5	13.7	1991	9	1997	6	1	1999	1.8	1.4	.3	.1	.0	1.1	.1	.0	.0
May	.8	.0	#	0	8.0	1975	20	8.0	1975	7	1978	5	2	1978	.2	.2	.1	.1	.0	.3	.1	.1	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	#	0	.0	0	0	.0	0	3	2000	24	#+	2000	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	1.5	.0	#	0	6.3	1975	27	6.3	1975	6+	1996	29	1+	1996	.6	.6	.2	.1	.0	.3	.2	.0	.0
Nov	3.2	2.8	1	#	6.0	1998	6	7.2	1977	18	1978	25	5	1993	1.7	1.2	.5	.1	.0	5.3	3.0	1.0	.0
Dec	3.7	2.1	2	#	4.5	1982	24	18.0	1971	10	1982	24	8	1982	2.8	1.8	.3	.0	.0	13.6	3.7	1.0	.0
Ann	26.5	17.2	N/A	N/A	12.0	Mar 1983	25	19.8	Mar 1983	18	Nov 1978	25	12	Feb 1993	16.0	11.4	2.8	.9	.1	47.8	22.7	9.9	.0

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: FARSON 5 N, WY

COOP ID: 483170

Climate Division: WY 3

NWS Call Sign:

Elevation: 6,675 Feet

Lat: 42° 11N

Lon: 109° 27W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	7/23	7/18	7/14	7/11	7/08	7/05	7/02	6/29	6/23
32	7/14	7/07	7/03	6/29	6/25	6/21	6/17	6/12	6/06
28	6/22	6/16	6/12	6/08	6/05	6/02	5/29	5/25	5/19
24	6/09	6/03	5/29	5/26	5/22	5/19	5/15	5/11	5/05
20	5/28	5/22	5/18	5/15	5/11	5/08	5/05	5/01	4/25
16	5/14	5/08	5/04	4/30	4/27	4/23	4/20	4/15	4/09
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	7/31	8/06	8/09	8/13	8/16	8/19	8/22	8/26	8/31
32	8/10	8/16	8/20	8/24	8/28	8/31	9/04	9/09	9/15
28	8/22	8/27	8/31	9/03	9/06	9/09	9/12	9/15	9/20
24	9/01	9/07	9/10	9/14	9/17	9/20	9/23	9/27	10/02
20	9/12	9/17	9/21	9/23	9/26	9/29	10/02	10/05	10/10
16	9/21	9/26	9/30	10/03	10/06	10/09	10/12	10/16	10/21
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	60	52	47	42	38	34	29	23	16
32	93	83	76	69	63	57	51	44	33
28	119	110	103	97	92	86	81	74	65
24	142	133	127	121	116	111	106	100	91
20	157	150	145	141	137	133	129	124	117
16	185	177	171	166	162	157	152	146	138

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: FARSON 5 N, WY

COOP ID: 483170

Climate Division: WY 3

NWS Call Sign:

Elevation: 6,675 Feet Lat: 42° 11N

Lon: 109° 27W

Degree Days to Selected Base Temperatures (°F)

Base	Heating Degree Days (1)												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
Below													
65	1708	1417	1163	845	557	271	117	139	433	798	1254	1645	10347
60	1553	1277	1008	695	403	155	43	51	292	643	1104	1490	8714
57	1460	1193	915	605	313	101	19	23	217	550	1014	1397	7807
55	1398	1137	853	545	257	72	11	12	173	489	954	1335	7236
50	1243	997	698	399	135	23	1	2	85	340	804	1180	5907
32	701	516	233	47	0	0	0	0	0	27	310	636	2470

Cooling Degree Days (1)

Base	Cooling Degree Days (1)												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
Above													
32	15	22	92	192	467	733	957	908	559	252	46	14	4257
55	0	0	0	0	10	115	255	207	42	1	0	0	630
57	0	0	0	0	5	84	201	156	26	0	0	0	472
60	0	0	0	0	1	48	132	91	11	0	0	0	283
65	0	0	0	0	0	14	51	25	2	0	0	0	92
70	0	0	0	0	0	3	12	3	0	0	0	0	18

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	3	68	240	494	734	665	345	92	0	0	0	0	3	71	311	805	1539	2204	2549	2641	2641	2641
45	0	0	0	24	126	347	579	510	214	30	0	0	0	0	0	24	150	497	1076	1586	1800	1830	1830	1830
50	0	0	0	5	48	216	425	357	104	6	0	0	0	0	0	5	53	269	694	1051	1155	1161	1161	1161
55	0	0	0	0	5	105	273	206	34	0	0	0	0	0	0	0	5	110	383	589	623	623	623	623
60	0	0	0	0	0	35	131	81	4	0	0	0	0	0	0	0	0	35	166	247	251	251	251	251
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	14	102	234	373	503	479	315	156	14	0	0	0	14	116	350	723	1226	1705	2020	2176	2190	2190

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20

1971-2000

Station: FONTENELLE DAM, WY

COOP ID: 483396

Climate Division: WY 3

NWS Call Sign:

Elevation: 6,480 Feet Lat: 41° 59N

Lon: 110° 04W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	25.3	-2.4	11.5	52	1989	31	20.6	1996	-43+	1984	18	-2	1979	1661	0	.0	.0	.1	22.0	30.9	17.1
Feb	30.1	1.1	15.6	57	1977	21	26.5	1991	-46	1985	2	-2.5	1993	1383	0	.0	.0	.9	14.6	28.2	12.0
Mar	40.1	13.5	26.8	67	1966	30	37.4	1992	-33+	1993	2	17.6	1998	1184	0	.0	.0	5.8	5.8	30.9	2.9
Apr	50.7	21.5	36.1	79	1992	29	44.5	1992	-9	1977	3	27.9+	1999	867	0	.0	.0	16.4	1.1	28.1	.1
May	61.2	30.8	46.0	83	1984	31	54.2	1992	8	1983	13	40.6	1999	589	0	.0	.0	27.0	.1	18.8	.0
Jun	72.7	38.3	55.5	94+	1990	30	62.0	1988	14	2001	4	43.8	1998	311	26	.0	.7	29.4	.0	5.5	.0
Jul	81.0	44.1	62.6	95+	1989	9	68.5	1989	21	1997	2	53.0	1993	152	76	.0	2.5	31.0	.0	1.1	.0
Aug	79.7	41.8	60.8	95+	1979	6	66.1	1971	17+	1992	27	54.6	1993	176	43	.0	1.1	31.0	.0	2.3	.0
Sep	68.4	31.4	49.9	88+	1979	8	56.7	1990	4	1985	30	43.2	2000	457	3	.0	.0	28.5	.1	15.8	.0
Oct	55.6	20.4	38.0	79+	1979	7	47.2	1988	-8	1975	25	31.3	2000	837	0	.0	.0	22.2	1.0	29.8	.4
Nov	37.1	8.7	22.9	67	1976	6	32.2	1995	-29	1976	27	6.5	2000	1263	0	.0	.0	5.4	9.9	29.9	6.3
Dec	26.7	-1.4	12.7	57	1995	1	25.2	1980	-46	1978	31	.6	1992	1625	0	.0	.0	.4	20.5	31.0	17.2
Ann	52.4	20.7	36.5	95+	1989	9	68.5	1989	-46+	1985	2	-2.5	1993	10505	148	.0	4.3	198.1	75.1	252.3	56.0

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1963-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: FONTENELLE DAM, WY

COOP ID: 483396

Climate Division: WY 3

NWS Call Sign:

Elevation: 6,480 Feet Lat: 41°59N

Lon: 110°04W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1)										
														Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
Means/Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels											
													These values were determined from the incomplete gamma distribution											
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	.29	.27	.38	1980	13	1.01	1980	.00+	1989	3.5	1.1	.0	.0	.00	.00	.08	.14	.18	.23	.29	.36	.45	.60	.74
Feb	.27	.20	.44	1995	14	.97	1986	.00+	1991	3.0	1.0	.0	.0	.00	.01	.05	.09	.13	.18	.25	.33	.44	.63	.82
Mar	.36	.32	.55	1996	23	1.23	1998	.00+	1984	4.0	1.5	@	.0	.00	.04	.11	.17	.23	.29	.36	.45	.58	.77	.97
Apr	.74	.58	1.20	1983	30	2.20	1999	.00	1985	4.9	2.7	.2	@	.02	.08	.18	.29	.40	.54	.70	.91	1.19	1.67	2.14
May	1.23	1.02	1.42	1983	11	3.06	1987	.15	1974	7.6	4.1	.5	@	.25	.36	.54	.70	.87	1.05	1.25	1.50	1.82	2.34	2.83
Jun	.78	.50	1.16	1967	23	3.44	1998	.02	1973	5.1	2.4	.3	.1	.04	.09	.18	.29	.41	.55	.72	.94	1.25	1.78	2.31
Jul	.80	.67	1.50	1973	20	2.85	1973	.00	1988	5.7	2.7	.3	@	.06	.14	.26	.38	.50	.64	.80	.99	1.24	1.67	2.07
Aug	.72	.51	1.08	1977	19	2.05	1997	.01	1985	5.3	2.4	.3	.1	.05	.09	.18	.28	.39	.52	.68	.87	1.15	1.61	2.07
Sep	.93	.64	1.82	1982	14	5.24	1982	.00	1974	5.1	2.5	.4	.1	.04	.11	.24	.38	.52	.69	.89	1.14	1.48	2.05	2.61
Oct	.67	.68	.76	1986	20	2.33	1986	.00+	1999	4.0	2.1	.2	.0	.00	.03	.13	.22	.34	.47	.62	.82	1.10	1.57	2.03
Nov	.38	.30	.46	1983	8	1.24	1983	.00	1976	3.8	1.4	.0	.0	.03	.07	.13	.18	.24	.30	.38	.47	.59	.79	.98
Dec	.21	.10	.53	1985	9	.92	1983	.00+	1998	2.9	.9	@	.0	.00	.00	.03	.06	.10	.14	.19	.25	.35	.50	.66
Ann	7.38	6.91	1.82	Sep 1982	14	5.24	Sep 1982	.00+	Oct 1999	54.9	24.8	2.2	.3	3.55	4.18	5.05	5.75	6.39	7.04	7.73	8.51	9.50	10.98	12.31

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1963-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: FONTENELLE DAM, WY

COOP ID: 483396

Climate Division: WY 3

NWS Call Sign:

Elevation: 6,480 Feet

Lat: 41° 59N

Lon: 110° 04W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	5.2	4.0	3	1	5.0	1997	27	10.1	1996	24	1993	18	19	1993	3.2	2.3	.9	.1	.0	-9.9	-9.9	-9.9	-9.9
Feb	5.8	6.5	3	3	8.0	1995	14	16.8	1995	18	1993	28	16	1993	2.5	2.2	.7	.1	.0	-9.9	-9.9	-9.9	-9.9
Mar	2.7	2.5	1	#	7.5	1996	23	9.5	1996	18	1993	2	8	1993	1.4	1.1	.6	.1	.0	-9.9	-9.9	-9.9	-9.9
Apr	1.7	.0	#	0	4.0	1995	26	8.0	1995	5	1999	21	1+	1999	.8	.7	.4	.0	.0	.2	.1	.0	.0
May	.8	.0	#	0	6.0	2000	10	6.0	2000	2	2000	10	#	2000	.2	.2	.1	.1	.0	@	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.1	.0	#	0	1.0	1995	20	1.0	1995	1	1995	20	#+	1996	.1	.1	.0	.0	.0	@	.0	.0	.0
Oct	2.3	.0	#	0	7.0	1991	28	12.0	1991	9	1991	29	1	1993	.9	.8	.4	.2	.0	.5	.4	.2	.0
Nov	1.0	-99.9	1	#	5.0	1991	29	5.0	1991	6	2000	13	3	2000	2.2	1.8	.5	.1	.0	4.7	3.6	.9	.0
Dec	3.7	.9	2	1	9.0	1971	24	18.0	1971	14	1992	30	9	1992	2.7	1.3	.3	.1	.0	-9.9	-9.9	-9.9	-9.9
Ann	23.3	-9.9	N/A	N/A	9.0	Dec 1971	24	18.0	Dec 1971	24	Jan 1993	18	19	Jan 1993	14.0	10.5	3.9	.8	.0	-9.9	-9.9	-9.9	-9.9

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: FONTENELLE DAM, WY

COOP ID: 483396

Climate Division: WY 3

NWS Call Sign:

Elevation: 6,480 Feet

Lat: 41° 59N

Lon: 110° 04W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	7/27	7/21	7/18	7/14	7/11	7/08	7/05	7/01	6/26
32	7/16	7/09	7/04	6/30	6/26	6/22	6/17	6/12	6/05
28	7/08	6/29	6/23	6/18	6/13	6/08	6/03	5/28	5/20
24	6/23	6/14	6/07	6/02	5/27	5/22	5/17	5/10	5/01
20	6/02	5/26	5/20	5/16	5/12	5/08	5/03	4/28	4/21
16	5/17	5/11	5/07	5/03	4/29	4/26	4/22	4/17	4/11
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/04	8/09	8/13	8/16	8/19	8/21	8/24	8/28	9/02
32	8/10	8/16	8/20	8/23	8/27	8/30	9/02	9/06	9/12
28	8/19	8/25	8/29	9/02	9/05	9/08	9/12	9/16	9/22
24	9/03	9/08	9/11	9/14	9/16	9/19	9/22	9/25	9/30
20	9/09	9/15	9/20	9/23	9/27	9/30	10/04	10/08	10/14
16	9/21	9/27	10/01	10/04	10/08	10/11	10/15	10/19	10/24
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	58	51	46	42	37	33	29	24	17
32	90	80	73	67	61	56	50	42	33
28	111	102	95	89	83	77	72	65	55
24	143	132	124	117	111	105	98	90	79
20	161	153	147	142	137	132	127	121	113
16	189	179	172	166	161	155	149	142	133

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: FONTENELLE DAM, WY

COOP ID: 483396

Climate Division: WY 3

NWS Call Sign:

Elevation: 6,480 Feet Lat: 41° 59N

Lon: 110° 04W

Degree Days to Selected Base Temperatures (°F)

Base	Heating Degree Days (1)												
	Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
65	1661	1383	1184	867	589	311	152	176	457	837	1263	1625	10505
60	1506	1243	1029	717	439	200	75	87	319	682	1113	1470	8880
57	1413	1159	936	629	354	146	42	49	245	589	1023	1377	7962
55	1351	1103	874	573	300	115	28	32	201	528	963	1315	7383
50	1196	963	723	434	183	54	9	8	110	382	813	1160	6035
32	651	492	264	89	6	0	0	0	1	49	329	626	2507

Base	Cooling Degree Days (1)												
	Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
32	12	34	102	212	440	705	947	891	537	235	57	24	4196
55	0	0	0	6	21	130	262	209	47	2	0	0	677
57	0	0	0	1	13	101	215	165	32	1	0	0	528
60	0	0	0	0	5	65	154	109	16	0	0	0	349
65	0	0	0	0	0	26	76	43	3	0	0	0	148
70	0	0	0	0	0	9	27	12	0	0	0	0	48

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	0	64	233	475	715	660	332	87	0	0	0	0	0	64	297	772	1487	2147	2479	2566	2566	2566
45	0	0	0	20	123	336	560	506	208	30	0	0	0	0	0	20	143	479	1039	1545	1753	1783	1783	1783
50	0	0	0	5	53	204	407	354	106	3	0	0	0	0	0	5	58	262	669	1023	1129	1132	1132	1132
55	0	0	0	0	10	110	261	208	36	0	0	0	0	0	0	0	10	120	381	589	625	625	625	625
60	0	0	0	0	0	42	129	91	7	0	0	0	0	0	0	0	0	42	171	262	269	269	269	269
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	17	84	201	350	493	472	297	140	14	0	0	0	17	101	302	652	1145	1617	1914	2054	2068	2068

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: GAS HILLS 4 E, WY

COOP ID: 483801

Climate Division: WY 9

NWS Call Sign:

Elevation: 6,470 Feet Lat: 42° 50N

Lon: 107° 31W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	27.7	11.1	19.4	55	1981	22	27.1	1986	-34	1963	11	5.9	1979	1414	0	.0	.0	.3	17.2	30.8	5.3
Feb	31.7	14.7	23.2	57	1963	5	30.6	1992	-32	1989	4	11.6	1989	1171	0	.0	.0	.6	11.9	28.0	3.7
Mar	40.8	20.9	30.9	70	1986	28	37.9	1986	-17	1965	18	24.8	1973	1058	0	.0	.0	7.4	3.9	28.5	.8
Apr	50.7	28.7	39.7	79	1987	28	46.7	1992	-7	1963	2	31.1	1973	759	0	.0	.0	18.8	1.3	20.0	.1
May	61.0	37.2	49.1	85	1984	30	56.4	1994	10	1967	1	42.7	1995	495	2	.0	.0	27.6	@	8.1	.0
Jun	72.6	46.7	59.7	95	1963	29	68.5	1988	23	1969	13	54.3	1975	203	43	@	.6	29.6	.0	1.2	.0
Jul	80.4	53.8	67.1	96+	1975	6	71.0	1989	33	1972	3	60.8	1993	53	117	.0	3.1	31.0	.0	.0	.0
Aug	78.8	53.0	65.9	95+	1986	18	70.4	2000	30	1985	17	62.3	1977	66	95	.0	1.4	31.0	.0	.1	.0
Sep	68.5	42.9	55.7	90	1983	1	62.2	1998	13	1985	29	48.4	1985	297	18	.0	.3	28.3	.1	4.2	.0
Oct	55.7	32.9	44.3	80	2001	2	51.2	1988	-1	1991	30	38.3	1971	641	0	.0	.0	23.6	.9	15.0	@
Nov	37.4	19.6	28.5	64	1981	3	38.5	1999	-15	1976	27	18.1	1985	1094	0	.0	.0	6.7	8.3	26.5	1.2
Dec	28.8	13.0	20.9	57	1973	1	29.5	1980	-34	1990	21	9.4	1983	1368	0	.0	.0	.9	15.6	30.6	3.7
Ann	52.8	31.2	42.0	96+	1975	6	71.0	1989	-34+	1990	21	5.9	1979	8619	275	@	5.4	205.8	59.2	193.0	14.8

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1962-2001

(3) Derived from 1971-2000 serially complete daily data

Climatology of the United States

No. 20 1971-2000

Station: GAS HILLS 4 E, WY

COOP ID: 483801

Climate Division: WY 9

NWS Call Sign:

Elevation: 6,470 Feet Lat: 42° 50N

Lon: 107° 31W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1)										
														Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels											
													These values were determined from the incomplete gamma distribution											
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	.35	.26	.69	1995	16	.93+	1995	.02	1989	3.1	1.4	.1	.0	.06	.09	.14	.19	.24	.29	.36	.43	.53	.70	.86
Feb	.42	.39	.74	1977	22	1.26	1977	.02	1981	3.2	1.5	.1	.0	.06	.10	.16	.22	.28	.35	.42	.52	.64	.85	1.05
Mar	.83	.67	1.50	1975	23	3.65	1975	.03	1999	4.1	2.3	.5	.1	.10	.16	.28	.39	.52	.66	.82	1.02	1.29	1.73	2.17
Apr	1.31	.94	3.20	1974	20	6.30	1974	.30	1987	5.4	3.6	.8	.2	.15	.25	.43	.61	.81	1.03	1.28	1.60	2.03	2.75	3.44
May	1.83	1.33	2.18	1978	18	7.01	1995	.12	1974	5.9	4.0	1.1	.3	.26	.41	.68	.93	1.20	1.49	1.82	2.23	2.79	3.70	4.57
Jun	1.19	.99	2.60	1963	15	2.92	1995	.04	1978	5.1	3.1	.6	.1	.14	.23	.40	.56	.74	.94	1.17	1.45	1.84	2.48	3.10
Jul	.90	.79	1.25	1997	19	2.80	1974	.06	1972	3.4	2.0	.5	.1	.09	.16	.28	.41	.54	.69	.87	1.10	1.41	1.92	2.42
Aug	.70	.50	1.32	1972	2	2.01	1972	.00+	1998	3.5	2.0	.2	.1	.00	.00	.17	.29	.41	.54	.70	.88	1.13	1.54	1.93
Sep	.78	.56	1.80	1973	2	2.62	1973	.00+	1983	3.6	2.4	.3	.1	.00	.00	.18	.31	.45	.60	.77	.99	1.27	1.75	2.21
Oct	.71	.51	1.38	1998	5	3.37	1998	.00+	1992	3.5	2.0	.4	@	.00	.04	.14	.24	.36	.50	.66	.87	1.16	1.66	2.15
Nov	.45	.37	.88	1992	23	1.23	1975	.00	1971	3.4	1.5	.2	@	.02	.07	.13	.20	.27	.35	.44	.55	.71	.96	1.21
Dec	.34	.31	.50	1975	14	.98	1973	.00+	1999	3.4	1.6	@	.0	.00	.03	.09	.15	.20	.27	.34	.42	.54	.73	.92
Ann	9.81	10.03	3.20	Apr 1974	20	7.01	May 1995	.00+	Dec 1999	47.6	27.4	4.8	1.0	5.63	6.37	7.36	8.14	8.84	9.54	10.27	11.09	12.11	13.62	14.95

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1962-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: GAS HILLS 4 E, WY

COOP ID: 483801

Climate Division: WY 9

NWS Call Sign:

Elevation: 6,470 Feet

Lat: 42° 50N

Lon: 107° 31W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	7.0	6.3	3	2	12.0	1995	16	15.0	1995	12+	1995	16	9	1972	2.5	1.9	.9	.3	@	15.9	11.1	7.1	1.0
Feb	8.8	8.0	2	2	8.0	1977	22	17.8	1987	12	1987	27	6	1989	2.9	2.5	1.0	.4	.0	16.5	10.3	4.8	.3
Mar	10.2	9.8	2	1	22.0	1988	10	27.8	1977	30	1988	11	9	1988	3.1	2.4	.9	.5	.1	8.8	4.7	3.0	.8
Apr	13.5	6.8	1	#	27.0	1974	20	49.2	1974	32	1973	20	10	1973	2.5	2.2	1.4	.7	.1	3.5	2.1	1.6	.8
May	2.9	1.3	#	#	14.0	1997	2	14.0	1997	28	1973	1	7	1978	1.0	1.0	.3	.1	@	.5	.2	.1	.1
Jun	.4	.0	#	0	5.0	1998	4	5.0	1998	4	1976	14	#+	1998	.1	.1	.1	@	.0	@	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.3	.0	#	0	4.0	1999	27	7.0	1996	6	1982	15	#+	2000	.2	.2	.1	.0	.0	.1	.0	.0	.0
Oct	6.2	4.9	#	#	12.0	1994	16	25.4	1994	16+	1998	17	2	1998	1.7	1.5	.9	.4	.1	1.7	1.2	.7	.3
Nov	5.5	6.0	1	1	8.0	1992	23	13.0	1993	12+	1979	21	5+	2000	2.2	2.0	.8	.3	.0	7.1	4.0	1.9	.3
Dec	6.0	5.7	2	2	8.0	1982	2	14.0	1988	11	1972	9	7	1978	2.9	2.4	.9	.2	.0	10.1	5.5	3.1	.5
Ann	60.8	48.8	N/A	N/A	27.0	Apr 1974	20	49.2	Apr 1974	32	Apr 1973	20	10	Apr 1973	19.1	16.2	7.3	2.9	.3	64.2	39.1	22.3	4.1

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: GAS HILLS 4 E, WY

COOP ID: 483801

Climate Division: WY 9

NWS Call Sign:

Elevation: 6,470 Feet

Lat: 42° 50N

Lon: 107° 31W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/27	6/21	6/17	6/14	6/10	6/07	6/04	5/30	5/25
32	6/21	6/14	6/09	6/04	5/31	5/27	5/23	5/17	5/10
28	6/04	5/29	5/25	5/21	5/18	5/15	5/11	5/07	5/01
24	5/22	5/16	5/12	5/09	5/05	5/02	4/29	4/25	4/19
20	5/11	5/06	5/01	4/28	4/25	4/22	4/18	4/14	4/08
16	5/08	4/29	4/23	4/18	4/14	4/09	4/04	3/29	3/21
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/26	8/31	9/04	9/07	9/09	9/12	9/15	9/19	9/24
32	8/30	9/05	9/09	9/12	9/15	9/18	9/22	9/26	10/02
28	9/08	9/14	9/18	9/21	9/25	9/28	10/01	10/05	10/11
24	9/19	9/25	9/29	10/03	10/06	10/09	10/13	10/17	10/23
20	9/29	10/06	10/10	10/14	10/18	10/22	10/26	10/30	11/06
16	10/11	10/17	10/22	10/26	10/29	11/02	11/06	11/11	11/17
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	116	107	101	95	90	85	80	73	65
32	137	126	119	112	106	100	94	86	76
28	153	145	139	134	129	124	119	113	105
24	178	169	163	158	153	148	143	137	128
20	201	193	186	181	175	170	165	158	149
16	233	221	212	205	198	191	184	175	164

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: GAS HILLS 4 E, WY

COOP ID: 483801

Climate Division: WY 9

NWS Call Sign:

Elevation: 6,470 Feet Lat: 42° 50N

Lon: 107° 31W

Degree Days to Selected Base Temperatures (°F)

Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1414	1171	1058	759	495	203	53	66	297	641	1094	1368	8619
60	1259	1031	903	609	350	112	14	20	182	487	944	1213	7124
57	1166	947	810	524	269	71	5	8	127	397	854	1120	6298
55	1104	891	748	467	221	50	2	4	96	339	794	1058	5774
50	949	751	594	334	123	17	0	0	40	211	646	903	4568
32	416	275	138	41	2	0	0	0	0	9	204	376	1461

Cooling Degree Days (1)

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	25	28	103	271	532	829	1087	1052	711	391	100	31	5160
55	0	0	0	8	38	189	376	343	117	9	0	0	1080
57	0	0	0	5	24	150	317	284	88	4	0	0	872
60	0	0	0	0	12	101	233	204	53	1	0	0	604
65	0	0	0	0	2	43	117	95	18	0	0	0	275
70	0	0	0	0	0	13	41	29	4	0	0	0	87

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	24	128	339	626	883	848	519	214	29	0	0	0	24	152	491	1117	2000	2848	3367	3581	3610	3610
45	0	0	3	63	215	479	728	693	383	116	8	0	0	0	3	66	281	760	1488	2181	2564	2680	2688	2688
50	0	0	0	23	114	340	573	539	257	49	0	0	0	0	0	23	137	477	1050	1589	1846	1895	1895	1895
55	0	0	0	5	45	209	418	385	149	14	0	0	0	0	0	5	50	259	677	1062	1211	1225	1225	1225
60	0	0	0	0	8	107	269	237	67	1	0	0	0	0	0	0	8	115	384	621	688	689	689	689
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	19	95	223	397	570	548	339	148	22	0	0	0	19	114	337	734	1304	1852	2191	2339	2361	2361

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20

1971-2000

Station: GILLETTE 6 SE, WY

COOP ID: 483855

Climate Division: WY 6

NWS Call Sign:

Elevation: 4,640 Feet Lat: 44° 15N

Lon: 105° 27W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	30.9	10.0	20.5	67	1981	23	31.5	1981	-36	1930	17	4.3	1979	1380	0	.0	.0	1.5	13.5	29.7	7.5
Feb	36.6	14.8	25.7	70	1982	21	35.2	1992	-40	1936	8	10.9	1989	1100	0	.0	.0	4.8	8.8	26.7	3.9
Mar	45.2	21.5	33.4	78	1943	29	41.0	1986	-23	1960	3	26.0	1996	982	0	.0	.0	12.5	4.7	26.8	1.4
Apr	54.7	29.1	41.9	88	1980	24	47.4	1987	-12	1936	2	34.5	1975	694	0	.0	.0	20.3	1.1	18.0	.1
May	64.5	38.4	51.5	95	1934	28	57.4	1994	11	1954	3	46.8	1983	423	3	.0	.1	28.6	.0	5.0	.0
Jun	76.0	47.7	61.9	104	1954	23	72.0	1988	28	1969	14	55.6	1998	162	67	.1	2.7	29.8	.0	.1	.0
Jul	84.5	54.1	69.3	107+	1981	6	73.3	1988	35	1968	31	61.0	1993	40	173	.7	9.9	31.0	.0	.0	.0
Aug	83.5	53.3	68.4	106	1949	7	74.9	1983	32	1964	20	62.4	1987	60	164	.2	8.5	30.9	.0	.0	.0
Sep	71.8	43.2	57.5	102+	1978	6	64.5	1998	10	1926	25	52.4	1986	259	34	.1	2.3	28.7	.1	2.8	.0
Oct	58.7	32.4	45.6	89+	1963	4	49.2	1979	-12	1925	28	41.3	1984	602	0	.0	.0	24.1	.7	12.8	.1
Nov	42.1	20.3	31.2	75+	1999	12	44.3	1999	-26	1959	16	15.6	1985	1015	0	.0	.0	9.3	6.7	25.6	1.6
Dec	32.9	12.1	22.5	69+	1939	6	30.8	1999	-37	1983	24	5.6	1983	1317	0	.0	.0	3.2	12.7	29.1	5.4
Ann	56.8	31.4	44.1	107+	1981	6	74.9	1983	-40	1936	8	4.3	1979	8034	441	1.1	23.5	224.7	48.3	176.6	20.0

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1925-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20 1971-2000

Station: GILLETTE 6 SE, WY

COOP ID: 483855

Climate Division: WY 6

NWS Call Sign:

Elevation: 4,640 Feet Lat: 44° 15N

Lon: 105° 27W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1)											
														Probability that the monthly/annual precipitation will be equal to or less than the indicated amount											
Means/Medians(1)		Extremes								Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels											
														These values were determined from the incomplete gamma distribution											
Month	Mean	Median	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95	
Jan	.56	.57	.70	1943	14	1.40	1997	.05	1992	7.9	2.0	.1	.0	.08	.12	.20	.28	.36	.45	.55	.68	.85	1.13	1.40	
Feb	.54	.47	1.31	1998	25	1.67	1998	.02	1985	6.4	1.7	.2	@	.07	.11	.19	.27	.34	.43	.53	.66	.83	1.11	1.38	
Mar	1.00	.90	1.60	1933	22	1.96	1998	.36	1979	8.3	3.5	.3	.0	.37	.46	.60	.71	.82	.93	1.05	1.19	1.36	1.64	1.89	
Apr	1.97	1.89	2.43	1993	30	4.76	1999	.20	1981	10.0	5.0	1.0	.2	.34	.52	.80	1.07	1.35	1.65	1.99	2.40	2.95	3.84	4.68	
May	2.95	2.45	3.23	1978	18	11.08	1978	1.04	1973	10.6	6.5	1.8	.5	.80	1.08	1.51	1.88	2.24	2.63	3.05	3.55	4.20	5.22	6.18	
Jun	2.64	2.33	4.10	1964	22	7.96	1993	.36	1996	10.2	6.0	1.7	.4	.73	.98	1.36	1.69	2.02	2.35	2.73	3.17	3.75	4.65	5.50	
Jul	1.78	1.74	2.25	1988	10	3.85	1997	.39	1996	7.9	4.1	1.0	.3	.45	.62	.88	1.10	1.33	1.57	1.83	2.15	2.56	3.20	3.81	
Aug	1.33	1.19	2.82	1960	17	3.96	1977	.30	1971	6.6	3.3	.7	.2	.26	.38	.58	.76	.94	1.13	1.35	1.62	1.97	2.53	3.06	
Sep	1.43	1.24	2.05	1998	13	4.41	1986	.05	1975	6.2	3.2	.9	.2	.22	.35	.55	.75	.95	1.18	1.43	1.74	2.16	2.84	3.49	
Oct	1.57	1.02	2.16	1994	6	6.77	1994	.10	1985	7.2	3.6	.9	.3	.17	.29	.51	.73	.96	1.22	1.53	1.92	2.44	3.31	4.15	
Nov	.70	.72	.90	1964	13	1.68	2000	.05	1981	6.8	2.4	.1	.0	.18	.25	.35	.44	.53	.62	.72	.84	1.00	1.25	1.48	
Dec	.67	.62	.80	1982	24	1.82	1996	.05	1991	7.7	2.4	.1	.0	.12	.18	.28	.37	.46	.56	.68	.81	1.00	1.29	1.57	
Ann	17.14	16.45	4.10	Jun 1964	22	11.08	May 1978	.02	Feb 1985	95.8	43.7	8.8	2.1	11.39	12.47	13.87	14.94	15.90	16.83	17.80	18.88	20.19	22.11	23.79	

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1925-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: GILLETTE 6 SE, WY

COOP ID: 483855

Climate Division: WY 6

NWS Call Sign:

Elevation: 4,640 Feet

Lat: 44° 15N

Lon: 105° 27W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	8.0	8.2	2	2	6.0	1996	17	17.7	1971	11+	1997	16	6	1979	8.0	3.1	.6	.2	.0	19.9	9.9	4.2	.1
Feb	7.5	6.8	1	1	13.0	1998	25	18.6	1971	14+	1998	27	6	1978	7.0	2.8	.6	.2	@	12.7	7.1	2.8	.2
Mar	11.0	9.9	1	1	8.5	1977	29	24.8	1977	15+	1998	11	6	1998	7.5	3.9	1.1	.4	.0	9.4	4.0	1.8	.7
Apr	9.9	9.0	1	1	15.0	1997	5	28.1	1984	21	1997	10	6	1997	5.2	3.1	1.1	.5	.1	3.2	2.1	1.3	.6
May	2.1	.3	#	1	10.0	1975	20	11.0	1978	6	1978	7	1	1984	.9	.6	.3	.1	@	.6	.3	.1	.0
Jun	.1	.0	#	0	2.0	1998	4	3.0	1998	0	0	0	#	1995	.1	.1	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	#	0	.0	0	0	.0	0	1	1995	15	#	1995	.0	.0	.0	.0	.0	@	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.8	.0	#	0	3.6	1980	16	5.4	2000	2+	2000	23	#	2000	.7	.3	.1	.0	.0	.1	.0	.0	.0
Oct	4.7	2.7	#	0	12.0	1971	2	21.5	1971	8	1973	10	1+	1996	2.5	1.4	.6	.2	@	1.7	.9	.3	.0
Nov	8.6	8.0	1	1	10.5	1978	10	23.8	1978	10	1978	11	5	1978	6.1	2.9	.9	.3	@	9.0	4.6	1.7	@
Dec	11.2	9.9	2	1	8.2	1980	1	23.5	1996	19	1996	25	8+	1983	8.4	4.2	.9	.3	.0	18.0	9.9	4.9	.6
Ann	63.9	54.8	N/A	N/A	15.0	Apr 1997	5	28.1	Apr 1984	21	Apr 1997	10	8+	Dec 1983	46.4	22.4	6.2	2.2	.1	74.6	38.8	17.1	2.2

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: GILLETTE 6 SE, WY

COOP ID: 483855

Climate Division: WY 6

NWS Call Sign:

Elevation: 4,640 Feet

Lat: 44° 15N

Lon: 105° 27W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/21	6/14	6/09	6/05	6/01	5/28	5/24	5/19	5/12
32	5/30	5/26	5/23	5/20	5/18	5/16	5/13	5/10	5/05
28	5/16	5/12	5/08	5/05	5/03	4/30	4/27	4/24	4/19
24	5/07	5/01	4/27	4/24	4/21	4/18	4/14	4/10	4/05
20	4/30	4/24	4/20	4/16	4/13	4/09	4/06	4/01	3/26
16	4/22	4/15	4/10	4/05	4/01	3/28	3/24	3/18	3/11
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/06	9/09	9/12	9/14	9/15	9/17	9/19	9/22	9/25
32	9/12	9/15	9/18	9/20	9/22	9/24	9/27	9/29	10/03
28	9/15	9/21	9/25	9/28	10/02	10/05	10/08	10/13	10/18
24	9/20	9/26	10/01	10/04	10/08	10/11	10/15	10/20	10/26
20	10/02	10/08	10/12	10/16	10/20	10/23	10/27	10/31	11/06
16	10/21	10/25	10/28	10/30	11/02	11/04	11/07	11/10	11/14
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	127	120	114	110	105	101	97	91	84
32	141	136	132	129	127	124	121	117	112
28	174	166	161	156	151	147	142	136	128
24	194	186	180	174	169	165	159	153	145
20	215	206	200	194	189	184	179	172	164
16	237	229	223	218	214	209	204	199	191

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: GILLETTE 6 SE, WY

COOP ID: 483855

Climate Division: WY 6

NWS Call Sign:

Elevation: 4,640 Feet Lat: 44° 15N

Lon: 105° 27W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1380	1100	982	694	423	162	40	60	259	602	1015	1317	8034
60	1225	960	827	544	282	83	11	21	154	448	865	1162	6582
57	1132	876	734	457	207	49	3	10	104	357	775	1069	5773
55	1070	820	672	401	164	33	1	5	76	297	715	1007	5261
50	917	689	519	269	79	10	0	1	28	167	577	855	4111
32	423	271	106	17	0	0	0	0	0	4	179	369	1369

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	66	95	146	314	603	896	1156	1127	765	425	155	74	5822
55	0	0	0	7	54	239	444	419	152	5	0	0	1320
57	0	0	0	4	36	195	384	361	119	2	0	0	1101
60	0	0	0	0	17	139	299	280	79	1	0	0	815
65	0	0	0	0	3	67	173	164	34	0	0	0	441
70	0	0	0	0	0	25	84	81	12	0	0	0	202

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	13	62	179	410	691	941	912	562	260	53	9	0	13	75	254	664	1355	2296	3208	3770	4030	4083	4092
45	0	2	24	94	272	542	786	757	424	153	18	1	0	2	26	120	392	934	1720	2477	2901	3054	3072	3073
50	0	0	4	46	157	395	631	602	292	71	4	0	0	0	4	50	207	602	1233	1835	2127	2198	2202	2202
55	0	0	0	16	75	262	477	448	183	27	0	0	0	0	0	16	91	353	830	1278	1461	1488	1488	1488
60	0	0	0	5	29	145	328	302	96	4	0	0	0	0	0	5	34	179	507	809	905	909	909	909
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	12	57	133	257	427	595	580	362	184	45	6	0	12	69	202	459	886	1481	2061	2423	2607	2652	2658

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20

1971-2000

Station: GLENROCK 5 ESE, WY

COOP ID: 483950

Climate Division: WY 8

NWS Call Sign:

Elevation: 4,948 Feet Lat: 42° 50N

Lon: 105° 47W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	37.0	15.7	26.4	66	1953	9	33.8	1990	-34+	1972	14	12.9	1979	1198	0	.0	.0	4.3	9.5	27.6	5.1
Feb	41.5	19.8	30.7	69	1954	8	37.5	1992	-28	1962	28	17.1	1989	961	0	.0	.0	7.5	6.0	23.7	3.1
Mar	49.6	25.6	37.6	80+	1986	28	46.8	1986	-28	1956	12	32.9	1980	849	0	.0	.0	16.7	2.7	24.5	.5
Apr	58.6	32.1	45.4	86+	1989	23	52.8	1987	-2	1968	4	38.0	1973	589	0	.0	.0	22.9	.7	15.3	.0
May	68.8	41.0	54.9	97	1969	27	62.1	1994	17+	1954	3	50.6	1991	322	9	.0	.3	29.6	.0	3.5	.0
Jun	80.8	49.7	65.3	105	1970	27	75.3	1988	26	1951	3	59.4	1998	106	113	.3	6.4	30.0	.0	@	.0
Jul	88.8	55.8	72.3	107	1981	6	76.2	1975	34	1972	4	65.9	1993	12	238	1.4	15.5	31.0	.0	.0	.0
Aug	86.8	54.3	70.6	107+	1979	5	75.5	1982	32	1959	26	66.4	1993	23	195	.3	11.8	31.0	.0	.0	.0
Sep	76.1	43.8	60.0	98+	1998	4	66.4	1998	17+	1985	30	54.7	1985	193	41	.0	2.4	29.1	.1	3.4	.0
Oct	62.5	33.6	48.1	89	1953	1	52.3	1977	-9	1991	31	41.4	1991	526	0	.0	.0	26.4	.5	13.4	.2
Nov	45.8	23.9	34.9	80	1949	6	45.9	1999	-20	1985	23	19.7	1985	905	0	.0	.0	12.2	4.8	23.1	1.2
Dec	38.0	17.7	27.9	67	1973	1	37.4	1980	-40	1990	22	13.3	1983	1151	0	.0	.0	5.7	9.0	27.1	3.6
Ann	61.2	34.4	47.8	107+	1981	6	76.2	1975	-40	1990	22	12.9	1979	6835	596	2.0	36.4	246.4	33.3	161.6	13.7

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Climatology of the United States

No. 20 1971-2000

Station: GLENROCK 5 ESE, WY

COOP ID: 483950

Climate Division: WY 8

NWS Call Sign:

Elevation: 4,948 Feet Lat: 42° 50N

Lon: 105° 47W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
		Means/ Medians(1)		Extremes						Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	.35	.29	.70+	1964	11	1.10	1972	.00	1983	3.7	1.2	.1	.0	.02	.05	.11	.16	.21	.27	.34	.43	.55	.74	.93
Feb	.44	.39	1.10	1997	3	1.33	1997	.00	1979	3.7	1.6	.1	@	.02	.05	.11	.17	.24	.32	.42	.54	.70	.98	1.25
Mar	.76	.57	1.36	1992	8	3.02	1975	.13	1982	5.0	2.4	.3	.1	.13	.20	.31	.41	.52	.63	.77	.93	1.14	1.49	1.82
Apr	1.79	1.54	2.00	1971	19	5.67	1973	.07	1988	7.2	4.3	1.2	.3	.17	.30	.54	.79	1.06	1.37	1.73	2.18	2.81	3.84	4.86
May	2.40	1.90	3.92	1971	5	7.70	1971	.27	1994	8.4	5.0	1.4	.5	.41	.62	.98	1.30	1.64	2.01	2.42	2.93	3.61	4.70	5.74
Jun	1.34	1.12	2.45	1970	12	4.26	1982	.00+	1984	5.5	3.0	.7	.2	.00	.11	.33	.53	.76	1.01	1.30	1.66	2.16	2.99	3.80
Jul	1.11	.82	2.02	1973	19	4.24	1977	.08	2000	4.7	2.8	.5	.2	.10	.18	.33	.49	.66	.85	1.07	1.36	1.75	2.40	3.04
Aug	.72	.66	.98	1957	27	2.09	1997	.02	1996	4.2	2.4	.3	.0	.06	.10	.20	.30	.41	.53	.69	.88	1.14	1.59	2.03
Sep	1.13	.78	2.18	1963	20	5.43	1973	.06	1983	4.7	2.8	.6	.2	.08	.15	.29	.44	.62	.82	1.06	1.37	1.80	2.52	3.24
Oct	1.06	1.00	2.24	1962	6	3.43	1998	.00	1987	4.7	2.9	.6	.1	.09	.21	.38	.54	.70	.87	1.06	1.30	1.62	2.14	2.64
Nov	.70	.65	1.38	1977	19	2.54	1979	.00	1974	3.9	1.9	.3	.1	.03	.09	.19	.29	.40	.53	.67	.86	1.11	1.54	1.95
Dec	.39	.32	.55	1982	1	1.25	1982	.00+	1991	3.8	1.3	.1	.0	.00	.04	.10	.16	.23	.30	.38	.49	.63	.86	1.08
Ann	12.19	11.88	3.92	May 1971	5	7.70	May 1971	.00+	Dec 1991	59.5	31.6	6.2	1.7	6.81	7.76	9.02	10.02	10.92	11.82	12.76	13.83	15.14	17.10	18.84

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: GLENROCK 5 ESE, WY

COOP ID: 483950

Climate Division: WY 8

NWS Call Sign:

Elevation: 4,948 Feet

Lat: 42° 50N

Lon: 105° 47W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	4.2	3.4	1	#	8.0	1972	12	15.9	1980	8	1972	14	4	1987	2.3	1.5	.3	.1	.0	3.6	1.1	.0	.0
Feb	5.3	4.1	#	#	9.0	1995	14	15.2	1993	12	1995	14	1	1995	1.7	.9	.4	.1	.0	2.7	1.1	.2	.1
Mar	3.9	3.1	#	#	13.6	1992	8	13.6	1992	11	1990	7	3	1983	1.4	.9	.3	.2	.1	1.2	.4	.1	.1
Apr	.8	#	#	0	11.5	1973	19	11.5	1973	11	1973	21	6	1981	.3	.2	.1	.1	.0	.1	.1	.1	.0
May	.2	.0	#	0	2.5	1978	4	3.0	1978	3	1973	1	#+	1988	.1	@	.0	.0	.0	.1	@	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	#	.0	#	0	#	1988	19	#+	1988	#+	1994	21	#+	1994	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	1.6	.0	#	0	8.0	1971	28	14.0	1971	14	1971	29	1	1971	.4	.3	.1	.1	.0	.3	.2	.2	.1
Nov	4.5	1.5	#	#	13.3	1977	19	13.6	1977	10	1983	24	2	1991	1.6	1.0	.4	.1	@	.8	.4	.1	.0
Dec	2.5	2.2	1	#	5.0	1987	20	6.6	1990	6	1987	27	4	1978	1.5	1.1	.3	@	.0	2.5	1.5	.3	.0
Ann	23.0	14.3	N/A	N/A	13.6	Mar 1992	8	15.9	Jan 1980	14	Oct 1971	29	6	Apr 1981	9.3	5.9	1.9	.7	.1	11.3	4.8	1.0	.3

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: GLENROCK 5 ESE, WY

COOP ID: 483950

Climate Division: WY 8

NWS Call Sign:

Elevation: 4,948 Feet

Lat: 42° 50N

Lon: 105° 47W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/18	6/12	6/08	6/05	6/01	5/29	5/26	5/22	5/16
32	5/26	5/21	5/17	5/14	5/11	5/08	5/05	5/02	4/27
28	5/12	5/07	5/04	5/02	4/29	4/27	4/24	4/21	4/17
24	5/02	4/27	4/24	4/21	4/19	4/16	4/13	4/10	4/06
20	4/24	4/20	4/16	4/13	4/11	4/08	4/05	4/02	3/28
16	4/22	4/13	4/07	4/01	3/27	3/22	3/16	3/10	3/01
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/04	9/08	9/11	9/13	9/15	9/17	9/20	9/23	9/26
32	9/09	9/13	9/15	9/18	9/20	9/22	9/25	9/27	10/01
28	9/17	9/21	9/25	9/28	10/01	10/04	10/06	10/10	10/15
24	9/23	9/29	10/03	10/07	10/10	10/14	10/17	10/21	10/27
20	10/01	10/08	10/13	10/17	10/21	10/26	10/30	11/04	11/11
16	10/20	10/25	10/28	10/31	11/03	11/05	11/08	11/12	11/16
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	126	119	114	109	105	101	97	92	85
32	151	144	139	135	131	127	123	118	111
28	178	170	164	159	154	149	144	138	129
24	196	189	183	178	174	169	165	159	151
20	222	212	205	199	193	187	181	174	164
16	253	242	234	227	220	213	206	198	187

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: GLENROCK 5 ESE, WY

COOP ID: 483950

Climate Division: WY 8

NWS Call Sign:

Elevation: 4,948 Feet Lat: 42° 50N

Lon: 105° 47W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1198	961	849	589	322	106	12	23	193	526	905	1151	6835
60	1043	821	694	446	195	46	2	5	100	374	755	996	5477
57	950	737	601	364	132	24	0	1	60	290	672	903	4734
55	888	681	540	312	98	15	0	1	40	238	616	842	4271
50	734	547	392	199	39	4	0	0	11	130	479	696	3231
32	262	154	41	10	0	0	0	0	0	4	132	251	854

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	87	117	214	411	710	998	1249	1195	838	501	217	123	6660
55	0	0	1	22	95	323	536	482	188	22	12	1	1682
57	0	0	0	15	67	272	475	421	148	12	8	0	1418
60	0	0	0	7	36	204	383	331	98	3	0	0	1062
65	0	0	0	0	9	113	238	195	41	0	0	0	596
70	0	0	0	0	2	51	119	90	12	0	0	0	274

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	17	36	88	217	477	764	1010	957	605	290	79	32	17	53	141	358	835	1599	2609	3566	4171	4461	4540	4572
45	1	10	38	121	331	614	855	802	462	173	40	9	1	11	49	170	501	1115	1970	2772	3234	3407	3447	3456
50	0	0	14	56	199	467	700	647	323	82	11	0	0	0	14	70	269	736	1436	2083	2406	2488	2499	2499
55	0	0	1	17	100	323	545	492	200	28	0	0	0	0	1	18	118	441	986	1478	1678	1706	1706	1706
60	0	0	0	3	38	197	392	340	107	3	0	0	0	0	0	3	41	238	630	970	1077	1080	1080	1080
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	6	24	73	166	308	479	639	609	410	222	56	12	6	30	103	269	577	1056	1695	2304	2714	2936	2992	3004

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20

1971-2000

Station: GREEN RIVER, WY

COOP ID: 484065

Climate Division: WY 3

NWS Call Sign:

Elevation: 6,077 Feet Lat: 41° 32N

Lon: 109° 29W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	32.6	5.2	18.9	60	1983	9	28.5	1999	-40	1979	1	5.8	1979	1429	0	.0	.0	.7	15.8	30.8	13.1
Feb	37.6	9.0	23.3	68	1951	10	31.8	2000	-41+	1985	2	11.1	1989	1168	0	.0	.0	3.1	9.4	28.2	8.8
Mar	48.3	21.6	35.0	74	1943	29	40.9	1992	-26	1960	1	28.4	1976	932	0	.0	.0	11.9	2.1	30.2	1.1
Apr	58.4	28.3	43.4	86	1939	29	48.7	1992	-2	1922	15	37.8	1975	649	0	.0	.0	22.3	.2	24.4	.0
May	68.6	36.0	52.3	92	1936	31	59.2	2000	13	1972	1	47.0	1995	395	2	.0	.0	29.3	@	11.1	.0
Jun	79.3	43.1	61.2	103	1940	19	67.9	1977	24+	1982	9	56.5	1998	152	38	.0	2.1	29.9	.0	1.6	.0
Jul	86.0	48.8	67.4	104	1954	8	70.7	1998	31+	1968	1	60.8	1993	39	114	.1	7.2	31.0	.0	.0	.0
Aug	84.5	46.5	65.5	100+	1979	6	69.5	2000	26	1992	26	61.7	1975	68	84	@	4.8	31.0	.0	.5	.0
Sep	74.5	36.9	55.7	98	1998	6	63.2	1998	4	1965	18	50.2	1986	290	11	.0	.5	29.2	@	10.2	.0
Oct	62.5	26.6	44.6	89	1947	6	47.2	1988	-5	1975	27	38.8	1984	634	0	.0	.0	26.7	.4	25.8	.1
Nov	44.7	16.2	30.5	73	1931	8	38.4	1999	-19+	1979	30	22.5	2000	1038	0	.0	.0	9.6	5.4	29.7	2.7
Dec	34.6	5.8	20.2	66	1939	11	31.1	1980	-42	1978	31	12.0	1992	1389	0	.0	.0	1.8	14.0	30.8	10.7
Ann	59.3	27.0	43.2	104	Jul 1954	8	70.7	Jul 1998	-42	Dec 1978	31	5.8	Jan 1979	8183	249	.1	14.6	226.5	47.3	223.3	36.5

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1915-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20 1971-2000

Station: GREEN RIVER, WY

COOP ID: 484065

Climate Division: WY 3

NWS Call Sign:

Elevation: 6,077 Feet Lat: 41° 32N

Lon: 109° 29W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1)										
														Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
Means/Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels											
													These values were determined from the incomplete gamma distribution											
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	.42	.37	.55	1956	27	.89	1980	.09	1986	6.0	1.5	.0	.0	.09	.13	.19	.25	.30	.36	.43	.50	.61	.77	.93
Feb	.36	.28	.85	1950	7	1.18	1999	.00	1977	4.2	1.5	@	.0	.03	.06	.12	.17	.23	.29	.36	.44	.55	.74	.91
Mar	.62	.60	1.16	1957	31	1.50	1983	.05	1976	5.5	2.0	.1	.0	.10	.15	.24	.33	.42	.51	.62	.75	.93	1.22	1.50
Apr	.89	.75	1.10	1957	23	2.92	1986	.01	1989	6.4	2.7	.2	.0	.06	.11	.22	.34	.48	.64	.84	1.08	1.43	2.01	2.59
May	1.20	1.15	2.11	1921	8	3.39	1971	.08	1994	8.5	3.7	.5	.0	.13	.23	.39	.56	.74	.94	1.18	1.47	1.87	2.52	3.16
Jun	.79	.59	1.42	1965	10	2.51	1998	.00	1977	5.4	2.3	.3	@	.02	.08	.19	.30	.43	.57	.74	.96	1.27	1.78	2.28
Jul	.75	.51	2.00	1977	24	4.87	1977	.07	1974	5.7	1.9	.3	.1	.07	.12	.22	.32	.44	.57	.72	.92	1.18	1.63	2.07
Aug	.63	.51	1.35	1931	16	1.80	1978	.00+	1985	5.4	2.1	.2	.1	.00	.07	.18	.28	.39	.50	.63	.79	1.01	1.36	1.71
Sep	.84	.66	1.50	1973	11	2.51	1973	.02	1979	5.1	2.1	.3	@	.06	.12	.23	.34	.47	.62	.79	1.01	1.32	1.84	2.35
Oct	.68	.62	1.38	1956	24	1.93	1994	.01+	1988	5.1	2.4	.2	@	.05	.09	.18	.27	.38	.50	.64	.83	1.08	1.51	1.93
Nov	.49	.47	.62	1947	6	1.49	1994	.03	1976	4.8	2.0	.0	.0	.08	.12	.19	.26	.33	.40	.49	.59	.73	.96	1.18
Dec	.35	.25	.80	1981	20	1.18+	1983	.05	1976	5.3	1.3	.1	.0	.05	.07	.12	.17	.22	.28	.34	.42	.53	.71	.88
Ann	8.02	7.50	2.11	May 1921	8	4.87	Jul 1977	.00+	Aug 1985	67.4	25.5	2.2	.2	4.67	5.27	6.06	6.68	7.24	7.80	8.38	9.03	9.84	11.04	12.09

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1915-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: GREEN RIVER, WY

COOP ID: 484065

Climate Division: WY 3

NWS Call Sign:

Elevation: 6,077 Feet

Lat: 41°32N

Lon: 109°29W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	5.2	3.9	2	1	8.0	1979	13	12.1	1979	14	1993	12	8	1992	3.6	2.0	.5	.1	.0	8.8	3.9	2.2	.9
Feb	5.6	5.0	1	1	8.0	1989	2	18.7	1989	8	1989	2	4	1993	3.3	1.9	.4	.2	.0	8.5	5.7	1.2	.0
Mar	4.1	3.1	#	#	8.0	1998	18	12.4	1988	10	1988	11	2	1998	3.1	1.5	.4	.2	.0	3.4	1.2	.4	.1
Apr	3.7	1.5	#	#	10.0	1986	18	17.3	1999	7	1975	26	1	1991	1.1	1.0	.5	.2	@	.7	.4	.1	.0
May	1.1	.0	#	0	10.0	1975	20	10.0	1975	10	1975	20	#+	1999	.3	.2	.1	@	@	.2	.2	.1	.1
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	#	.0	#	0	#	1993	13	#	1993	2	1984	24	#+	1984	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.8	.0	#	0	5.0	1971	28	7.0	1971	7	1971	31	1	1971	.4	.4	.1	@	.0	.6	.3	.2	.0
Nov	4.0	2.8	#	#	5.0	1983	21	14.5	1983	7	1991	2	2	1991	3.0	1.8	.4	.1	.0	3.4	1.0	.3	.0
Dec	6.1	4.6	1	#	8.0	1985	9	19.2	1983	8	1992	15	4	1992	3.7	1.8	.4	.2	.0	8.0	3.6	.8	.0
Ann	30.6	20.9	N/A	N/A	10.0+	Apr 1986	18	19.2	Dec 1983	14	Jan 1993	12	8	Jan 1992	18.5	10.6	2.8	1.0	@	33.6	16.3	5.3	1.1

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States No. 20 1971-2000

Station: GREEN RIVER, WY

COOP ID: 484065

Climate Division: WY 3

NWS Call Sign:

Elevation: 6,077 Feet

Lat: 41° 32N

Lon: 109° 29W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	7/13	7/07	7/03	6/29	6/26	6/23	6/19	6/15	6/10
32	6/23	6/17	6/12	6/08	6/04	5/31	5/27	5/22	5/16
28	6/11	6/04	5/31	5/27	5/24	5/20	5/16	5/12	5/05
24	5/27	5/22	5/18	5/15	5/12	5/09	5/05	5/02	4/26
20	5/13	5/07	5/02	4/29	4/25	4/21	4/18	4/13	4/07
16	4/27	4/19	4/13	4/08	4/03	3/29	3/24	3/18	3/10
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/09	8/15	8/19	8/22	8/26	8/29	9/02	9/06	9/12
32	8/15	8/22	8/27	8/31	9/04	9/08	9/13	9/18	9/25
28	9/06	9/10	9/13	9/15	9/18	9/20	9/22	9/25	9/29
24	9/17	9/20	9/22	9/25	9/27	9/28	10/01	10/03	10/06
20	9/23	9/29	10/02	10/06	10/09	10/12	10/16	10/20	10/25
16	10/08	10/12	10/16	10/19	10/21	10/24	10/27	10/30	11/04
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	86	77	71	65	60	55	49	43	34
32	121	111	104	97	91	86	79	72	62
28	137	130	125	120	116	112	108	103	96
24	154	148	144	140	137	134	130	126	120
20	191	182	176	171	166	162	156	150	142
16	227	218	211	206	200	195	189	183	174

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: GREEN RIVER, WY

COOP ID: 484065

Climate Division: WY 3

NWS Call Sign:

Elevation: 6,077 Feet Lat: 41° 32N

Lon: 109° 29W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1429	1168	932	649	395	152	39	68	290	634	1038	1389	8183
60	1274	1028	777	500	253	67	7	19	170	479	888	1234	6696
57	1181	944	684	414	178	35	1	7	112	387	798	1141	5882
55	1119	888	622	358	136	20	0	3	80	327	738	1079	5370
50	964	748	470	230	58	4	0	0	27	189	588	924	4202
32	455	309	79	10	0	0	0	0	0	3	156	407	1419

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	48	65	170	351	629	875	1098	1038	710	392	109	41	5526
55	0	0	0	9	52	205	386	329	100	3	0	0	1084
57	0	0	0	5	33	160	325	270	72	1	0	0	866
60	0	0	0	1	14	103	238	190	40	0	0	0	586
65	0	0	0	0	2	38	114	84	11	0	0	0	249
70	0	0	0	0	0	8	36	23	2	0	0	0	69

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	26	129	356	612	845	788	454	182	12	0	0	0	26	155	511	1123	1968	2756	3210	3392	3404	3404
45	0	0	2	58	220	463	690	633	313	80	0	0	0	0	2	60	280	743	1433	2066	2379	2459	2459	2459
50	0	0	0	17	117	319	535	479	187	22	0	0	0	0	0	17	134	453	988	1467	1654	1676	1676	1676
55	0	0	0	1	47	192	381	330	88	2	0	0	0	0	0	1	48	240	621	951	1039	1041	1041	1041
60	0	0	0	0	7	91	233	182	27	0	0	0	0	0	0	0	7	98	331	513	540	540	540	540
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	5	44	137	277	427	552	532	363	211	35	0	0	5	49	186	463	890	1442	1974	2337	2548	2583	2583

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: HEART MOUNTAIN, WY

COOP ID: 484411

Climate Division: WY 4

NWS Call Sign:

Elevation: 4,790 Feet Lat: 44° 42N

Lon: 108° 57W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	32.5	11.2	21.9	68	1953	11	32.1	1983	-34+	1963	12	3.6	1979	1337	0	.0	.0	2.9	13.0	30.0	8.6
Feb	39.8	16.6	28.2	71	1982	21	37.4	1991	-38	1989	3	8.9	1989	1031	0	.0	.0	7.4	7.0	26.9	4.2
Mar	49.4	23.9	36.7	80+	1986	28	46.0	1986	-23	1955	25	27.1	1996	878	0	.0	.0	16.2	2.4	27.0	1.1
Apr	59.3	31.9	45.6	87	1987	28	53.5	1987	1	1966	20	36.2	1975	583	0	.0	.0	24.3	.5	17.8	.0
May	68.1	40.8	54.5	93	1987	8	60.4	1987	14+	1967	4	49.6	1996	336	8	.0	.2	29.4	.0	5.1	.0
Jun	78.1	48.3	63.2	101	1954	23	72.3	1988	28+	1951	3	56.2	1998	131	76	.0	3.1	29.9	.0	.3	.0
Jul	84.1	53.1	68.6	101	1955	18	73.1	1988	34	1952	7	60.7	1993	37	150	@	7.0	31.0	.0	.0	.0
Aug	83.0	51.9	67.5	100+	1983	7	73.1	1983	32+	1992	25	62.4	1980	59	134	@	4.7	31.0	.0	.1	.0
Sep	72.9	43.1	58.0	97	1950	4	64.1	1998	12+	1985	30	53.1	1985	236	26	.0	.6	28.9	.1	4.5	.0
Oct	60.5	34.1	47.3	85+	1970	4	53.0	1988	-10	1971	30	43.1	1971	549	0	.0	.0	25.8	.6	15.7	.1
Nov	43.2	22.3	32.8	74	1999	13	43.5	1999	-25	1959	16	17.3	1985	968	0	.0	.0	10.0	5.6	26.3	2.1
Dec	34.1	13.6	23.9	68+	1980	27	32.9	1976	-36+	1990	22	7.4	1983	1276	0	.0	.0	3.6	12.2	30.0	6.2
Ann	58.8	32.6	45.7	101+	1955	18	73.1+	1988	-38	1989	3	3.6	1979	7421	394	.0	15.6	240.4	41.4	183.7	22.3

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1949-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20 1971-2000

Station: HEART MOUNTAIN, WY

COOP ID: 484411

Climate Division: WY 4

NWS Call Sign:

Elevation: 4,790 Feet Lat: 44° 42N

Lon: 108° 57W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount											
		Means/Medians(1)		Extremes						Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution											
Month	Mean	Median	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95	
Jan	.29	.19	.57	1998	11	.87+	1998	.00	1988	4.5	.7	@	.0	.02	.05	.09	.14	.18	.23	.29	.35	.45	.60	.75	
Feb	.24	.19	.45	2000	25	.73	1978	.00+	1992	4.1	.8	.0	.0	.00	.00	.07	.11	.15	.20	.25	.31	.38	.51	.64	
Mar	.60	.54	.80	1977	29	2.55	1977	.00	1999	5.7	2.1	.2	.0	.05	.12	.22	.31	.40	.49	.60	.74	.91	1.20	1.48	
Apr	.86	.68	1.35	1963	27	2.23	1971	.04	1985	6.2	2.8	.2	@	.09	.15	.27	.39	.52	.66	.83	1.05	1.34	1.83	2.31	
May	1.88	1.80	2.48	1988	7	4.25	1981	.18	1976	9.5	4.8	1.2	.2	.37	.54	.82	1.07	1.32	1.60	1.91	2.29	2.79	3.58	4.34	
Jun	1.32	1.24	3.17	2001	13	3.43	1992	.06	1978	8.5	4.0	.6	.1	.19	.29	.48	.67	.86	1.07	1.31	1.61	2.01	2.67	3.30	
Jul	1.09	.95	1.67	1951	10	2.96	1997	.02	1996	7.6	3.5	.3	@	.13	.21	.36	.51	.68	.86	1.07	1.33	1.69	2.27	2.85	
Aug	.59	.47	1.37	1965	20	2.15	1972	.06	1975	5.9	2.3	.1	.0	.10	.15	.24	.32	.40	.49	.60	.72	.89	1.17	1.43	
Sep	.90	.74	1.33	1961	19	2.51	1991	.07	1993	5.9	2.6	.4	.1	.09	.16	.28	.41	.54	.69	.87	1.10	1.40	1.91	2.40	
Oct	.77	.59	.92	1974	31	2.22	1975	.06	1988	4.8	2.5	.2	.0	.08	.14	.24	.35	.46	.59	.75	.93	1.19	1.62	2.04	
Nov	.39	.28	.75	1990	2	.95	1978	.05	1976	4.3	1.3	.1	.0	.06	.10	.15	.21	.26	.32	.39	.47	.58	.76	.94	
Dec	.26	.18	1.00	1996	25	1.16	1996	.00	1986	4.1	.7	@	@	.01	.04	.07	.11	.15	.20	.25	.32	.41	.56	.70	
Ann	9.19	9.40	3.17	Jun 2001	13	4.25	May 1981	.00+	Mar 1999	71.1	28.1	3.3	.4	6.09	6.67	7.42	8.00	8.51	9.02	9.54	10.12	10.83	11.86	12.77	

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1949-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: HEART MOUNTAIN, WY

COOP ID: 484411

Climate Division: WY 4

NWS Call Sign:

Elevation: 4,790 Feet

Lat: 44° 42N

Lon: 108° 57W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	5.7	4.0	2	1	12.0	1998	11	18.0	1998	16	2000	12	6	1987	2.5	1.6	.4	.2	.1	8.6	5.4	3.5	.5
Feb	4.3	3.2	1	#	6.0	1994	24	11.5	1994	7	1981	9	4	1989	2.3	1.5	.5	.1	.0	3.2	1.5	.6	.0
Mar	8.4	6.3	1	#	8.0	1977	29	25.5	1977	6+	1996	7	4	1983	3.2	2.4	.8	.3	.0	2.3	1.2	.2	.0
Apr	4.0	2.0	#	0	8.0	1976	26	16.9	1991	16	1991	14	3	1991	1.5	1.4	.5	.1	.0	1.0	.6	.4	.2
May	.1	.0	#	0	3.0	1973	1	3.0	1973	6	1983	12	#+	1991	@	@	@	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.6	.0	0	0	9.0	2000	22	11.0	2000	18	1982	14	2	1982	.1	.1	.1	@	.0	.1	.1	.1	.0
Oct	3.6	.8	#	#	12.0	1992	14	19.2	1991	12	1971	2	6	1971	1.0	.8	.5	.2	@	1.1	.8	.6	.0
Nov	4.4	3.8	1	#	8.0	1997	25	10.0+	1997	16	1986	14	9	1986	2.5	1.8	.5	.1	.0	4.6	1.2	.5	.0
Dec	4.3	4.0	2	1	18.0	1996	25	18.0	1996	20	1996	27	12	1985	2.7	2.3	.3	.1	@	7.5	2.0	.1	.0
Ann	35.4	24.1	N/A	N/A	18.0	Dec 1996	25	25.5	Mar 1977	20	Dec 1996	27	12	Dec 1985	15.8	11.9	3.6	1.1	.1	28.4	12.8	6.0	.7

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States No. 20 1971-2000

Station: HEART MOUNTAIN, WY

COOP ID: 484411

Climate Division: WY 4

NWS Call Sign:

Elevation: 4,790 Feet

Lat: 44° 42N

Lon: 108° 57W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/27	6/20	6/15	6/10	6/06	6/02	5/28	5/23	5/15
32	6/07	6/01	5/28	5/25	5/21	5/18	5/15	5/10	5/05
28	5/23	5/18	5/15	5/12	5/09	5/06	5/03	4/29	4/24
24	5/08	5/03	4/29	4/26	4/22	4/19	4/16	4/12	4/07
20	4/26	4/20	4/16	4/12	4/09	4/05	4/02	3/28	3/22
16	4/23	4/15	4/10	4/05	4/01	3/28	3/23	3/18	3/10
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/24	8/30	9/03	9/06	9/09	9/12	9/15	9/19	9/24
32	9/04	9/08	9/11	9/14	9/16	9/19	9/22	9/25	9/29
28	9/11	9/16	9/20	9/23	9/25	9/28	10/01	10/05	10/10
24	9/23	9/29	10/03	10/06	10/09	10/13	10/16	10/20	10/26
20	9/28	10/04	10/08	10/12	10/15	10/19	10/23	10/27	11/02
16	10/07	10/13	10/18	10/22	10/26	10/29	11/02	11/07	11/13
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	124	114	106	100	94	89	82	75	65
32	137	131	126	121	117	113	109	104	97
28	161	154	148	143	139	135	130	124	117
24	194	185	179	174	169	164	159	153	145
20	216	207	200	194	189	184	178	171	162
16	237	226	219	213	207	201	194	187	177

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: HEART MOUNTAIN, WY

COOP ID: 484411

Climate Division: WY 4

NWS Call Sign:

Elevation: 4,790 Feet Lat: 44° 42N

Lon: 108° 57W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1337	1031	878	583	336	131	37	59	236	549	968	1276	7421
60	1182	891	723	439	205	60	9	18	130	395	818	1121	5991
57	1089	807	630	357	142	32	2	7	82	305	733	1028	5214
55	1027	756	570	305	106	20	1	4	57	251	677	966	4740
50	875	625	426	193	43	5	0	0	17	134	538	817	3673
32	386	237	71	9	0	0	0	0	0	4	167	345	1219

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	72	130	216	416	695	936	1135	1098	780	478	189	92	6237
55	0	5	1	22	89	265	423	389	146	12	9	0	1361
57	0	0	0	14	62	217	362	330	112	4	4	0	1105
60	0	0	0	6	32	155	276	248	70	1	0	0	788
65	0	0	0	0	8	76	150	134	26	0	0	0	394
70	0	0	0	0	1	27	64	56	7	0	0	0	155

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	4	17	67	207	442	683	873	835	526	246	43	8	4	21	88	295	737	1420	2293	3128	3654	3900	3943	3951
45	0	3	26	118	302	533	718	680	384	141	15	1	0	3	29	147	449	982	1700	2380	2764	2905	2920	2921
50	0	0	6	55	174	386	563	525	257	62	3	0	0	0	6	61	235	621	1184	1709	1966	2028	2031	2031
55	0	0	0	19	88	248	408	371	143	20	0	0	0	0	0	19	107	355	763	1134	1277	1297	1297	1297
60	0	0	0	3	31	132	256	225	65	3	0	0	0	0	0	3	34	166	422	647	712	715	715	715
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	2	23	71	173	294	436	552	537	360	194	38	7	2	25	96	269	563	999	1551	2088	2448	2642	2680	2687

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20

1971-2000

Station: HULETT, WY

COOP ID: 484760

Climate Division: WY 6

NWS Call Sign:

Elevation: 3,758 Feet Lat: 44° 41N

Lon: 104° 36W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	31.3	6.7	19.0	65	1954	7	28.1	1981	-44	1949	24	3.9	1979	1426	0	.0	.0	1.9	10.4	30.8	6.8
Feb	38.4	13.1	25.8	70	1951	10	34.8	1991	-38	1996	2	12.3	1989	1100	0	.0	.0	5.2	8.1	27.5	4.1
Mar	46.7	20.4	33.6	76	1993	25	41.6	1986	-27	1996	8	24.2	1996	976	0	.0	.0	13.4	4.8	28.9	1.7
Apr	56.6	29.8	43.2	85+	1962	24	50.0	1981	-2+	1997	11	36.7	1997	654	0	.0	.0	21.6	.9	19.8	.1
May	67.0	39.8	53.4	98	1969	27	58.7	1977	8	1954	1	48.6	1995	363	4	.0	.3	28.9	.0	4.6	.0
Jun	78.1	49.0	63.6	103	1961	29	72.6	1988	24	1950	3	57.0	1998	121	78	.1	2.7	29.9	.0	.6	.0
Jul	85.4	53.8	69.6	103+	1960	20	73.0	1989	35	1958	6	62.5	1993	33	175	1.0	10.9	31.0	.0	.0	.0
Aug	84.9	51.6	68.3	102+	1969	11	74.4	1983	25	1951	24	62.9	1992	54	154	.3	9.1	30.9	.0	.1	.0
Sep	74.6	41.2	57.9	100	1998	5	64.7	1998	17	1958	30	51.2	1993	243	30	.1	2.5	29.0	.0	4.7	.0
Oct	61.2	31.2	46.2	95	1953	1	49.1	1975	-16+	1991	31	42.4	1991	582	0	.0	@	24.9	.6	17.0	@
Nov	42.7	19.2	31.0	78	1999	1	41.7	1999	-23	1959	16	16.5	1985	1022	0	.0	.0	10.2	6.0	27.5	1.6
Dec	34.3	10.2	22.3	65	1998	2	30.0	1999	-33	1964	17	5.2	1983	1325	0	.0	.0	3.3	10.6	30.7	5.1
Ann	58.4	30.5	44.5	103+	Jun 1961	29	74.4	Aug 1983	-44	Jan 1949	24	3.9	Jan 1979	7899	441	1.5	25.5	230.2	41.4	192.2	19.4

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20 1971-2000

Station: HULETT, WY

COOP ID: 484760

Climate Division: WY 6

NWS Call Sign:

Elevation: 3,758 Feet Lat: 44° 41N

Lon: 104° 36W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1)											
														Probability that the monthly/annual precipitation will be equal to or less than the indicated amount											
Means/Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels												
													These values were determined from the incomplete gamma distribution												
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95	
Jan	.60	.49	.75	1949	4	1.59	1971	.11	1995	6.6	1.5	@	.0	.14	.20	.29	.36	.44	.52	.62	.73	.87	1.10	1.32	
Feb	.57	.52	.77	2000	25	1.39	1998	.06	1992	6.3	1.7	.1	.0	.10	.15	.23	.31	.39	.48	.58	.70	.86	1.12	1.37	
Mar	1.08	1.07	.91	1972	24	2.05	1983	.31	1978	8.6	2.8	.4	@	.38	.48	.63	.75	.87	.99	1.12	1.28	1.47	1.78	2.06	
Apr	1.76	1.56	1.86	1992	19	3.38	1973	.38	1987	9.8	4.9	1.0	.2	.52	.69	.94	1.16	1.37	1.59	1.83	2.11	2.48	3.06	3.59	
May	2.44	2.07	2.47	1995	9	5.46	1995	.72	1980	12.7	6.9	1.6	.2	.80	1.04	1.38	1.67	1.94	2.23	2.55	2.91	3.39	4.12	4.80	
Jun	2.87	2.77	3.21	1993	8	7.76	1993	.87	1996	13.2	6.6	1.5	.5	.95	1.22	1.62	1.96	2.29	2.62	2.99	3.42	3.97	4.83	5.62	
Jul	1.92	1.89	3.10	1962	13	3.41	1999	.35	1971	9.9	5.1	1.1	.3	.74	.92	1.17	1.38	1.58	1.79	2.01	2.26	2.58	3.08	3.53	
Aug	1.28	1.25	2.26	1960	17	2.80	1972	.25+	2000	8.4	3.5	.5	.1	.40	.52	.70	.86	1.00	1.16	1.33	1.53	1.79	2.19	2.56	
Sep	1.11	.90	2.20	1971	5	3.03	1971	.23	1975	7.1	3.4	.5	.2	.30	.40	.56	.70	.84	.98	1.14	1.33	1.58	1.96	2.32	
Oct	1.75	1.02	3.80	1971	2	6.65	1998	.25	1987	7.4	3.7	.8	.4	.16	.28	.52	.76	1.02	1.33	1.68	2.13	2.75	3.77	4.78	
Nov	.82	.66	2.34	2000	1	4.18	2000	.13	1975	7.4	2.3	.2	@	.13	.20	.32	.43	.55	.67	.82	1.00	1.24	1.64	2.01	
Dec	.70	.70	.57	1996	2	1.64	1996	.04	1991	9.1	2.5	.1	.0	.11	.17	.27	.37	.47	.58	.70	.85	1.05	1.38	1.69	
Ann	16.90	16.01	3.80	Oct 1971	2	7.76	Jun 1993	.04	Dec 1991	106.5	44.9	7.8	1.9	11.36	12.40	13.76	14.79	15.72	16.62	17.55	18.59	19.86	21.70	23.31	

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: HULETT, WY

COOP ID: 484760

Climate Division: WY 6

NWS Call Sign:

Elevation: 3,758 Feet

Lat: 44° 41N

Lon: 104° 36W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	15.2	15.0	5	6	6.5	1971	30	31.1	1971	20	1973	1	10	1994	7.2	5.7	1.2	.2	.0	-9.9	-9.9	-9.9	-9.9
Feb	8.1	7.3	5	2	8.0	1998	25	16.0	1998	20	1994	1	14	1994	4.0	3.2	1.1	.4	.0	-9.9	-9.9	-9.9	-9.9
Mar	8.8	9.0	3	2	11.0	1973	14	15.1	1973	16	1998	6	8	1996	4.3	4.0	1.4	.5	.1	-9.9	-9.9	-9.9	-9.9
Apr	9.1	7.5	1	#	21.0	1994	26	24.5	1973	13+	1997	12	4	1997	2.6	2.2	1.3	.7	.1	-9.9	-9.9	-9.9	-9.9
May	.9	.0	#	0	5.0	1975	20	5.3	1975	3	1975	1	#+	1996	.4	.3	.2	.1	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.5	1973	18	.5	1973	0	0	0	0	0	.1	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	#	.0	0	0	#	1972	25	#	1972	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	3.1	1.0	#	#	9.0	1971	2	10.0	1991	8	1971	30	1	1998	1.3	1.1	.5	.2	.0	.9	.6	.2	.0
Nov	9.1	8.3	2	1	10.0	1999	19	16.6	1971	12	2000	8	7	2000	4.5	3.6	.9	.5	.2	8.5	4.2	1.7	.1
Dec	9.4	7.6	3	1	10.0	1972	29	35.3	1972	24	1972	31	9	1996	3.8	3.2	1.0	.3	.2	-9.9	-9.9	-9.9	-9.9
Ann	63.7	55.7	N/A	N/A	21.0	Apr 1994	26	35.3	Dec 1972	24	Dec 1972	31	14	Feb 1994	28.2	23.3	7.6	2.9	.6	-9.9	-9.9	-9.9	-9.9

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States No. 20 1971-2000

Station: HULETT, WY

COOP ID: 484760

Climate Division: WY 6

NWS Call Sign:

Elevation: 3,758 Feet

Lat: 44° 41N

Lon: 104° 36W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/29	6/22	6/17	6/13	6/09	6/05	5/31	5/26	5/19
32	6/18	6/10	6/05	5/31	5/27	5/23	5/18	5/12	5/05
28	5/24	5/18	5/13	5/10	5/06	5/03	4/29	4/25	4/19
24	5/06	5/02	4/29	4/27	4/24	4/22	4/19	4/17	4/12
20	4/28	4/24	4/21	4/18	4/16	4/13	4/10	4/07	4/03
16	4/19	4/12	4/08	4/04	4/01	3/28	3/24	3/20	3/14
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/03	9/06	9/08	9/10	9/12	9/13	9/15	9/17	9/20
32	9/07	9/11	9/13	9/16	9/18	9/20	9/22	9/25	9/28
28	9/11	9/17	9/21	9/25	9/28	10/02	10/05	10/10	10/15
24	9/17	9/24	9/28	10/03	10/06	10/10	10/14	10/19	10/26
20	10/01	10/07	10/12	10/15	10/19	10/22	10/26	10/30	11/06
16	10/14	10/20	10/25	10/29	11/02	11/06	11/10	11/15	11/21
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	115	108	103	98	94	90	86	80	73
32	140	131	124	118	113	108	102	96	87
28	172	162	155	150	144	139	133	126	117
24	189	181	174	169	164	159	154	148	139
20	207	200	194	190	186	181	177	171	164
16	239	231	225	220	215	210	204	198	190

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: HULETT, WY

COOP ID: 484760

Climate Division: WY 6

NWS Call Sign:

Elevation: 3,758 Feet Lat: 44° 41N

Lon: 104° 36W

Degree Days to Selected Base Temperatures (°F)

Base	Heating Degree Days (1)												
	Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
65	1426	1100	976	654	363	121	33	54	243	582	1022	1325	7899
60	1271	960	821	505	227	52	8	17	138	427	872	1170	6468
57	1178	876	728	419	158	27	2	7	89	336	782	1077	5679
55	1116	820	666	363	119	16	0	4	63	276	722	1015	5180
50	962	691	516	235	49	3	0	0	20	146	585	862	4069
32	458	281	110	12	0	0	0	0	0	3	185	371	1420

Cooling Degree Days (1)

Base	Cooling Degree Days (1)												
	Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
32	55	105	157	347	664	947	1165	1123	777	444	153	69	6006
55	0	0	0	9	70	274	452	414	150	4	0	0	1373
57	0	0	0	5	47	224	392	355	116	2	0	0	1141
60	0	0	0	1	23	160	305	272	75	0	0	0	836
65	0	0	0	0	4	78	175	154	30	0	0	0	441
70	0	0	0	0	0	28	83	70	9	0	0	0	190

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	6	44	169	433	680	944	901	540	239	40	1	0	6	50	219	652	1332	2276	3177	3717	3956	3996	3997
45	0	0	14	89	292	531	789	746	400	134	11	0	0	0	14	103	395	926	1715	2461	2861	2995	3006	3006
50	0	0	2	38	176	382	634	592	268	62	0	0	0	0	2	40	216	598	1232	1824	2092	2154	2154	2154
55	0	0	0	13	88	247	480	438	162	21	0	0	0	0	0	13	101	348	828	1266	1428	1449	1449	1449
60	0	0	0	0	33	135	328	292	82	4	0	0	0	0	0	0	33	168	496	788	870	874	874	874
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	10	56	144	277	436	599	568	367	195	45	7	0	10	66	210	487	923	1522	2090	2457	2652	2697	2704

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20

1971-2000

Station: JACKSON, WY

COOP ID: 484910

Climate Division: WY 2

NWS Call Sign:

Elevation: 6,230 Feet Lat: 43° 29N

Lon: 110° 46W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	28.2	5.0	16.6	55+	1974	16	25.0	1998	-50	1979	1	3.2	1979	1499	0	.0	.0	@	19.0	30.3	12.4
Feb	33.5	8.1	20.8	58	1986	25	30.5	1995	-44	1956	1	12.7	1985	1238	0	.0	.0	.9	11.6	27.2	9.7
Mar	42.7	17.5	30.1	68	1986	28	37.2	1992	-32	1966	4	21.0	1985	1082	0	.0	.0	6.3	2.8	29.5	2.6
Apr	52.9	24.4	38.7	79	1992	29	44.7	2000	-5	1970	1	32.0	1975	790	0	.0	.0	17.7	.1	26.0	.1
May	63.0	30.8	46.9	83	1954	19	51.1	2000	5	1988	2	43.0	1975	563	0	.0	.0	27.7	.0	19.1	.0
Jun	73.7	37.0	55.4	95	1988	26	61.5	1988	19+	1979	1	50.8	1998	296	6	.0	.5	29.9	.0	8.0	.0
Jul	81.9	40.9	61.4	96	2000	31	65.6	1989	24+	1968	1	54.2	1993	138	26	.0	2.4	31.0	.0	2.5	.0
Aug	81.0	39.2	60.1	98	1981	19	63.0	1982	18	1960	28	56.3	1975	168	17	.0	1.5	31.0	.0	5.0	.0
Sep	71.3	31.4	51.4	93	1956	18	57.0	1998	8	1995	22	46.2	1971	411	1	.0	@	29.0	.0	17.8	.0
Oct	58.6	23.4	41.0	87	1997	1	47.0	1988	2	1972	31	35.5	1984	744	0	.0	.0	24.4	.5	26.1	.0
Nov	40.0	15.8	27.9	66	1999	7	34.2	1999	-27	1955	16	20.7	1979	1114	0	.0	.0	5.6	7.4	28.2	3.6
Dec	28.2	5.9	17.1	55	1995	1	26.2	1996	-49	1978	31	4.8	1986	1486	0	.0	.0	.4	19.6	30.0	12.8
Ann	54.6	23.3	39.0	98	Aug 1981	19	65.6	Jul 1989	-50	Jan 1979	1	3.2	Jan 1979	9529	50	.0	4.4	203.9	61.0	249.7	41.2

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Climatology of the United States

No. 20 1971-2000

Station: JACKSON, WY

COOP ID: 484910

Climate Division: WY 2

NWS Call Sign:

Elevation: 6,230 Feet Lat: 43°29N

Lon: 110°46W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1)											
														Probability that the monthly/annual precipitation will be equal to or less than the indicated amount											
Means/Medians(1)		Extremes								Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels											
														These values were determined from the incomplete gamma distribution											
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95	
Jan	1.39	1.44	1.36	1998	12	2.80	1996	.10	1992	11.3	4.9	.4	@	.27	.40	.60	.79	.98	1.18	1.41	1.69	2.05	2.64	3.19	
Feb	1.07	1.05	1.16	1963	1	2.37	1976	.04	1991	8.0	4.1	.3	.0	.17	.26	.42	.57	.72	.88	1.07	1.30	1.61	2.11	2.59	
Mar	1.16	1.01	1.80	1995	3	4.21	1995	.14	1992	8.8	3.7	.3	@	.18	.28	.45	.61	.77	.95	1.16	1.41	1.75	2.30	2.83	
Apr	1.18	1.25	1.19	1990	28	2.46	1975	.04	1979	7.6	4.3	.3	.1	.18	.28	.45	.62	.78	.97	1.18	1.44	1.78	2.35	2.88	
May	2.21	1.90	1.56	1980	24	6.02	1980	.83	1992	10.9	6.6	1.2	@	.75	.96	1.26	1.52	1.77	2.02	2.30	2.63	3.04	3.69	4.29	
Jun	1.61	1.61	1.26	1998	4	4.19	1998	.22	1986	8.9	4.6	.6	.1	.39	.54	.77	.98	1.19	1.41	1.65	1.95	2.33	2.94	3.51	
Jul	1.28	1.07	1.18	1997	12	3.26	1993	.00	1988	7.5	4.2	.4	.1	.15	.31	.52	.71	.89	1.09	1.32	1.58	1.94	2.51	3.05	
Aug	1.32	1.22	1.20	1971	29	3.27	1983	.23	1996	8.7	4.4	.4	@	.34	.47	.66	.83	.99	1.17	1.36	1.59	1.89	2.36	2.81	
Sep	1.32	1.25	1.16	1966	14	3.24	1983	.03	1979	8.0	3.9	.5	@	.11	.20	.37	.55	.75	.98	1.26	1.61	2.09	2.89	3.68	
Oct	1.22	1.16	1.17	1972	10	3.21	1972	.00	1978	7.8	4.2	.4	.1	.14	.29	.49	.67	.84	1.03	1.24	1.50	1.84	2.38	2.90	
Nov	1.56	1.33	1.50	1983	25	4.24	1988	.10	1976	10.2	5.2	1.0	.1	.24	.37	.59	.81	1.03	1.28	1.56	1.90	2.36	3.12	3.84	
Dec	1.46	1.19	1.40	1964	23	5.27	1996	.16	1979	10.8	5.1	.5	.0	.24	.36	.57	.77	.98	1.20	1.46	1.78	2.20	2.88	3.53	
Ann	16.78	16.12	1.80	Mar 1995	3	6.02	May 1980	.00+	Jul 1988	108.5	55.2	6.3	.5	10.92	12.01	13.43	14.52	15.50	16.45	17.44	18.55	19.90	21.88	23.60	

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: JACKSON, WY

COOP ID: 484910

Climate Division: WY 2

NWS Call Sign:

Elevation: 6,230 Feet

Lat: 43° 29N

Lon: 110° 46W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	15.9	13.6	12	12	13.0	1998	12	40.5	1972	31+	1979	27	29	1979	9.6	5.6	2.1	.6	.1	27.1	25.8	24.4	20.3
Feb	11.8	10.9	15	14	13.0	1998	24	31.1	1978	35	1985	9	29	1979	5.9	4.1	1.4	.6	.1	24.6	23.8	23.4	19.8
Mar	7.7	6.5	10	8	10.0	1971	17	23.8	1985	36	1985	27	28	1985	5.0	2.8	.7	.3	@	20.2	18.2	17.4	13.5
Apr	2.8	1.4	1	1	7.0	1976	26	13.0	1973	30	1985	1	7	1985	1.8	1.1	.2	.1	.0	4.0	3.1	2.7	1.9
May	.9	.0	#	0	8.0	1973	1	8.0	1973	8	1973	1	#	1997	.3	.3	.1	.1	.0	.2	.1	.1	.0
Jun	.2	.0	#	0	4.0	1973	18	5.0	1973	4	1973	18	#	1995	.2	.0	@	.0	.0	.2	@	.0	.0
Jul	.0	.0	#	0	.0	0	0	.0	0	3	1987	22	#	1987	.0	.0	.0	.0	.0	@	@	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.1	.0	#	0	2.0	1971	30	2.0	1971	2	1971	30	#	1971	.0	.0	.0	.0	.0	@	.0	.0	.0
Oct	1.1	.0	#	0	6.0	1971	1	10.5	1971	6	1971	1	#	1991	.7	.4	.1	@	.0	.5	.1	@	.0
Nov	12.3	12.0	3	1	12.0	1989	26	40.2	1985	18+	1985	30	10	1985	5.9	3.8	1.5	.8	.1	10.7	8.7	5.7	2.5
Dec	18.6	18.3	7	2	15.0	1978	18	36.4	1978	33	1978	18	19	1978	9.5	6.4	1.7	.7	.1	22.9	19.4	18.1	10.1
Ann	71.4	62.7	N/A	N/A	15.0	Dec 1978	18	40.5	Jan 1972	36	Mar 1985	27	29+	Feb 1979	38.9	24.5	7.8	3.2	.4	110.4	99.2	91.8	68.1

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: JACKSON, WY

COOP ID: 484910

Climate Division: WY 2

NWS Call Sign:

Elevation: 6,230 Feet

Lat: 43° 29N

Lon: 110° 46W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/02	7/29	7/27	7/24	7/22	7/20	7/18	7/15	7/11
32	7/26	7/20	7/16	7/13	7/10	7/07	7/04	6/30	6/24
28	7/11	7/03	6/28	6/23	6/19	6/14	6/09	6/04	5/27
24	6/14	6/08	6/03	5/30	5/26	5/22	5/18	5/14	5/07
20	5/30	5/23	5/18	5/14	5/10	5/07	5/02	4/28	4/21
16	5/15	5/09	5/04	4/30	4/27	4/23	4/19	4/14	4/08
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	7/30	8/02	8/04	8/06	8/08	8/10	8/12	8/14	8/18
32	7/31	8/06	8/10	8/13	8/16	8/19	8/22	8/26	9/01
28	8/14	8/19	8/23	8/27	8/30	9/03	9/06	9/10	9/16
24	8/28	9/03	9/07	9/10	9/14	9/17	9/20	9/24	9/30
20	9/09	9/14	9/17	9/20	9/23	9/26	9/29	10/02	10/07
16	9/22	9/27	10/01	10/04	10/07	10/10	10/13	10/16	10/21
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	33	27	23	19	16	13	9	5	0
32	60	52	46	41	36	32	26	20	12
28	102	92	84	78	72	66	60	52	42
24	135	127	120	115	110	105	99	93	84
20	160	151	145	140	135	130	125	118	110
16	186	178	172	167	162	157	152	146	138

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: JACKSON, WY

COOP ID: 484910

Climate Division: WY 2

NWS Call Sign:

Elevation: 6,230 Feet Lat: 43° 29N

Lon: 110° 46W

Degree Days to Selected Base Temperatures (°F)

Base	Heating Degree Days (1)												
	Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
65	1499	1238	1082	790	563	296	138	168	411	744	1114	1486	9529
60	1344	1098	927	640	408	169	51	69	268	589	964	1331	7858
57	1251	1014	834	550	318	109	21	32	192	496	874	1238	6929
55	1189	958	772	490	260	77	11	17	147	435	814	1176	6346
50	1034	818	618	347	135	24	1	2	62	285	664	1021	5011
32	501	339	167	27	0	0	0	0	0	9	193	500	1736

Cooling Degree Days (1)

Base	Cooling Degree Days (1)												
	Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
32	24	25	108	227	461	700	912	872	580	288	69	37	4303
55	0	0	0	0	7	87	209	176	37	0	0	0	516
57	0	0	0	0	3	59	158	129	22	0	0	0	371
60	0	0	0	0	1	29	95	72	8	0	0	0	205
65	0	0	0	0	0	6	26	17	1	0	0	0	50
70	0	0	0	0	0	0	4	1	0	0	0	0	5

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	4	69	236	467	673	631	353	110	7	0	0	0	4	73	309	776	1449	2080	2433	2543	2550	2550
45	0	0	0	22	118	322	518	476	219	39	0	0	0	0	0	22	140	462	980	1456	1675	1714	1714	1714
50	0	0	0	1	42	186	363	322	104	8	0	0	0	0	0	1	43	229	592	914	1018	1026	1026	1026
55	0	0	0	0	6	83	211	178	38	0	0	0	0	0	0	0	6	89	300	478	516	516	516	516
60	0	0	0	0	0	22	84	66	7	0	0	0	0	0	0	0	0	22	106	172	179	179	179	179
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	14	87	219	361	496	479	324	163	15	0	0	0	14	101	320	681	1177	1656	1980	2143	2158	2158

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20

1971-2000

Station: JEFFREY CITY, WY

COOP ID: 484925

Climate Division: WY10

NWS Call Sign:

Elevation: 6,320 Feet Lat: 42° 30N

Lon: 107° 50W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	30.1	8.5	19.3	57	1981	22	26.6	1999	-39	1979	2	3.9	1979	1416	0	.0	.0	.3	17.4	30.6	9.0
Feb	34.8	9.9	22.4	60	1982	22	31.1	1991	-38	1985	1	9.9	1989	1195	0	.0	.0	1.2	12.0	27.9	5.7
Mar	44.1	18.7	31.4	72	1986	31	38.2	1986	-26	1965	18	24.6	1998	1042	0	.0	.0	9.3	4.2	29.6	1.2
Apr	53.7	24.7	39.2	79+	2000	29	44.9	1992	-18	1966	20	32.8	1983	773	0	.0	.0	19.9	1.0	23.9	.2
May	64.0	33.7	48.9	92	1964	20	53.9	1992	13+	1997	3	44.0	1983	501	0	.0	.0	28.1	.1	13.9	.0
Jun	76.1	41.7	58.9	98	1964	30	66.1	1988	27	1982	9	52.8	1998	211	28	.0	1.0	29.7	.0	1.6	.0
Jul	84.5	47.8	66.2	96+	1998	18	69.2	1988	32+	1993	8	60.3	1993	51	86	.0	4.8	31.0	.0	.1	.0
Aug	83.0	46.8	64.9	96+	1988	1	69.3	2000	28	1964	25	61.6	1993	71	68	.0	2.9	31.0	.0	.1	.0
Sep	71.6	36.9	54.3	91+	1998	5	60.2	1990	1	1965	18	49.9	1971	329	6	.0	.2	28.5	.1	8.1	.0
Oct	58.7	27.7	43.2	82	1992	2	47.8	1988	-6	1991	31	38.1	1984	675	0	.0	.0	24.4	.9	22.5	.1
Nov	40.4	16.3	28.4	67+	1999	13	39.2	1999	-27+	1993	26	15.4	2000	1100	0	.0	.0	5.7	6.7	28.0	2.5
Dec	30.7	9.8	20.3	58	1980	18	30.0	1980	-38	1983	23	9.4	1978	1386	0	.0	.0	.9	17.6	30.6	6.5
Ann	56.0	26.9	41.5	98	Jun 1964	30	69.3	Aug 2000	-39	Jan 1979	2	3.9	Jan 1979	8750	188	.0	8.9	210.0	60.0	216.9	25.2

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1964-2001

(3) Derived from 1971-2000 serially complete daily data

Climatology of the United States

No. 20 1971-2000

Station: JEFFREY CITY, WY

COOP ID: 484925

Climate Division: WY10

NWS Call Sign:

Elevation: 6,320 Feet Lat: 42° 30N

Lon: 107° 50W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1)											
		Means/Medians(1)		Extremes						Daily Precipitation				Probability that the monthly/annual precipitation will be equal to or less than the indicated amount											
														Monthly/Annual Precipitation vs Probability Levels											
														These values were determined from the incomplete gamma distribution											
Month	Mean	Median	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95	
Jan	.41	.38	.67	1987	6	.91	1987	.00	1989	3.4	1.2	@	.0	.06	.11	.18	.24	.30	.36	.42	.50	.61	.77	.93	
Feb	.35	.32	.93	1989	2	.93	1989	.00	1990	3.3	1.3	.1	.0	.09	.14	.20	.24	.28	.32	.37	.42	.48	.58	.67	
Mar	.87	.80	1.20	1988	11	2.35	1998	.11	1999	5.9	2.2	.3	.1	.19	.27	.40	.51	.63	.75	.89	1.06	1.27	1.62	1.94	
Apr	1.42	1.20	1.16	1979	11	4.02	1999	.17	1989	8.2	4.2	.7	.1	.37	.50	.71	.89	1.07	1.25	1.46	1.71	2.03	2.54	3.01	
May	2.25	1.97	2.53	1965	8	5.57	1978	.22	1994	9.1	4.9	1.4	.1	.53	.74	1.07	1.36	1.66	1.97	2.31	2.73	3.27	4.13	4.94	
Jun	1.08	1.02	1.65	1985	26	3.01	1998	.00	1981	6.6	2.7	.4	@	.07	.18	.35	.51	.67	.86	1.07	1.33	1.68	2.25	2.81	
Jul	.97	.94	1.20	1990	30	3.33	1984	.05	1980	5.5	2.2	.4	.1	.10	.18	.31	.45	.59	.75	.95	1.19	1.51	2.05	2.58	
Aug	.64	.54	1.68	1984	1	2.05	1984	.07	1995	4.7	1.6	.2	@	.10	.15	.25	.34	.43	.53	.64	.78	.97	1.28	1.57	
Sep	.79	.67	1.69	1982	14	2.49	1982	.04	1979	4.8	2.3	.3	.1	.09	.15	.26	.37	.49	.62	.78	.97	1.23	1.66	2.08	
Oct	.78	.61	1.57	1994	4	2.95	1994	.00	1988	4.2	2.4	.3	.1	.03	.09	.20	.32	.44	.58	.75	.96	1.25	1.73	2.20	
Nov	.66	.56	.96	1983	28	2.69	1983	.00+	1989	4.3	2.0	.3	.0	.00	.09	.22	.32	.43	.54	.67	.82	1.03	1.36	1.68	
Dec	.45	.36	.80	1983	20	1.28	1978	.06	1991	3.7	1.8	.1	.0	.07	.11	.17	.23	.30	.37	.45	.55	.68	.89	1.10	
Ann	10.67	10.52	2.53	May 1965	8	5.57	May 1978	.00+	Feb 1990	63.7	28.8	4.5	.6	7.56	8.16	8.92	9.51	10.02	10.52	11.04	11.61	12.31	13.31	14.18	

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1964-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: JEFFREY CITY, WY

COOP ID: 484925

Climate Division: WY10

NWS Call Sign:

Elevation: 6,320 Feet

Lat: 42° 30N

Lon: 107° 50W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	5.3	5.0	2	2	7.5	1987	6	12.0	1995	13	1979	31	7	1979	3.0	2.2	.4	.1	.0	14.3	6.8	1.8	.0
Feb	5.9	5.5	2	1	10.0	1989	2	15.0	1989	14	1989	6	9	1979	3.0	2.5	.5	.3	.1	12.9	3.4	.9	.0
Mar	9.5	7.0	1	1	14.5	1988	11	31.0	1998	15	1998	19	5	1984	3.3	2.9	1.1	.5	.1	7.1	2.7	1.2	.2
Apr	9.5	6.5	1	#	11.0	1999	2	45.5	1999	16	1999	3	4	1999	3.4	3.0	1.5	.7	.1	4.3	1.5	.8	.2
May	3.7	2.0	#	#	10.0	1997	2	12.5	1997	10	1997	2	1	1980	.9	.8	.6	.3	.1	.7	.3	.2	.1
Jun	.3	.0	#	0	4.0	1998	4	6.0	1998	3	1998	4	#+	1998	.1	.1	.1	.0	.0	.1	.1	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	1.2	.0	#	0	8.0	1982	14	13.0	2000	8	1982	14	1+	2000	.3	.3	.1	.1	.0	.1	.1	.1	.0
Oct	5.5	4.4	#	#	9.0	1998	17	17.0	1994	10	1995	23	1	1996	1.5	1.3	.6	.4	.0	1.7	.9	.6	@
Nov	10.6	12.0	1	1	10.9	1979	20	18.2	1978	12	1985	15	4	1978	3.5	3.1	1.4	.7	.1	10.8	5.1	2.3	.2
Dec	4.7	4.3	2	1	5.5	1988	26	15.5	1997	15	1978	3	8	1985	2.8	2.2	.8	.1	.0	17.5	4.3	.7	.0
Ann	56.2	46.7	N/A	N/A	14.5	Mar 1988	11	45.5	Apr 1999	16	Apr 1999	3	9	Feb 1979	21.8	18.4	7.1	3.2	.5	69.5	25.2	8.6	.7

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States No. 20 1971-2000

Station: JEFFREY CITY, WY

COOP ID: 484925

Climate Division: WY10

NWS Call Sign:

Elevation: 6,320 Feet

Lat: 42° 30N

Lon: 107° 50W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	7/11	7/05	7/01	6/27	6/23	6/19	6/15	6/11	6/05
32	6/23	6/17	6/13	6/09	6/06	6/03	5/30	5/26	5/20
28	6/08	6/03	5/30	5/26	5/23	5/20	5/16	5/12	5/06
24	5/26	5/21	5/18	5/15	5/12	5/09	5/06	5/03	4/28
20	5/13	5/07	5/03	4/29	4/26	4/22	4/19	4/14	4/08
16	5/03	4/26	4/21	4/17	4/13	4/09	4/05	3/31	3/24
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/17	8/23	8/27	8/30	9/02	9/05	9/08	9/12	9/18
32	9/01	9/04	9/07	9/09	9/12	9/14	9/16	9/19	9/23
28	9/08	9/12	9/15	9/17	9/19	9/21	9/24	9/26	9/30
24	9/13	9/19	9/22	9/26	9/29	10/02	10/05	10/09	10/14
20	9/27	10/03	10/06	10/10	10/13	10/16	10/19	10/23	10/28
16	10/06	10/12	10/16	10/20	10/23	10/26	10/30	11/03	11/09
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	95	87	80	75	70	65	60	54	45
32	121	113	107	102	97	92	87	81	73
28	140	132	127	123	119	114	110	105	97
24	162	154	149	144	139	135	130	124	116
20	195	186	180	175	170	164	159	153	144
16	222	212	205	199	193	187	180	173	163

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: JEFFREY CITY, WY

COOP ID: 484925

Climate Division: WY10

NWS Call Sign:

Elevation: 6,320 Feet Lat: 42° 30N

Lon: 107° 50W

Degree Days to Selected Base Temperatures (°F)

Base	Heating Degree Days (1)												
	Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
65	1416	1195	1042	773	501	211	51	71	329	675	1100	1386	8750
60	1261	1055	887	623	350	113	11	20	200	520	950	1231	7221
57	1168	971	794	533	266	69	3	7	135	427	860	1138	6371
55	1106	915	732	476	215	47	1	3	99	366	800	1076	5836
50	951	775	577	336	109	14	0	0	36	222	656	921	4597
32	420	307	125	30	1	0	0	0	0	8	222	393	1506

Base	Cooling Degree Days (1)												
	Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
32	27	36	106	247	523	807	1059	1020	667	356	112	30	4990
55	0	0	0	2	24	164	347	310	76	1	0	0	924
57	0	0	0	0	13	126	287	252	52	0	0	0	730
60	0	0	0	0	4	80	201	172	27	0	0	0	484
65	0	0	0	0	0	28	86	68	6	0	0	0	188
70	0	0	0	0	0	7	20	14	1	0	0	0	42

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	1	19	117	294	577	821	796	455	180	20	0	0	1	20	137	431	1008	1829	2625	3080	3260	3280	3280
45	0	0	0	50	171	429	666	641	320	86	4	0	0	0	0	50	221	650	1316	1957	2277	2363	2367	2367
50	0	0	0	16	80	291	511	486	196	28	0	0	0	0	0	16	96	387	898	1384	1580	1608	1608	1608
55	0	0	0	1	25	171	357	334	100	6	0	0	0	0	0	1	26	197	554	888	988	994	994	994
60	0	0	0	0	1	75	213	191	32	0	0	0	0	0	0	0	1	76	289	480	512	512	512	512
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	26	113	230	391	537	527	341	176	19	0	0	0	26	139	369	760	1297	1824	2165	2341	2360	2360

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: KAYCEE, WY

COOP ID: 485055

Climate Division: WY 5

NWS Call Sign:

Elevation: 4,660 Feet Lat: 43° 43N

Lon: 106° 38W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	35.2	5.5	20.4	71	1981	23	30.1	1990	-45	1949	24	1.4	1979	1384	0	.0	.0	5.5	9.6	30.6	9.6
Feb	40.0	11.8	25.9	71	1958	22	36.4	1991	-37	1996	3	10.1	1989	1095	0	.0	.0	8.8	5.8	27.5	5.1
Mar	48.4	20.5	34.5	76+	1986	30	41.2	1986	-23+	1960	3	26.9	1996	947	0	.0	.0	16.9	2.6	28.2	1.2
Apr	56.9	28.6	42.8	87	1992	30	48.5	1992	-5	1975	2	36.7	1997	667	0	.0	.0	22.2	.6	19.6	.1
May	66.4	38.3	52.4	92	1984	30	59.4	1994	12+	1968	11	46.9	1995	396	4	.0	.1	29.1	.0	6.2	.0
Jun	78.6	47.7	63.2	104	1954	23	72.1	1988	25+	1969	14	57.8	1993	134	77	.2	4.6	29.8	.0	.2	.0
Jul	86.5	53.3	69.9	105+	1981	6	74.2	2000	31	1972	4	63.7	1993	31	182	.7	13.5	31.0	.0	@	.0
Aug	85.7	51.0	68.4	107	1979	5	72.9	1983	28+	1964	30	64.1	1974	45	150	.1	12.3	31.0	.0	.0	.0
Sep	74.7	39.6	57.2	101	1978	6	65.0	1998	13	1965	18	51.5	1985	262	26	.1	2.6	29.0	.1	4.7	.0
Oct	61.9	29.3	45.6	88	1992	2	48.8	1988	-5+	1991	31	40.9	1984	601	0	.0	.0	26.2	.4	18.8	.1
Nov	45.3	16.2	30.8	78+	1999	12	44.7	1999	-37	1955	15	14.3	1985	1027	0	.0	.0	12.6	4.5	28.1	2.9
Dec	37.4	8.2	22.8	70	1999	1	33.4	1980	-42	1964	17	5.9	1983	1307	0	.0	.0	6.5	8.2	30.3	6.6
Ann	59.8	29.2	44.5	107	Aug 1979	5	74.2	Jul 2000	-45	Jan 1949	24	1.4	Jan 1979	7896	439	1.1	33.1	248.6	31.8	194.2	25.6

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Climatology of the United States

No. 20 1971-2000

Station: KAYCEE, WY

COOP ID: 485055

Climate Division: WY 5

NWS Call Sign:

Elevation: 4,660 Feet Lat: 43° 43N

Lon: 106° 38W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
		Means/Medians(1)		Extremes						Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Median	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	.44	.41	.66	1987	6	1.28	1972	.02	1992	5.0	1.6	.1	.0	.07	.10	.17	.23	.29	.36	.44	.53	.66	.87	1.07
Feb	.40	.33	.65	1998	9	.99	1993	.00	1992	5.0	1.4	.1	.0	.07	.12	.19	.24	.30	.35	.41	.48	.58	.73	.86
Mar	.81	.67	.69	1977	25	1.75	1972	.27	1994	6.8	2.8	.2	.0	.28	.36	.47	.57	.66	.75	.85	.97	1.12	1.35	1.56
Apr	1.49	1.30	1.41	1964	2	4.62	1973	.00	1987	9.2	4.3	.6	.1	.25	.45	.70	.90	1.11	1.32	1.55	1.83	2.19	2.75	3.29
May	2.56	2.45	1.89	2000	17	7.05	1978	.76	1973	10.7	6.0	1.6	.4	.73	.97	1.34	1.65	1.97	2.29	2.65	3.08	3.63	4.49	5.30
Jun	2.09	1.68	3.62	1964	22	5.47	1995	.35	1979	9.2	5.0	1.2	.2	.44	.63	.94	1.22	1.50	1.80	2.13	2.54	3.08	3.93	4.74
Jul	1.25	1.01	1.25	1982	28	2.80	1982	.11	1996	7.1	3.4	.7	@	.22	.33	.51	.68	.86	1.05	1.27	1.53	1.88	2.44	2.98
Aug	.87	.69	1.46	1960	17	2.48	1980	.12	1985	5.4	2.4	.4	.1	.13	.20	.33	.45	.57	.71	.87	1.06	1.32	1.74	2.15
Sep	1.11	.83	1.19	1962	22	3.74	1982	.20	1983	5.8	3.2	.6	.1	.19	.28	.45	.60	.75	.92	1.12	1.35	1.66	2.17	2.66
Oct	1.28	.90	2.79	1994	17	7.11	1994	.20	1992	5.7	3.2	.8	.2	.16	.26	.45	.63	.81	1.02	1.27	1.57	1.98	2.65	3.29
Nov	.56	.51	.65	1987	2	1.29	1983	.00	1997	5.4	2.0	@	.0	.14	.22	.31	.38	.45	.52	.59	.68	.79	.97	1.13
Dec	.40	.33	.63	1982	2	1.14	1978	.07	1987	5.6	1.5	@	.0	.06	.10	.16	.21	.27	.33	.40	.49	.60	.79	.97
Ann	13.26	12.67	3.62	Jun 1964	22	7.11	Oct 1994	.00+	Nov 1997	80.9	36.8	6.3	1.1	8.07	9.01	10.25	11.22	12.09	12.94	13.84	14.83	16.06	17.88	19.47

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: KAYCEE, WY

COOP ID: 485055

Climate Division: WY 5

NWS Call Sign:

Elevation: 4,660 Feet

Lat: 43° 43N

Lon: 106° 38W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	6.2	5.9	2	1	10.0	2000	27	18.0	2000	16	2000	27	12	1979	4.5	2.8	.5	.2	@	15.8	9.7	6.3	1.8
Feb	5.6	4.0	2	1	11.0	1998	9	15.0	1993	14	1979	2	11	1993	3.9	2.2	.7	.2	@	10.3	4.9	2.8	1.1
Mar	7.6	6.4	1	#	9.0	1989	30	18.9	1977	11	1993	2	3	1993	4.4	2.8	1.1	.2	.0	4.5	1.9	.5	.1
Apr	6.3	5.0	#	#	18.0	1973	19	43.3	1973	20	1973	20	3	1973	3.1	2.1	.7	.3	.1	2.2	1.1	.4	.1
May	.9	.0	#	0	5.0	1975	20	5.5	1979	2	1983	11	#+	1983	.4	.4	.1	@	.0	.1	.0	.0	.0
Jun	.1	.0	#	0	2.0	1998	3	2.0	1998	2	1998	3	#	1998	@	@	.0	.0	.0	@	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.2	.0	#	0	2.0	1995	19	3.0	1995	4+	2000	22	#+	2000	.2	.2	.0	.0	.0	.1	.0	.0	.0
Oct	2.3	1.0	#	#	11.0	1993	9	11.0	1993	11	1993	9	2	1998	1.0	.8	.2	.1	@	1.1	.4	.3	@
Nov	5.5	4.5	1	#	6.0	1985	13	13.0	2000	9	1985	18	4+	2000	3.4	2.3	.7	.2	.0	6.7	3.0	1.0	.0
Dec	6.0	5.1	2	1	8.0	1988	25	15.1	1978	13	1978	14	11	1978	4.8	2.6	.6	.2	.0	12.6	5.8	2.5	1.0
Ann	40.7	31.9	N/A	N/A	18.0	Apr 1973	19	43.3	Apr 1973	20	Apr 1973	20	12	Jan 1979	25.7	16.2	4.6	1.4	.1	53.4	26.8	13.8	4.1

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: KAYCEE, WY

COOP ID: 485055

Climate Division: WY 5

NWS Call Sign:

Elevation: 4,660 Feet

Lat: 43° 43N

Lon: 106° 38W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	7/01	6/22	6/17	6/11	6/07	6/02	5/28	5/22	5/14
32	6/09	6/02	5/29	5/25	5/21	5/17	5/14	5/09	5/02
28	5/18	5/14	5/11	5/09	5/07	5/04	5/02	4/29	4/25
24	5/05	5/02	4/29	4/27	4/25	4/23	4/21	4/18	4/14
20	5/01	4/26	4/21	4/18	4/15	4/11	4/08	4/04	3/29
16	4/20	4/14	4/09	4/06	4/03	3/30	3/27	3/22	3/16
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/28	9/01	9/05	9/07	9/10	9/13	9/16	9/19	9/23
32	9/08	9/11	9/14	9/16	9/18	9/20	9/22	9/25	9/29
28	9/14	9/19	9/23	9/26	9/29	10/02	10/05	10/09	10/14
24	9/19	9/25	9/29	10/03	10/06	10/10	10/13	10/18	10/24
20	9/30	10/05	10/09	10/12	10/15	10/18	10/22	10/25	10/31
16	10/10	10/16	10/19	10/23	10/26	10/29	11/01	11/05	11/10
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	123	113	106	100	95	89	83	76	66
32	141	133	128	123	119	115	110	105	98
28	167	159	154	149	145	140	136	130	123
24	185	178	173	168	164	159	155	149	142
20	207	199	193	188	183	178	173	167	159
16	230	222	216	210	205	200	195	189	180

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: KAYCEE, WY

COOP ID: 485055

Climate Division: WY 5

NWS Call Sign:

Elevation: 4,660 Feet Lat: 43° 43N

Lon: 106° 38W

Degree Days to Selected Base Temperatures (°F)

Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1384	1095	947	667	396	134	31	45	262	601	1027	1307	7896
60	1229	955	792	517	257	62	7	12	153	446	877	1152	6459
57	1136	871	699	431	186	34	2	5	101	354	791	1059	5669
55	1074	815	637	375	144	21	1	2	73	294	736	997	5169
50	921	681	482	245	66	5	0	0	26	162	596	847	4031
32	430	260	69	11	0	0	0	0	0	5	208	368	1351

Cooling Degree Days (1)

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	68	90	145	335	632	934	1174	1128	754	427	170	84	5941
55	0	0	0	8	63	265	461	417	137	3	9	0	1363
57	0	0	0	4	42	217	401	358	105	1	4	0	1132
60	0	0	0	1	21	155	313	272	67	0	0	0	829
65	0	0	0	0	4	77	182	150	26	0	0	0	439
70	0	0	0	0	0	29	88	64	8	0	0	0	189

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	2	18	64	179	423	716	950	908	551	246	50	12	2	20	84	263	686	1402	2352	3260	3811	4057	4107	4119
45	0	0	22	93	278	569	795	753	412	137	18	0	0	0	22	115	393	962	1757	2510	2922	3059	3077	3077
50	0	0	1	37	163	422	641	598	279	59	4	0	0	0	1	38	201	623	1264	1862	2141	2200	2204	2204
55	0	0	0	9	75	280	487	445	167	13	0	0	0	0	0	9	84	364	851	1296	1463	1476	1476	1476
60	0	0	0	0	26	165	336	293	79	0	0	0	0	0	0	0	26	191	527	820	899	899	899	899
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	11	29	85	159	289	451	596	569	388	225	65	21	11	40	125	284	573	1024	1620	2189	2577	2802	2867	2888

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: KEMMERER 2 N, WY

COOP ID: 485105

Climate Division: WY 3

NWS Call Sign:

Elevation: 6,926 Feet Lat: 41° 49N

Lon: 110° 32W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	28.5	4.1	16.3	55	1953	11	25.0	1981	-33	1963	12	6.0	1979	1510	0	.0	.0	.2	19.4	31.0	11.2
Feb	32.2	5.8	19.0	58	1970	27	27.3	1977	-39	1982	5	9.4	1993	1289	0	.0	.0	.5	13.7	28.2	9.0
Mar	40.4	14.8	27.6	67+	1986	30	35.2	1972	-21	1956	12	21.8	1980	1160	0	.0	.0	4.7	5.4	30.8	2.6
Apr	50.7	23.2	37.0	77	1987	28	44.5	1987	-5+	1982	5	31.0	1983	843	0	.0	.0	16.4	1.2	26.4	.4
May	61.9	32.3	47.1	87	1954	20	51.6	1976	7	1983	13	41.5	1983	555	0	.0	.0	26.9	.1	15.5	.0
Jun	72.3	38.9	55.6	98	1954	23	63.3	1988	20+	2001	6	48.5	1998	299	17	.0	.2	29.4	.0	4.9	.0
Jul	80.3	44.3	62.3	94	1979	28	67.5	1979	28+	1995	31	52.4	1993	154	69	.0	1.5	31.0	.0	.7	.0
Aug	78.9	43.1	61.0	96	1971	24	67.7	1971	21+	1992	28	55.6	1993	157	32	.0	.6	31.0	.0	1.7	.0
Sep	68.5	34.4	51.5	92	1976	5	57.1	1979	5	1983	21	46.7	1985	408	1	.0	@	28.6	.1	12.9	.0
Oct	55.8	24.9	40.4	84	1952	8	48.0	1988	-2	1972	31	34.3	1984	764	0	.0	.0	22.9	.7	27.4	.1
Nov	39.0	13.9	26.5	67	1949	5	33.5	1976	-27	1955	16	19.6	2000	1156	0	.0	.0	5.6	9.0	29.6	3.4
Dec	30.3	4.8	17.6	56+	1995	2	26.6	1980	-39	1990	22	8.6	1990	1472	0	.0	.0	.7	17.3	31.0	10.6
Ann	53.2	23.7	38.5	98	1954	23	67.7	1971	-39+	1990	22	6.0	1979	9767	119	.0	2.3	197.9	66.9	240.1	37.3

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20 1971-2000

Station: KEMMERER 2 N, WY

COOP ID: 485105

Climate Division: WY 3

NWS Call Sign:

Elevation: 6,926 Feet Lat: 41° 49N

Lon: 110° 32W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount											
		Means/Medians(1)		Extremes						Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution											
Month	Mean	Median	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95	
Jan	.76	.69	1.25	1954	25	1.72	1980	.04	2000	7.8	2.5	.1	.0	.17	.24	.35	.45	.55	.66	.78	.92	1.11	1.41	1.69	
Feb	.60	.46	1.57	1986	18	3.08	1986	.00+	2000	6.0	2.2	.1	@	.00	.05	.14	.24	.34	.45	.58	.74	.96	1.33	1.69	
Mar	.71	.65	.66	1995	4	1.80	1987	.00+	2000	6.9	2.7	.1	.0	.00	.00	.13	.26	.40	.54	.70	.90	1.17	1.60	2.03	
Apr	.97	.84	1.04	1971	19	2.40	1986	.00+	2000	7.4	3.6	.3	@	.00	.14	.33	.48	.64	.80	.99	1.21	1.50	1.98	2.44	
May	1.18	1.17	1.21	1964	27	2.85	1980	.00	2000	8.1	3.7	.4	.0	.14	.28	.48	.65	.82	1.01	1.21	1.46	1.79	2.31	2.81	
Jun	1.05	.71	1.18	1965	26	4.51	1998	.00	2000	5.9	2.8	.6	.0	.03	.11	.26	.41	.58	.77	.99	1.28	1.68	2.35	3.01	
Jul	.87	.75	1.03	1984	22	2.81	1984	.11	1971	6.0	2.8	.3	.1	.20	.28	.41	.52	.64	.76	.89	1.05	1.26	1.60	1.91	
Aug	1.09	.85	1.21	1983	22	4.06	1983	.11	1996	6.3	2.9	.6	.1	.11	.20	.35	.50	.66	.85	1.06	1.33	1.70	2.31	2.90	
Sep	1.17	1.07	1.50	1983	3	4.58	1982	.00	1974	6.1	3.4	.5	.1	.03	.10	.26	.42	.61	.83	1.09	1.42	1.89	2.67	3.46	
Oct	.90	.88	1.33	1979	19	2.08	1979	.00	1978	6.5	2.9	.3	@	.09	.19	.34	.47	.60	.75	.91	1.10	1.37	1.79	2.19	
Nov	.90	.77	.97	1957	4	3.05	1983	.00+	1999	8.5	2.9	.3	.0	.00	.14	.32	.46	.61	.76	.93	1.13	1.40	1.83	2.25	
Dec	.68	.49	1.01	1985	9	3.21	1983	.00	2000	7.6	2.5	.1	@	.02	.07	.17	.27	.38	.50	.65	.84	1.10	1.53	1.96	
Ann	10.88	10.57	1.57	Feb 1986	18	4.58	Sep 1982	.00+	Dec 2000	83.1	34.9	3.7	.3	5.71	6.59	7.79	8.73	9.60	10.47	11.38	12.42	13.70	15.63	17.34	

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: KEMMERER 2 N, WY

COOP ID: 485105

Climate Division: WY 3

NWS Call Sign:

Elevation: 6,926 Feet

Lat: 41° 49N

Lon: 110° 32W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	9.8	9.2	9	9	9.0	1984	14	19.7	1988	24+	1984	25	23	1984	7.8	4.1	.9	.2	.0	29.4	28.1	28.0	22.9
Feb	8.9	7.1	9	7	10.5	1986	18	23.0	1986	31	1986	18	24	1984	5.6	2.8	.8	.3	@	23.1	22.0	19.3	17.0
Mar	7.5	5.7	4	4	13.0	1995	4	17.1	1990	25	1984	1	18	1984	5.3	2.8	.5	.2	@	16.8	12.4	9.0	5.8
Apr	4.7	2.0	#	#	8.0	1984	20	22.1	1984	9	1984	1	2	1984	2.7	1.6	.5	.2	.0	2.9	1.5	.6	.0
May	1.7	.0	#	0	7.0	1983	11	12.1	1983	11	1983	12	1	1983	1.3	.7	.2	@	.0	.8	.3	.2	@
Jun	.2	.0	#	0	3.0	1998	17	3.0	1998	1	1982	6	#+	1990	.1	.1	@	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	#	0	.0	0	0	.0	0	#	1997	4	#	1997	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.8	.0	#	0	8.0	2000	23	10.6	2000	5	1984	24	#+	1996	.4	.2	.1	.1	.0	.2	@	@	.0
Oct	2.9	2.0	#	#	6.0	1971	27	13.5	1971	12	1971	31	2	1971	1.8	1.0	.2	.1	.0	1.9	.4	.3	.2
Nov	9.8	8.3	2	1	8.0	1983	22	37.6	1983	18	1983	29	7	1984	6.4	3.2	.9	.3	.0	12.8	8.6	5.8	1.0
Dec	14.6	10.7	6	5	20.5	1985	9	46.8	1983	29	1985	10	22	1983	6.7	3.7	1.1	.2	@	22.3	21.2	17.8	11.0
Ann	60.9	45.0	N/A	N/A	20.5	Dec 1985	9	46.8	Dec 1983	31	Feb 1986	18	24	Feb 1984	38.1	20.2	5.2	1.6	@	110.2	94.5	81.0	57.9

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: **KEMMERER 2 N, WY**

COOP ID: 485105

Climate Division: **WY 3**

NWS Call Sign:

Elevation: **6,926 Feet**

Lat: **41° 49N**

Lon: **110° 32W**

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	7/26	7/20	7/16	7/12	7/08	7/05	7/01	6/27	6/21
32	7/13	7/07	7/02	6/28	6/24	6/21	6/17	6/12	6/05
28	7/01	6/22	6/16	6/10	6/05	5/31	5/26	5/20	5/11
24	6/08	6/01	5/27	5/22	5/18	5/13	5/09	5/03	4/26
20	5/23	5/17	5/12	5/08	5/05	5/01	4/27	4/23	4/17
16	5/08	5/02	4/27	4/24	4/20	4/17	4/13	4/09	4/03
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/02	8/08	8/13	8/16	8/20	8/24	8/28	9/01	9/07
32	8/11	8/18	8/22	8/26	8/30	9/03	9/07	9/11	9/18
28	8/25	8/30	9/04	9/07	9/11	9/14	9/18	9/22	9/28
24	9/05	9/10	9/14	9/18	9/21	9/24	9/27	10/01	10/07
20	9/13	9/19	9/24	9/28	10/02	10/05	10/09	10/14	10/20
16	9/25	10/02	10/08	10/13	10/17	10/22	10/27	11/01	11/09
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	72	62	54	48	42	36	30	22	12
32	93	84	77	71	66	60	54	48	38
28	133	120	111	104	97	89	82	73	60
24	152	143	136	131	125	120	114	108	99
20	177	168	161	155	149	143	137	130	121
16	213	201	193	186	179	173	166	157	146

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: KEMMERER 2 N, WY

COOP ID: 485105

Climate Division: WY 3

NWS Call Sign:

Elevation: 6,926 Feet Lat: 41° 49N

Lon: 110° 32W

Degree Days to Selected Base Temperatures (°F)

Base	Heating Degree Days (1)												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
Below													
65	1510	1289	1160	843	555	299	154	157	408	764	1156	1472	9767
60	1355	1149	1005	693	402	182	75	66	267	609	1006	1317	8126
57	1262	1065	912	603	315	126	42	31	193	517	916	1224	7206
55	1200	1009	850	547	260	95	27	17	149	457	856	1162	6629
50	1045	869	696	408	144	37	8	2	67	313	706	1007	5302
32	500	380	205	70	2	0	0	0	0	23	225	471	1876

Cooling Degree Days (1)

Base	Cooling Degree Days (1)												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
Above													
32	12	15	68	217	470	708	939	899	583	282	59	22	4274
55	0	0	0	4	15	113	253	203	43	2	0	0	633
57	0	0	0	0	8	84	205	155	26	1	0	0	479
60	0	0	0	0	2	50	146	96	10	0	0	0	304
65	0	0	0	0	0	17	69	32	1	0	0	0	119
70	0	0	0	0	0	4	23	6	0	0	0	0	33

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	2	68	254	476	704	663	359	112	2	0	0	0	2	70	324	800	1504	2167	2526	2638	2640	2640
45	0	0	0	21	139	333	549	508	225	44	0	0	0	0	0	21	160	493	1042	1550	1775	1819	1819	1819
50	0	0	0	3	59	204	396	353	111	8	0	0	0	0	0	3	62	266	662	1015	1126	1134	1134	1134
55	0	0	0	0	12	99	247	206	38	0	0	0	0	0	0	0	12	111	358	564	602	602	602	602
60	0	0	0	0	0	32	117	83	8	0	0	0	0	0	0	0	0	32	149	232	240	240	240	240
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	11	78	203	347	481	462	297	142	18	0	0	0	11	89	292	639	1120	1582	1879	2021	2039	2039

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20

1971-2000

Station: LA BARGE, WY

COOP ID: 485252

Climate Division: WY 3

NWS Call Sign:

Elevation: 6,595 Feet Lat: 42° 16N

Lon: 110° 12W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	29.3	-4.2	12.6	59	1974	12	20.5	1999	-42+	1985	31	-1.1	1979	1629	0	.0	.0	.1	18.9	30.8	18.1
Feb	33.7	.0	16.9	57	1977	20	24.6	1977	-45+	1985	2	.9	1993	1350	0	.0	.0	1.0	11.3	28.2	13.3
Mar	42.5	13.2	27.9	67	1986	28	35.7	1992	-35	1993	2	19.9	1976	1153	0	.0	.0	7.2	2.7	30.6	3.1
Apr	51.9	22.4	37.2	79	1987	24	44.4	1990	-1	1980	7	30.3	1975	835	0	.0	.0	18.5	.3	27.6	.1
May	63.0	31.9	47.5	84	1993	14	52.6	1992	4	1975	2	42.8	1975	544	0	.0	.0	28.5	.0	17.4	.0
Jun	73.2	38.7	56.0	95	1990	27	62.3	1988	21+	2001	13	50.1	1998	280	9	.0	.3	30.0	.0	4.6	.0
Jul	82.0	43.5	62.8	95	1973	10	66.2	1998	26	1993	7	55.2	1993	114	43	.0	2.8	31.0	.0	.6	.0
Aug	80.5	42.0	61.3	95+	2000	1	65.1	1971	23+	1978	27	57.8	1993	139	23	.0	.9	31.0	.0	3.0	.0
Sep	70.2	32.8	51.5	90	1990	12	57.5	1990	8+	1985	30	46.4	1985	407	2	.0	@	29.0	.1	15.0	.0
Oct	58.2	21.5	39.9	80+	1996	10	45.6	1988	-7	1975	25	31.6	1984	781	0	.0	.0	25.2	.5	28.3	.1
Nov	40.0	8.8	24.4	66+	1983	5	32.7	1995	-29+	1991	3	17.4	2000	1218	0	.0	.0	6.4	6.6	29.4	6.4
Dec	30.5	-2.1	14.2	59	1970	8	24.6	1980	-52	1990	23	2.4	1990	1576	0	.0	.0	.5	16.0	31.0	16.9
Ann	54.6	20.7	37.7	95+	Aug 2000	1	66.2	Jul 1998	-52	Dec 1990	23	-1.1	Jan 1979	10026	77	.0	4.0	208.4	56.4	246.5	58.0

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1958-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20 1971-2000

Station: LA BARGE, WY

COOP ID: 485252

Climate Division: WY 3

NWS Call Sign:

Elevation: 6,595 Feet Lat: 42° 16N

Lon: 110° 12W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
		Means/Medians(1)		Extremes						Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Median	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	.42	.37	.40	1975	8	2.19	1980	.00+	1976	4.7	1.6	.0	.0	.00	.04	.11	.17	.24	.32	.41	.52	.67	.93	1.17
Feb	.41	.35	.50	1995	14	1.18	1976	.00+	1991	4.5	1.4	@	.0	.00	.00	.07	.15	.22	.30	.40	.52	.68	.94	1.20
Mar	.46	.43	.82	1996	23	1.07+	1994	.00+	1997	3.9	1.7	.2	.0	.00	.04	.12	.20	.27	.36	.46	.58	.74	1.01	1.28
Apr	.87	.72	1.21	1991	21	2.59	1978	.00	1998	4.4	2.3	.4	.1	.04	.11	.24	.37	.51	.66	.85	1.08	1.39	1.91	2.43
May	1.53	1.10	1.75	1980	23	7.29	1980	.04	1974	6.6	4.2	.8	.3	.13	.23	.43	.64	.88	1.14	1.46	1.87	2.42	3.36	4.28
Jun	.89	.71	1.05	1969	15	3.13	1995	.00+	2000	5.1	2.4	.4	@	.00	.08	.23	.37	.52	.68	.88	1.11	1.42	1.95	2.46
Jul	.90	.90	1.00	1981	25	2.18	1973	.00+	1988	5.4	2.9	.4	.1	.00	.18	.37	.51	.64	.79	.94	1.12	1.36	1.73	2.09
Aug	.88	.69	2.25	1976	23	2.95	1976	.00+	1988	4.6	2.6	.5	.2	.00	.00	.24	.39	.54	.70	.89	1.12	1.41	1.90	2.36
Sep	.81	.60	1.32	1965	6	2.87	1982	.00+	1975	5.4	2.9	.3	@	.00	.07	.21	.33	.47	.62	.79	1.00	1.30	1.78	2.26
Oct	.61	.52	.94	1998	3	1.74	1971	.00+	1984	3.7	1.7	.3	.0	.00	.00	.16	.26	.37	.48	.61	.77	.97	1.31	1.64
Nov	.50	.48	.45	1973	1	1.83	1983	.00	1999	4.2	2.1	@	.0	.05	.10	.19	.26	.33	.41	.51	.62	.77	1.01	1.23
Dec	.36	.27	2.30	1964	24	1.38	1996	.00+	2000	3.9	1.3	.1	.0	.00	.00	.00	.11	.19	.27	.36	.47	.61	.85	1.07
Ann	8.64	8.53	2.30	Dec 1964	24	7.29	May 1980	.00+	Dec 2000	56.4	27.1	3.4	.7	4.51	5.22	6.17	6.93	7.63	8.32	9.05	9.88	10.91	12.46	13.84

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1958-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: LA BARGE, WY

COOP ID: 485252

Climate Division: WY 3

NWS Call Sign:

Elevation: 6,595 Feet

Lat: 42° 16N

Lon: 110° 12W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	5.5	4.7	4	3	7.0	1996	27	16.3	1996	15	1972	7	13	1972	2.9	1.8	.7	.2	.0	-9.9	-9.9	-9.9	-9.9
Feb	3.8	2.7	4	2	7.6	1987	25	14.0	1995	21	1993	26	16	1993	2.5	1.6	.4	.2	.0	-9.9	-9.9	-9.9	-9.9
Mar	3.8	2.5	1	#	8.2	1996	23	14.0	1990	18	1993	9	9	1993	1.8	1.4	.5	.2	.0	5.3	2.9	1.8	.5
Apr	3.5	2.0	#	0	8.0	1991	21	18.0	1999	7	1999	24	3	1973	1.1	.9	.4	.1	.0	.9	.4	.1	.0
May	1.0	.0	#	0	6.0	2000	10	8.5	1980	4	2000	10	#+	2000	.3	.3	.1	@	.0	.1	.1	.0	.0
Jun	#	.0	#	0	#	2000	18	#+	2000	#	2000	18	#	2000	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	#	0	.0	0	0	.0	0	#	2000	1	#	2000	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	#	0	.0	0	0	.0	0	#	1999	24	#	1999	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.8	.0	#	0	6.8	2000	23	15.8	2000	13	2000	23	1	2000	.2	.2	.2	.1	.0	.3	.3	.2	.1
Oct	.8	.0	#	0	8.0	1971	29	8.0	1993	8	1993	9	1	1996	.4	.2	.2	.1	.0	.8	.3	.1	.0
Nov	4.4	3.0	1	#	7.0	1989	26	26.0	1983	7+	1991	18	6	1971	1.9	1.5	.4	.2	.0	5.2	1.9	1.1	.0
Dec	3.6	1.9	2	#	6.0	1981	30	10.5	1988	12	1971	31	8	1992	2.0	1.4	.6	.2	.0	8.6	4.4	2.2	.0
Ann	27.2	16.8	N/A	N/A	8.2	Mar 1996	23	26.0	Nov 1983	21	Feb 1993	26	16	Feb 1993	13.1	9.3	3.5	1.3	.0	-9.9	-9.9	-9.9	-9.9

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: LA BARGE, WY

COOP ID: 485252

Climate Division: WY 3

NWS Call Sign:

Elevation: 6,595 Feet

Lat: 42° 16N

Lon: 110° 12W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	7/29	7/24	7/20	7/17	7/14	7/11	7/08	7/04	6/29
32	7/12	7/06	7/02	6/28	6/25	6/21	6/18	6/13	6/07
28	6/24	6/16	6/11	6/06	6/02	5/29	5/24	5/19	5/11
24	6/09	6/02	5/28	5/24	5/19	5/15	5/11	5/05	4/28
20	5/23	5/17	5/13	5/09	5/06	5/03	4/29	4/25	4/20
16	5/16	5/09	5/04	4/29	4/25	4/21	4/17	4/11	4/04
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/02	8/06	8/10	8/12	8/15	8/18	8/21	8/24	8/29
32	8/08	8/14	8/19	8/22	8/26	8/29	9/02	9/06	9/13
28	8/20	8/26	8/31	9/04	9/07	9/11	9/15	9/19	9/26
24	9/01	9/06	9/10	9/13	9/16	9/20	9/23	9/27	10/02
20	9/12	9/17	9/21	9/24	9/27	9/30	10/03	10/07	10/12
16	9/17	9/24	9/29	10/03	10/07	10/11	10/15	10/20	10/27
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	53	46	40	36	31	27	22	17	10
32	80	73	69	65	61	58	54	49	43
28	126	116	109	102	97	91	84	77	67
24	147	138	131	125	119	114	108	101	92
20	166	158	152	148	143	139	134	128	121
16	197	186	178	171	164	158	151	143	132

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: LA BARGE, WY

COOP ID: 485252

Climate Division: WY 3

NWS Call Sign:

Elevation: 6,595 Feet Lat: 42° 16N

Lon: 110° 12W

Degree Days to Selected Base Temperatures (°F)

Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1629	1350	1153	835	544	280	114	139	407	781	1218	1576	10026
60	1474	1210	998	685	391	159	39	50	268	626	1068	1421	8389
57	1381	1126	905	595	301	103	16	22	195	533	978	1328	7483
55	1319	1070	843	535	245	72	8	11	152	472	918	1266	6911
50	1164	930	688	394	127	22	1	1	70	324	768	1111	5600
32	619	450	220	53	1	0	0	0	0	22	276	574	2215

Cooling Degree Days (1)

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	13	24	91	208	479	719	953	907	584	264	48	20	4310
55	0	0	0	0	11	101	248	205	47	1	0	0	613
57	0	0	0	0	5	72	194	154	29	0	0	0	454
60	0	0	0	0	1	38	124	89	12	0	0	0	264
65	0	0	0	0	0	9	43	23	2	0	0	0	77
70	0	0	0	0	0	1	8	2	0	0	0	0	11

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	0	66	261	501	719	655	371	110	6	0	0	0	0	66	327	828	1547	2202	2573	2683	2689	2689
45	0	0	0	19	140	353	565	500	236	41	0	0	0	0	0	19	159	512	1077	1577	1813	1854	1854	1854
50	0	0	0	2	57	217	411	346	122	8	0	0	0	0	0	2	59	276	687	1033	1155	1163	1163	1163
55	0	0	0	0	8	103	258	198	40	0	0	0	0	0	0	0	8	111	369	567	607	607	607	607
60	0	0	0	0	0	34	122	76	8	0	0	0	0	0	0	0	0	34	156	232	240	240	240	240
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	16	91	231	372	502	484	327	172	16	0	0	0	16	107	338	710	1212	1696	2023	2195	2211	2211

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20

1971-2000

Station: LA GRANGE, WY

COOP ID: 485260

Climate Division: WY 8

NWS Call Sign:

Elevation: 4,590 Feet Lat: 41° 38N

Lon: 104° 10W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	41.2	14.9	28.1	70	1982	27	37.0	1986	-34	1963	19	16.2	1979	1146	0	.0	.0	7.4	8.6	29.4	5.8
Feb	46.1	19.0	32.6	79	1962	11	39.3	1992	-32+	1982	5	20.6	1989	909	0	.0	.0	10.5	4.9	26.4	3.4
Mar	53.0	24.3	38.7	82	1986	31	45.8	1986	-23	1960	3	33.2	1987	817	0	.0	.0	18.0	2.9	27.3	.9
Apr	62.2	30.8	46.5	88+	1992	30	52.7	1981	-13	1975	2	40.2	1984	555	0	.0	.0	23.8	.3	17.7	@
May	72.0	39.9	56.0	95+	1969	28	61.3	1994	11	1983	12	50.4	1995	294	12	.0	.4	29.6	.0	5.1	.0
Jun	82.6	48.6	65.6	104	1954	23	71.7	1988	27	1951	3	60.6	1982	82	99	.3	6.3	30.0	.0	.2	.0
Jul	89.5	54.5	72.0	107	1954	11	74.7	1976	35	1952	8	68.5	1992	3	220	1.3	15.2	31.0	.0	.0	.0
Aug	87.8	52.5	70.2	109	1995	7	74.9	1983	32	1964	30	65.9	1998	25	185	.3	11.6	31.0	.0	.0	.0
Sep	78.5	43.1	60.8	100	1978	7	65.0	1977	9	1985	30	56.6	1974	165	39	@	2.9	29.2	@	4.0	.0
Oct	66.0	32.2	49.1	90+	1967	3	52.9	1973	-5	1991	29	42.2	1976	493	0	.0	.0	26.9	.5	16.8	.1
Nov	50.3	22.5	36.4	83	1999	7	46.0	1999	-26	1976	27	27.9+	2000	858	0	.0	.0	14.9	3.8	26.6	1.4
Dec	42.4	15.8	29.1	70+	1996	9	38.1	1980	-35+	1990	22	15.4	1983	1114	0	.0	.0	8.2	7.1	29.0	4.4
Ann	64.3	33.2	48.8	109	Aug 1995	7	74.9	Aug 1983	-35+	Dec 1990	22	15.4	Dec 1983	6461	555	1.9	36.4	260.5	28.1	182.5	16.0

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Climatology of the United States

No. 20 1971-2000

Station: LA GRANGE, WY

COOP ID: 485260

Climate Division: WY 8

NWS Call Sign:

Elevation: 4,590 Feet Lat: 41° 38N

Lon: 104° 10W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount											
		Means/Medians(1)		Extremes						Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution											
Month	Mean	Median	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95	
Jan	.54	.53	1.00	1988	19	1.45	1988	.00	1989	4.5	1.9	.2	@	.03	.08	.16	.24	.33	.42	.53	.66	.84	1.15	1.44	
Feb	.53	.39	.95	1984	15	1.86	1984	.00+	1996	3.8	1.8	.2	.0	.00	.04	.13	.21	.30	.40	.52	.66	.86	1.19	1.52	
Mar	1.33	.97	2.50	1979	18	5.62	1983	.21	1994	6.2	3.2	.6	.2	.15	.25	.44	.63	.82	1.05	1.31	1.63	2.07	2.79	3.49	
Apr	1.89	1.73	2.55	1967	13	4.49	1986	.33	1992	8.5	4.8	.9	.2	.54	.72	.99	1.22	1.45	1.69	1.96	2.27	2.67	3.30	3.89	
May	2.76	2.82	2.22	1988	19	4.86	1983	.21	1974	10.6	6.4	1.7	.6	.67	.92	1.33	1.69	2.04	2.42	2.84	3.34	4.00	5.04	6.01	
Jun	2.22	1.93	2.89	1970	12	4.36	1991	.19	1980	8.1	4.9	1.5	.3	.45	.65	.97	1.27	1.57	1.90	2.26	2.70	3.28	4.22	5.10	
Jul	2.14	1.76	3.32	1990	4	7.16	1990	.46	1995	7.9	4.7	1.2	.4	.55	.75	1.06	1.33	1.61	1.89	2.21	2.59	3.08	3.85	4.58	
Aug	1.45	1.15	2.70	1968	9	5.52	1997	.12	1974	7.4	3.9	.8	.2	.16	.27	.47	.67	.89	1.13	1.42	1.77	2.25	3.04	3.82	
Sep	1.32	1.07	1.74	2001	17	4.60	1973	.10	1978	5.4	3.4	.9	.1	.12	.22	.40	.58	.78	1.01	1.28	1.61	2.08	2.85	3.60	
Oct	1.09	.79	1.80	1994	6	3.91	1986	.00	1988	4.7	2.8	.7	.1	.05	.15	.32	.48	.65	.84	1.07	1.35	1.73	2.36	2.98	
Nov	.83	.80	2.20	1979	21	3.74	1979	.08+	1975	4.6	2.6	.4	@	.10	.16	.28	.39	.51	.65	.81	1.01	1.28	1.73	2.16	
Dec	.68	.58	1.90	1987	27	2.34	1987	.02+	1991	4.2	2.1	.2	.1	.04	.08	.17	.26	.36	.48	.63	.82	1.08	1.53	1.98	
Ann	16.78	15.89	3.32	Jul 1990	4	7.16	Jul 1990	.00+	Feb 1996	75.9	42.5	9.3	2.2	10.78	11.89	13.35	14.47	15.48	16.46	17.48	18.63	20.02	22.07	23.86	

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: LA GRANGE, WY

COOP ID: 485260

Climate Division: WY 8

NWS Call Sign:

Elevation: 4,590 Feet

Lat: 41° 38N

Lon: 104° 10W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	7.7	6.0	2	1	16.0	1992	7	18.5	1992	17	1974	8	7	1976	3.6	2.6	.8	.4	.1	9.7	5.4	3.6	1.4
Feb	6.9	5.2	1	1	10.0	1984	15	27.0	1984	15	1971	20	4	1986	3.1	2.4	.8	.4	@	7.2	4.0	1.8	.3
Mar	11.5	9.5	1	1	22.0	1979	18	37.2	1983	22	1979	18	5	1983	4.1	3.4	1.3	.7	.2	6.0	3.4	2.0	.8
Apr	8.3	5.0	#	#	20.0	1984	3	48.0	1984	16	1984	3	2	1983	2.3	2.1	1.2	.6	.1	2.3	1.5	.9	.1
May	.7	.0	#	0	6.0	1983	18	10.0	1983	3+	1990	9	#+	1991	.4	.3	.1	@	.0	.2	.1	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.9	.0	#	0	6.0	1974	12	10.5	1985	8	2000	24	#+	2000	.3	.3	.1	@	.0	.2	.1	@	.0
Oct	3.6	1.8	#	#	12.0	1997	25	18.0	1997	18	1997	25	2	1997	1.0	1.0	.5	.3	.1	1.0	.6	.4	.1
Nov	9.8	6.3	1	#	26.0	1979	21	47.2	1979	42	1979	22	10	1979	3.2	2.6	1.0	.5	.2	5.4	2.4	1.5	.6
Dec	9.5	8.2	1	1	19.0	1987	27	21.5	1982	26	1979	2	5	1979	4.1	3.1	1.2	.5	.1	10.2	4.9	2.8	.8
Ann	58.9	42.0	N/A	N/A	26.0	Nov 1979	21	48.0	Apr 1984	42	Nov 1979	22	10	Nov 1979	22.1	17.8	7.0	3.4	.8	42.2	22.4	13.0	4.1

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: LA GRANGE, WY

COOP ID: 485260

Climate Division: WY 8

NWS Call Sign:

Elevation: 4,590 Feet

Lat: 41° 38N

Lon: 104° 10W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/19	6/14	6/10	6/07	6/04	6/01	5/28	5/25	5/19
32	6/07	6/01	5/28	5/24	5/21	5/17	5/14	5/09	5/03
28	5/18	5/14	5/11	5/09	5/06	5/04	5/01	4/28	4/24
24	5/08	5/03	4/30	4/27	4/25	4/22	4/19	4/16	4/11
20	4/28	4/22	4/18	4/14	4/11	4/08	4/04	3/31	3/25
16	4/23	4/16	4/11	4/07	4/03	3/30	3/26	3/21	3/14
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/24	8/30	9/03	9/07	9/10	9/14	9/17	9/22	9/28
32	9/09	9/13	9/16	9/18	9/20	9/22	9/25	9/28	10/01
28	9/15	9/20	9/23	9/26	9/28	10/01	10/04	10/07	10/11
24	9/24	9/29	10/03	10/06	10/09	10/13	10/16	10/20	10/25
20	10/04	10/09	10/12	10/15	10/18	10/21	10/24	10/28	11/02
16	10/07	10/13	10/18	10/22	10/25	10/29	11/02	11/06	11/12
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	124	115	109	103	98	93	87	80	71
32	141	134	130	126	122	118	114	109	103
28	164	158	153	148	145	141	136	131	125
24	187	180	175	171	167	163	159	154	147
20	214	205	199	194	190	185	180	174	165
16	238	226	218	211	205	198	191	183	171

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: LA GRANGE, WY

COOP ID: 485260

Climate Division: WY 8

NWS Call Sign:

Elevation: 4,590 Feet

Lat: 41° 38N

Lon: 104° 10W

Degree Days to Selected Base Temperatures (°F)

Base	Heating Degree Days (1)												
	Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
65	1146	909	817	555	294	82	3	25	165	493	858	1114	6461
60	991	769	662	409	171	30	0	5	76	343	708	959	5123
57	898	685	569	325	113	13	0	1	42	261	621	866	4394
55	836	629	507	273	82	8	0	0	25	211	565	804	3940
50	689	497	363	160	29	1	0	0	5	110	428	653	2935
32	238	125	36	3	0	0	0	0	0	2	91	209	704

Cooling Degree Days (1)

Base	Cooling Degree Days (1)												
	Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
32	115	141	243	438	741	1007	1240	1183	864	532	223	119	6846
55	0	0	1	18	110	324	527	471	200	28	7	0	1686
57	0	0	0	10	79	270	465	410	156	16	3	0	1409
60	0	0	0	4	44	197	372	320	101	5	0	0	1043
65	0	0	0	0	12	99	220	185	39	0	0	0	555
70	0	0	0	0	2	36	93	84	10	0	0	0	225

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	16	35	89	223	477	761	984	921	602	293	73	28	16	51	140	363	840	1601	2585	3506	4108	4401	4474	4502
45	2	8	38	125	333	611	829	766	456	176	36	4	2	10	48	173	506	1117	1946	2712	3168	3344	3380	3384
50	0	0	10	58	205	461	674	611	320	89	7	0	0	0	10	68	273	734	1408	2019	2339	2428	2435	2435
55	0	0	1	19	105	320	519	457	200	32	1	0	0	0	1	20	125	445	964	1421	1621	1653	1654	1654
60	0	0	0	1	43	190	368	306	102	8	0	0	0	0	0	1	44	234	602	908	1010	1018	1018	1018
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	25	44	99	189	330	480	613	582	411	253	81	33	25	69	168	357	687	1167	1780	2362	2773	3026	3107	3140

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20

1971-2000

Station: LAKE YELLOWSTONE, WY

COOP ID: 485345

Climate Division: WY 1

NWS Call Sign:

Elevation: 7,870 Feet Lat: 44° 34N

Lon: 110° 24W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	22.8	-3.1	9.9	44+	1986	20	18.9	1981	-50	1963	12	-2.3	1979	1712	0	.0	.0	.0	27.1	31.0	17.0
Feb	28.3	-1.5	13.4	56	1982	23	20.3	1986	-50+	1985	2	2.5	1985	1446	0	.0	.0	@	19.4	28.3	14.2
Mar	35.2	4.3	19.8	58	1986	29	26.0	1986	-42	1965	18	11.2	1976	1404	0	.0	.0	.8	10.1	31.0	10.7
Apr	42.2	14.6	28.4	65+	1987	29	35.4	1987	-26	1975	2	19.9	1975	1098	0	.0	.0	6.1	2.6	29.8	3.3
May	51.0	25.1	38.1	75+	2001	25	45.4	1987	-2	1967	5	32.9	1975	835	0	.0	.0	17.6	.1	27.1	.1
Jun	61.1	32.5	46.8	83	1988	25	53.4	1988	14	1951	4	41.5	1998	545	0	.0	.0	26.6	.0	15.6	.0
Jul	70.4	37.5	54.0	89+	1956	27	58.1	1998	20	1985	15	46.6	1993	344	2	.0	.0	30.8	.0	4.8	.0
Aug	70.4	36.5	53.5	91	1969	10	57.9	1971	17	1976	27	48.1	1985	362	2	.0	.0	30.9	.0	7.1	.0
Sep	60.3	28.6	44.5	83+	1956	16	50.9	1998	-5	1985	29	37.6	1985	616	0	.0	.0	26.0	@	22.2	.1
Oct	48.2	20.9	34.6	72+	1987	3	40.1	1988	-13	1991	30	27.8	1984	944	0	.0	.0	15.3	2.2	30.2	.5
Nov	33.1	10.0	21.6	63	1949	5	30.7	1999	-30	1955	16	14.3	1994	1303	0	.0	.0	1.4	15.1	29.8	5.9
Dec	24.8	1.1	13.0	48	1981	10	22.6	1980	-43	1990	22	3.3	1990	1614	0	.0	.0	.0	26.5	31.0	14.8
Ann	45.7	17.2	31.5	91	Aug 1969	10	58.1	Jul 1998	-50+	Feb 1985	2	-2.3	Jan 1979	12223	4	.0	.0	155.5	103.1	287.9	66.6

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20 1971-2000

Station: LAKE YELLOWSTONE, WY

COOP ID: 485345

Climate Division: WY 1

NWS Call Sign:

Elevation: 7,870 Feet Lat: 44°34N

Lon: 110°24W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1)											
														Probability that the monthly/annual precipitation will be equal to or less than the indicated amount											
Means/Medians(1)		Extremes								Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels											
														These values were determined from the incomplete gamma distribution											
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95	
Jan	1.91	1.89	1.35	1969	21	3.58	1978	.36	1992	17.4	7.1	.3	@	.55	.73	1.00	1.24	1.47	1.71	1.98	2.29	2.70	3.34	3.93	
Feb	1.49	1.39	1.20	1962	12	5.31	1986	.35	1977	13.8	5.3	.3	.0	.42	.56	.78	.96	1.14	1.33	1.54	1.79	2.11	2.62	3.09	
Mar	1.73	1.68	.84	1967	15	4.06	1974	.49	1984	14.0	6.0	.3	.0	.54	.70	.95	1.16	1.36	1.57	1.80	2.07	2.42	2.96	3.47	
Apr	1.48	1.44	1.00	2001	21	3.05	1993	.42	1987	10.8	5.1	.3	.0	.50	.64	.84	1.02	1.19	1.36	1.55	1.77	2.05	2.49	2.90	
May	2.06	1.72	1.01	2000	17	4.70	1981	.61	1979	12.1	6.3	.9	@	.61	.80	1.10	1.35	1.60	1.86	2.14	2.48	2.91	3.59	4.22	
Jun	2.08	1.62	1.50	1988	2	5.27	1998	.83	1974	13.3	6.1	.9	.1	.76	.96	1.24	1.47	1.70	1.93	2.18	2.47	2.84	3.41	3.93	
Jul	1.66	1.11	1.32	1952	11	4.13	1985	.00	2000	10.7	5.2	.7	@	.19	.40	.68	.92	1.16	1.41	1.70	2.04	2.50	3.23	3.93	
Aug	1.69	1.75	1.40	1961	8	3.28	1984	.25	1992	10.7	4.7	.8	@	.54	.70	.93	1.13	1.33	1.53	1.75	2.01	2.35	2.87	3.35	
Sep	1.59	1.62	1.57	1966	15	3.54	1972	.11	1987	9.4	5.0	.6	.1	.27	.41	.64	.86	1.08	1.33	1.60	1.94	2.39	3.12	3.82	
Oct	1.32	1.36	1.45	1975	26	5.38	1975	.06	1986	7.4	3.7	.5	.1	.14	.24	.42	.61	.81	1.03	1.29	1.62	2.06	2.79	3.51	
Nov	1.71	1.45	.93	1995	26	3.88	1986	.29	1993	12.9	5.7	.5	.0	.43	.59	.84	1.06	1.27	1.51	1.76	2.07	2.47	3.10	3.69	
Dec	1.68	1.57	1.42	1955	23	4.89	1996	.06	1986	15.3	6.3	.2	.0	.34	.50	.75	.97	1.20	1.44	1.72	2.05	2.48	3.18	3.84	
Ann	20.40	20.16	1.57	Sep 1966	15	5.38	Oct 1975	.00	Jul 2000	147.8	66.5	6.3	.3	14.16	15.36	16.90	18.07	19.12	20.13	21.18	22.34	23.75	25.80	27.58	

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: LAKE YELLOWSTONE, WY

COOP ID: 485345

Climate Division: WY 1

NWS Call Sign:

Elevation: 7,870 Feet

Lat: 44° 34N

Lon: 110° 24W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	30.9	31.9	31	28	13.0	2000	12	50.5	1971	62+	1997	29	57	1997	15.6	12.1	3.9	1.3	.1	30.8	30.8	30.8	30.7
Feb	21.5	21.8	38	35	11.0	1986	15	39.5	2000	77	1986	23	64	1997	12.0	8.8	3.1	1.1	.1	28.2	28.2	28.2	28.2
Mar	26.7	23.7	42	40	10.0	1971	13	75.5	1974	73	1997	5	67	1997	12.3	9.5	3.7	1.3	.1	30.4	30.4	30.4	30.4
Apr	16.3	13.0	35	38	14.0	1988	5	41.0	1982	71	1989	2	59	1982	7.2	5.7	2.3	.8	.1	28.0	27.9	27.5	26.9
May	5.3	4.4	11	16	9.5	1996	19	16.9	1981	51	1982	1	29	1996	2.9	2.1	1.0	.4	.0	16.4	15.1	14.4	12.8
Jun	.8	.0	#	0	3.5	1979	19	5.5+	1984	4	1979	19	#	1999	.6	.4	.1	.0	.0	.2	@	.0	.0
Jul	.0	.0	#	0	.5	1983	3	.5	1983	0	0	0	#	1993	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	#	.0	#	0	#	1994	31	#	1994	#	1987	16	#	1987	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	1.4	.0	#	0	6.0	1978	18	8.2	1982	6+	1982	28	#	2000	1.0	.6	.1	.1	.0	.7	.1	.1	.0
Oct	5.7	4.1	1	0	7.0	1985	7	14.0	1990	24	1975	27	4	1975	4.1	2.2	.8	.1	.0	6.4	3.1	1.2	.3
Nov	24.3	20.8	7	7	16.0	1998	22	59.7	1985	36	1985	30	13	1973	12.2	8.9	3.0	1.1	.2	24.3	21.8	17.9	9.0
Dec	25.4	26.8	18	18	9.0	1976	7	41.0	1971	38	1985	3	33	1985	14.1	9.4	3.4	1.0	.0	30.5	30.5	30.4	27.5
Ann	158.3	146.5	N/A	N/A	16.0	Nov 1998	22	75.5	Mar 1974	77	Feb 1986	23	67	Mar 1997	82.0	59.7	21.4	7.2	.6	195.9	187.9	180.9	165.8

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States No. 20 1971-2000

Station: LAKE YELLOWSTONE, WY

COOP ID: 485345

Climate Division: WY 1

NWS Call Sign:

Elevation: 7,870 Feet

Lat: 44° 34N

Lon: 110° 24W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/03	7/31	7/29	7/28	7/26	7/24	7/22	7/20	7/17
32	8/01	7/26	7/23	7/20	7/17	7/14	7/10	7/07	7/02
28	7/21	7/14	7/10	7/06	7/02	6/28	6/24	6/20	6/13
24	7/03	6/25	6/20	6/15	6/11	6/06	6/02	5/27	5/20
20	6/14	6/06	5/31	5/26	5/21	5/17	5/12	5/06	4/28
16	5/24	5/18	5/14	5/11	5/08	5/05	5/01	4/28	4/22
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	7/29	7/31	8/02	8/04	8/05	8/07	8/09	8/11	8/13
32	7/31	8/04	8/08	8/11	8/14	8/17	8/21	8/24	8/30
28	8/08	8/14	8/18	8/22	8/26	8/29	9/02	9/06	9/12
24	8/23	8/29	9/02	9/06	9/09	9/12	9/16	9/20	9/26
20	9/04	9/10	9/14	9/18	9/21	9/25	9/28	10/02	10/08
16	9/18	9/24	9/29	10/03	10/06	10/10	10/14	10/18	10/24
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	24	19	16	13	10	7	4	0	0
32	54	45	39	33	28	23	17	11	2
28	82	72	66	60	54	48	42	36	26
24	121	110	103	96	90	84	77	69	58
20	153	142	135	128	122	116	110	102	92
16	176	168	161	156	151	146	140	134	125

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: LAKE YELLOWSTONE, WY

COOP ID: 485345

Climate Division: WY 1

NWS Call Sign:

Elevation: 7,870 Feet Lat: 44° 34N

Lon: 110° 24W

Degree Days to Selected Base Temperatures (°F)

Base	Heating Degree Days (1)												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
Below													
65	1712	1446	1404	1098	835	545	344	362	616	944	1303	1614	12223
60	1557	1306	1249	948	680	397	203	222	469	789	1153	1459	10432
57	1464	1222	1156	858	587	311	134	152	383	696	1063	1366	9392
55	1402	1166	1094	798	525	257	98	114	329	634	1003	1304	8724
50	1247	1026	939	648	376	142	32	44	207	480	853	1149	7143
32	689	522	392	170	34	1	0	0	7	57	334	593	2799

Cooling Degree Days (1)

Base	Cooling Degree Days (1)												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
Above													
32	0	0	11	62	222	446	681	664	381	135	21	2	2625
55	0	0	0	0	0	12	66	65	13	0	0	0	156
57	0	0	0	0	0	6	41	40	7	0	0	0	94
60	0	0	0	0	0	1	17	17	3	0	0	0	38
65	0	0	0	0	0	0	2	2	0	0	0	0	4
70	0	0	0	0	0	0	0	0	0	0	0	0	0

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	0	5	62	236	452	434	188	34	0	0	0	0	0	5	67	303	755	1189	1377	1411	1411	1411
45	0	0	0	0	15	127	301	284	90	3	0	0	0	0	0	0	15	142	443	727	817	820	820	820
50	0	0	0	0	0	47	158	145	27	0	0	0	0	0	0	0	0	47	205	350	377	377	377	377
55	0	0	0	0	0	9	53	46	3	0	0	0	0	0	0	0	0	9	62	108	111	111	111	111
60	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	2	4	4	4	4	4
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	0	16	75	196	333	336	186	64	0	0	0	0	0	16	91	287	620	956	1142	1206	1206	1206

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20

1971-2000

Station: LANDER AP, WY

COOP ID: 485390

Climate Division: WY 9

NWS Call Sign: LND

Elevation: 5,557 Feet Lat: 42°49N

Lon: 108°44W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	31.9	8.7	20.3	63	1971	31	29.4	1999	-37	1963	12	1.3	1979	1397	0	.0	.0	2.2	15.0	30.7	7.6
Feb	37.4	13.9	25.6	68	1951	10	33.9	1991	-28	1949	13	10.5	1989	1118	0	.0	.0	4.8	9.0	27.7	4.0
Mar	47.5	23.5	35.5	76	1966	30	44.1	1986	-16	1960	2	27.2	1973	921	0	.0	.0	13.9	3.2	27.3	.4
Apr	56.5	31.3	43.9	82+	1992	29	50.7	1987	-2	1973	8	35.0	1973	643	0	.0	.0	21.1	.9	17.1	@
May	66.5	40.3	53.4	91	1954	20	60.5	1994	18+	1954	3	48.6	1983	373	3	.0	@	28.8	@	4.2	.0
Jun	78.5	48.9	63.7	100	1954	23	72.5	1988	25	1951	3	54.8	1998	116	70	.0	2.8	29.7	.0	.3	.0
Jul	86.3	55.4	70.9	101	1954	11	75.3	1988	39+	1993	7	64.7	1993	16	190	@	10.7	31.0	.0	.0	.0
Aug	84.8	54.1	69.4	101	1979	5	74.0	1983	35	1962	31	65.7	1974	24	153	@	7.1	31.0	.0	.0	.0
Sep	73.0	44.4	58.7	94+	1995	4	64.8	1990	10	1965	18	53.2	1985	220	29	.0	.8	28.6	.2	2.6	.0
Oct	59.5	33.2	46.4	85+	1963	4	53.6	1988	-3	1991	31	41.3	1971	580	0	.0	.0	24.9	.7	13.6	.1
Nov	41.8	18.9	30.3	70+	1988	1	41.3	1999	-18+	1985	23	16.0	2000	1027	0	.0	.0	9.6	7.6	27.4	2.2
Dec	32.6	9.9	21.3	64+	1980	30	34.3	1980	-37	1983	23	6.1	1983	1355	0	.0	.0	2.7	14.9	30.5	5.7
Ann	58.0	31.9	45.0	101+	Aug 1979	5	75.3	Jul 1988	-37+	Dec 1983	23	1.3	Jan 1979	7790	445	.0	21.4	228.3	51.5	181.4	20.0

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20 1971-2000

Station: LANDER AP, WY

COOP ID: 485390

Climate Division: WY 9

NWS Call Sign: LND

Elevation: 5,557 Feet Lat: 42° 49N

Lon: 108° 44W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
		Means/Medians(1)		Extremes						Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Median	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	.52	.52	.73	1962	20	1.10	1994	.02+	2000	4.6	1.8	@	.0	.04	.08	.14	.22	.30	.39	.50	.63	.82	1.14	1.46
Feb	.54	.50	.82	1955	2	1.73	1987	.05	1979	4.9	1.6	.2	.0	.09	.14	.22	.29	.37	.45	.54	.66	.81	1.06	1.29
Mar	1.24	.89	1.28	1977	25	3.44	1998	.37	1989	7.4	3.4	.6	.1	.23	.34	.52	.68	.86	1.04	1.25	1.51	1.85	2.40	2.92
Apr	2.07	1.70	2.15	1971	25	6.44	1999	.21	1992	8.5	5.3	1.2	.2	.45	.64	.95	1.22	1.50	1.79	2.12	2.52	3.04	3.87	4.66
May	2.38	2.08	2.50	1964	29	5.47	1995	.07	1994	9.0	4.6	1.7	.5	.27	.45	.79	1.12	1.47	1.87	2.33	2.91	3.69	4.98	6.24
Jun	1.15	.78	2.16	1969	7	4.96	1993	.00	1971	5.8	2.6	.5	.3	.02	.09	.23	.39	.57	.79	1.05	1.39	1.87	2.68	3.49
Jul	.84	.83	2.11	1977	24	2.50	1977	.10	1996	6.2	2.0	.4	.1	.08	.14	.26	.37	.50	.64	.81	1.03	1.32	1.80	2.27
Aug	.57	.47	1.00	1979	19	2.30	1979	.07	1985	5.5	1.8	.1	@	.08	.13	.21	.29	.38	.47	.57	.70	.88	1.16	1.43
Sep	1.14	.97	1.72	1982	13	4.68	1973	.01+	1992	5.8	2.6	.8	.2	.04	.08	.20	.35	.52	.73	1.00	1.35	1.85	2.73	3.62
Oct	1.37	1.17	1.71	1966	13	4.90	1994	.00	1988	5.7	3.5	.9	.2	.15	.31	.54	.74	.94	1.15	1.40	1.69	2.08	2.71	3.31
Nov	.99	.74	1.13	1958	15	3.37	1983	.03	1999	5.7	2.7	.6	.0	.09	.16	.30	.44	.59	.76	.96	1.21	1.55	2.13	2.69
Dec	.61	.40	.98	1955	2	2.02	1997	.05	1981	4.6	2.0	.2	.0	.07	.12	.20	.29	.38	.48	.60	.74	.94	1.27	1.60
Ann	13.42	13.21	2.50	May 1964	29	6.44	Apr 1999	.00+	Oct 1988	73.7	33.9	7.2	1.6	8.78	9.65	10.78	11.65	12.43	13.19	13.98	14.86	15.93	17.50	18.88

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: LANDER AP, WY

COOP ID: 485390

Climate Division: WY 9

NWS Call Sign: LND

Elevation: 5,557 Feet

Lat: 42° 49N

Lon: 108° 44W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	9.0	8.9	6	5	13.3	1980	18	26.2	1980	23+	1984	21	16+	1986	4.6	2.4	1.3	.4	.1	26.3	22.4	15.9	6.3
Feb	9.3	9.1	5	4	17.0	1987	23	32.7	1987	23+	1984	26	19	1984	5.0	2.5	1.0	.5	.1	22.3	16.9	12.6	5.2
Mar	17.3	14.7	3	3	16.3	1973	28	52.0	1977	27+	1973	29	17	1973	6.3	3.9	2.0	1.2	.3	11.7	8.2	5.9	3.1
Apr	20.2	13.6	1	2	28.6	1999	22	70.4	1999	26	1973	7	13	1973	5.8	4.2	2.2	1.3	.5	5.6	4.0	2.8	1.6
May	6.9	1.5	#	2	15.5	1979	2	33.9	1975	18	1975	21	1+	1983	1.8	1.3	.8	.5	.2	1.1	.7	.4	.2
Jun	.3	.0	#	0	2.9	1976	14	2.9	1976	#+	1995	9	#	1995	.2	.1	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	3.2	.0	#	0	11.4	1982	30	32.9	1982	12	1982	14	1	1982	1.2	.9	.4	.2	@	.3	.1	.1	@
Oct	9.7	8.9	#	0	12.2	1971	28	39.9	1971	17	1971	29	2	1971	3.6	2.1	1.3	.7	.1	2.4	1.4	.7	.2
Nov	16.7	13.5	2	2	20.7	1985	13	48.7	1983	21	1983	27	7	1971	6.2	3.7	2.1	.9	.2	13.5	9.3	5.8	1.2
Dec	11.0	7.7	4	3	15.3	1979	22	28.0	1985	28	1985	10	15	1985	5.2	2.6	1.3	.6	.1	23.2	17.3	11.0	4.0
Ann	103.6	77.9	N/A	N/A	28.6	Apr 1999	22	70.4	Apr 1999	28	Dec 1985	10	19	Feb 1984	39.9	23.7	12.4	6.3	1.6	106.4	80.3	55.2	21.8

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: LANDER AP, WY

COOP ID: 485390

Climate Division: WY 9

NWS Call Sign: LND

Elevation: 5,557 Feet

Lat: 42° 49N

Lon: 108° 44W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/19	6/13	6/08	6/04	6/01	5/28	5/24	5/19	5/13
32	6/06	5/31	5/26	5/22	5/19	5/15	5/11	5/07	4/30
28	5/17	5/13	5/09	5/07	5/04	5/01	4/29	4/25	4/21
24	5/03	4/28	4/24	4/21	4/18	4/15	4/11	4/08	4/02
20	4/26	4/19	4/15	4/11	4/07	4/04	3/31	3/26	3/20
16	4/18	4/11	4/05	4/01	3/27	3/23	3/18	3/13	3/06
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/08	9/11	9/14	9/15	9/17	9/19	9/21	9/23	9/26
32	9/13	9/17	9/20	9/22	9/24	9/26	9/29	10/02	10/05
28	9/18	9/23	9/27	9/30	10/03	10/06	10/09	10/13	10/18
24	9/28	10/04	10/08	10/11	10/15	10/18	10/22	10/26	10/31
20	10/10	10/16	10/20	10/23	10/26	10/29	11/01	11/05	11/10
16	10/21	10/26	10/29	11/01	11/03	11/06	11/09	11/12	11/16
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	130	122	117	112	108	104	99	94	86
32	151	143	137	132	128	123	118	113	105
28	173	165	160	156	151	147	143	137	130
24	204	196	189	184	179	174	169	163	154
20	225	217	211	206	201	196	191	185	176
16	250	240	232	226	220	214	208	200	190

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: LANDER AP, WY

COOP ID: 485390

Climate Division: WY 9

NWS Call Sign: LND

Elevation: 5,557 Feet Lat: 42°49N

Lon: 108°44W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1397	1118	921	643	373	116	16	24	220	580	1027	1355	7790
60	1231	962	759	490	234	66	3	9	124	425	890	1200	6393
57	1138	878	666	408	167	38	1	3	79	336	800	1107	5621
55	1076	822	605	355	129	25	0	2	55	282	744	1045	5140
50	922	688	459	238	58	7	0	0	18	162	604	893	4049
32	428	268	83	20	0	0	0	0	0	6	205	404	1414

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	23	52	176	367	657	944	1200	1156	799	457	120	32	5983
55	0	0	0	15	74	273	487	444	177	21	0	0	1491
57	0	0	0	9	51	223	426	383	138	12	0	0	1242
60	0	0	0	3	24	155	335	293	86	4	0	0	900
65	0	0	0	0	3	70	190	153	29	0	0	0	445
70	0	0	0	0	0	20	76	52	6	0	0	0	154

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	8	57	180	424	712	962	916	572	251	38	2	0	8	65	245	669	1381	2343	3259	3831	4082	4120	4122
45	0	0	18	93	283	563	807	761	432	145	10	0	0	0	18	111	394	957	1764	2525	2957	3102	3112	3112
50	0	0	1	43	164	415	652	606	299	65	0	0	0	0	1	44	208	623	1275	1881	2180	2245	2245	2245
55	0	0	0	16	78	280	497	453	183	23	0	0	0	0	0	16	94	374	871	1324	1507	1530	1530	1530
60	0	0	0	1	25	161	344	303	90	4	0	0	0	0	0	1	26	187	531	834	924	928	928	928
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	10	55	139	264	451	615	587	366	178	36	2	0	10	65	204	468	919	1534	2121	2487	2665	2701	2703

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20

1971-2000

Station: LARAMIE RGNL AP, WY

COOP ID: 485415

Climate Division: WY10

NWS Call Sign: LAR

Elevation: 7,266 Feet Lat: 41° 19N

Lon: 105° 40W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	31.7	9.0	20.4	59+	1997	2	28.4	1986	-50	1963	12	9.2	1979	1383	0	.0	.0	1.4	14.4	30.6	7.7
Feb	35.1	11.6	23.4	63	1954	8	31.2	2000	-38	1951	1	12.2	1989	1167	0	.0	.0	2.7	10.7	27.8	5.4
Mar	41.9	18.1	30.0	68	1978	30	37.6	1986	-24	1969	9	23.5	1973	1086	0	.0	.0	8.8	6.1	30.0	1.7
Apr	50.2	24.1	37.2	76	1992	30	44.1	1981	-14	1975	2	28.1	1983	837	0	.0	.0	16.6	2.3	25.8	.4
May	60.8	33.2	47.0	95	1980	22	51.1	1994	11	1954	2	41.7	1983	559	0	.0	@	26.5	.1	13.5	.0
Jun	72.6	41.6	57.1	94	1954	23	63.4	1988	22+	1984	4	52.7	1998	249	13	.0	.3	29.6	.0	1.8	.0
Jul	79.1	47.3	63.2	94	1982	22	66.2	2000	30	1968	1	59.8	1992	90	34	.0	1.0	31.0	.0	@	.0
Aug	77.4	46.0	61.7	94	1979	5	65.5	2000	28	1978	19	58.3	1974	124	21	.0	.3	31.0	.0	.1	.0
Sep	68.3	37.4	52.9	90+	1978	6	59.2	1998	-2	1985	30	48.4	1974	369	3	.0	.1	28.5	.1	6.7	@
Oct	56.1	27.6	41.9	78+	1963	4	46.9	1988	-18	1993	30	36.0	1984	719	0	.0	.0	23.1	1.2	22.2	.4
Nov	40.5	16.3	28.4	70	1999	15	38.4	1999	-26	1993	25	14.4	2000	1099	0	.0	.0	8.4	8.3	28.3	3.5
Dec	32.6	9.9	21.3	61	1980	16	32.8	1980	-34	1989	22	12.7	1978	1356	0	.0	.0	2.2	14.0	30.4	7.0
Ann	53.9	26.8	40.4	95	May 1980	22	66.2	Jul 2000	-50	Jan 1963	12	9.2	Jan 1979	9038	71	.0	1.7	209.8	57.2	217.2	26.1

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20 1971-2000

Station: LARAMIE RGNL AP, WY

COOP ID: 485415

Climate Division: WY10

NWS Call Sign: LAR

Elevation: 7,266 Feet Lat: 41° 19N

Lon: 105° 40W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
		Means/Medians(1)		Extremes						Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Median	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	.38	.32	1.00	1963	18	1.05	1992	.03	1986	5.5	1.2	.1	.0	.06	.09	.15	.20	.25	.31	.38	.46	.57	.75	.92
Feb	.46	.36	1.20	1971	2	1.58	1993	.02	1999	5.3	1.3	.1	@	.05	.08	.14	.20	.27	.35	.44	.56	.71	.97	1.22
Mar	.79	.61	1.38	1977	10	2.43	1983	.22	1995	6.7	2.4	.3	@	.14	.21	.32	.43	.54	.66	.80	.96	1.18	1.53	1.87
Apr	1.06	.94	2.01	1983	21	3.71	1983	.27	1989	7.7	3.2	.3	@	.29	.39	.55	.68	.81	.95	1.10	1.28	1.52	1.88	2.23
May	1.67	1.45	2.67	2000	17	3.85	2000	.17	1974	9.9	4.8	.6	.1	.34	.49	.73	.96	1.19	1.43	1.70	2.03	2.47	3.17	3.84
Jun	1.33	.82	1.87	1991	6	4.75	1991	.25	1990	7.6	3.6	.5	.2	.20	.31	.50	.69	.88	1.09	1.33	1.62	2.02	2.67	3.29
Jul	1.56	1.05	2.40	1977	24	4.43	1998	.17	1997	9.1	4.1	.7	.2	.21	.34	.56	.78	1.00	1.26	1.55	1.90	2.39	3.18	3.94
Aug	1.23	1.15	2.28	1958	24	2.25	1979	.38	1985	9.3	3.9	.2	.1	.47	.58	.74	.88	1.01	1.14	1.28	1.45	1.66	1.99	2.28
Sep	.99	.80	1.16	1973	11	2.36	1995	.05	1987	6.3	2.7	.4	.1	.09	.17	.30	.44	.59	.75	.95	1.20	1.54	2.11	2.67
Oct	.80	.65	1.34	1962	5	2.69	1998	.08	1971	5.8	2.5	.3	@	.08	.13	.24	.36	.48	.61	.78	.98	1.26	1.72	2.18
Nov	.64	.42	.77+	1987	15	2.62	1983	.07	2000	5.9	2.2	.2	.0	.06	.11	.20	.29	.39	.49	.62	.78	1.00	1.37	1.73
Dec	.46	.26	1.15	1982	24	1.87	1982	.04	1980	5.3	1.4	.1	@	.03	.06	.11	.17	.24	.32	.42	.55	.73	1.03	1.32
Ann	11.37	11.15	2.67	May 2000	17	4.75	Jun 1991	.02	Feb 1999	84.4	33.3	3.8	.7	7.08	7.87	8.90	9.70	10.41	11.12	11.85	12.67	13.68	15.16	16.46

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: LARAMIE RGNL AP, WY

COOP ID: 485415

Climate Division: WY10

NWS Call Sign: LAR

Elevation: 7,266 Feet

Lat: 41° 19N

Lon: 105° 40W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	5.4	4.5	2	1	6.5	1980	27	16.7	1980	15+	1980	31	8	1973	5.4	2.0	.3	.1	.0	16.6	9.4	5.0	.7
Feb	5.7	3.6	2	1	13.4	1989	2	27.6	1989	14	1989	3	6+	1993	5.2	1.9	.4	.2	@	13.7	6.7	3.0	.7
Mar	9.3	7.3	1	1	13.8	1973	14	26.3	1973	16+	1973	16	5	1973	6.3	3.0	.9	.3	.1	10.0	4.7	2.2	.5
Apr	8.2	6.8	1	1	18.1	1983	21	33.9	1983	16	1983	22	3+	1983	5.4	2.6	.9	.3	@	5.3	1.9	.9	.1
May	3.5	2.4	#	1	7.9	1978	17	12.0	1995	20	1971	10	1	1971	2.3	1.2	.3	.1	.0	1.0	.3	.2	@
Jun	.4	.0	#	0	6.0	1974	8	6.0	1974	1	1979	9	#	2000	.2	.2	@	@	.0	@	.0	.0	.0
Jul	.0	.0	#	0	.0	0	0	.0	0	0	0	0	#	1979	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	1.0	.0	#	0	4.0	1974	11	6.0	1971	3+	1985	29	#	1999	.7	.4	.1	.0	.0	.4	.1	.0	.0
Oct	3.9	2.7	#	0	8.3	1972	21	19.1	1972	8	1972	30	1+	1996	2.6	1.3	.4	.2	.0	2.1	.7	.2	.0
Nov	7.9	5.6	1	1	9.3	1983	25	31.7	1983	15+	1973	5	4+	2000	5.6	2.8	.7	.2	.0	11.4	5.7	2.4	.2
Dec	6.8	4.0	2	1	18.2	1982	24	30.7	1982	20	1982	25	8	1972	5.1	2.1	.5	.2	.1	16.0	9.0	4.5	.8
Ann	52.1	36.9	N/A	N/A	18.2	Dec 1982	24	33.9	Apr 1983	20+	Dec 1982	25	8+	Jan 1973	38.8	17.5	4.5	1.6	.2	76.5	38.5	18.4	3.0

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: LARAMIE RGNL AP, WY

COOP ID: 485415

Climate Division: WY10

NWS Call Sign: LAR

Elevation: 7,266 Feet

Lat: 41° 19N

Lon: 105° 40W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	7/10	7/04	6/30	6/27	6/24	6/20	6/17	6/13	6/07
32	6/25	6/19	6/15	6/11	6/07	6/04	5/31	5/26	5/20
28	6/08	6/02	5/28	5/25	5/21	5/18	5/14	5/10	5/04
24	5/24	5/19	5/15	5/12	5/09	5/05	5/02	4/28	4/23
20	5/12	5/07	5/04	5/01	4/28	4/26	4/23	4/19	4/15
16	5/05	4/29	4/25	4/22	4/19	4/16	4/12	4/09	4/03
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/17	8/22	8/26	8/30	9/02	9/05	9/08	9/12	9/18
32	9/01	9/06	9/09	9/11	9/14	9/16	9/19	9/22	9/27
28	9/07	9/11	9/14	9/17	9/19	9/21	9/24	9/27	10/01
24	9/11	9/17	9/20	9/24	9/27	9/30	10/03	10/07	10/12
20	9/16	9/22	9/27	10/01	10/05	10/09	10/13	10/18	10/24
16	9/29	10/05	10/09	10/13	10/16	10/19	10/23	10/27	11/02
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	91	84	78	74	69	65	60	55	47
32	121	113	107	103	98	93	89	83	75
28	140	133	128	124	120	116	111	106	99
24	164	156	150	145	141	136	131	125	117
20	184	175	169	164	159	154	149	143	134
16	205	196	190	184	179	174	169	163	154

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: LARAMIE RGNL AP, WY

COOP ID: 485415

Climate Division: WY10

NWS Call Sign: LAR

Elevation: 7,266 Feet Lat: 41° 19N

Lon: 105° 40W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1383	1167	1086	837	559	249	90	124	369	719	1099	1356	9038
60	1228	1027	931	687	405	135	21	40	233	564	949	1201	7421
57	1135	943	838	597	316	84	6	16	164	471	859	1108	6537
55	1073	887	776	538	261	58	2	8	124	410	799	1046	5982
50	918	747	621	398	141	17	0	1	51	261	654	891	4700
32	391	279	154	59	2	0	0	0	0	12	220	363	1480

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	30	37	90	212	466	754	967	920	625	316	112	30	4559
55	0	0	0	2	12	121	257	215	59	0	0	0	666
57	0	0	0	0	5	88	198	161	39	0	0	0	491
60	0	0	0	0	1	49	121	92	18	0	0	0	281
65	0	0	0	0	0	13	34	21	3	0	0	0	71
70	0	0	0	0	0	2	4	1	0	0	0	0	7

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	20	80	254	531	739	689	414	152	30	1	0	0	20	100	354	885	1624	2313	2727	2879	2909	2910
45	0	0	1	34	137	383	584	534	277	68	1	0	0	0	1	35	172	555	1139	1673	1950	2018	2019	2019
50	0	0	0	5	59	245	429	379	158	16	0	0	0	0	0	5	64	309	738	1117	1275	1291	1291	1291
55	0	0	0	0	12	130	276	228	66	0	0	0	0	0	0	0	12	142	418	646	712	712	712	712
60	0	0	0	0	0	48	132	96	17	0	0	0	0	0	0	0	0	48	180	276	293	293	293	293
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	4	27	84	194	354	474	446	292	141	29	1	0	4	31	115	309	663	1137	1583	1875	2016	2045	2046

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20

1971-2000

Station: LARAMIE 2 NW, WY

COOP ID: 485435

Climate Division: WY10

NWS Call Sign:

Elevation: 7,140 Feet Lat: 41° 20N

Lon: 105° 36W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	32.7	7.8	20.3	62	1981	23	27.1	1986	-43	1979	1	8.0	1979	1387	0	.0	.0	1.4	14.7	30.8	9.0
Feb	36.0	9.8	22.9	68	1982	21	30.3	1991	-40	1989	6	12.5	1989	1179	0	.0	.0	3.1	10.3	28.0	6.3
Mar	42.4	16.9	29.7	69	1972	10	36.5	1972	-25	1998	8	23.1	1977	1097	0	.0	.0	9.0	5.8	30.2	1.7
Apr	50.2	23.2	36.7	78	1992	30	43.9	1981	-18	1975	2	27.6	1984	850	0	.0	.0	16.5	2.6	26.4	.3
May	60.7	32.3	46.5	83	1969	28	52.3	1993	11	1979	3	40.5	1983	574	0	.0	.0	26.3	.1	15.7	.0
Jun	72.3	41.1	56.7	94	2001	29	62.0	1977	20	1976	14	51.2	1984	262	14	.0	.1	29.7	.0	2.5	.0
Jul	79.4	46.3	62.9	97	1976	9	66.3	1976	29	1988	1	59.5	1986	97	30	.0	1.4	31.0	.0	.2	.0
Aug	78.1	43.4	60.8	97	2001	3	64.9	2000	26	1980	21	55.3	1974	158	26	.0	.8	31.0	.0	.9	.0
Sep	69.6	34.8	52.2	92	1995	1	57.9	1990	5	1996	27	45.2	1974	389	5	.0	.2	28.4	@	10.4	.0
Oct	57.3	25.1	41.2	81+	1991	16	45.7	1988	-7+	1991	31	36.8	1984	739	0	.0	.0	24.0	1.2	25.1	.2
Nov	40.9	14.1	27.5	72+	1999	15	35.5	1999	-28	1993	24	13.1	2000	1126	0	.0	.0	8.5	8.0	28.9	3.7
Dec	33.3	8.1	20.7	63	1990	10	32.0	1980	-40	1972	6	11.1	1983	1375	0	.0	.0	2.3	13.8	30.4	7.8
Ann	54.4	25.2	39.8	97+	Aug 2001	3	66.3	Jul 1976	-43	Jan 1979	1	8.0	Jan 1979	9233	75	.0	2.5	211.2	56.5	229.5	29.0

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1966-2001

(3) Derived from 1971-2000 serially complete daily data

Climatology of the United States

No. 20 1971-2000

Station: LARAMIE 2 NW, WY

COOP ID: 485435

Climate Division: WY10

NWS Call Sign:

Elevation: 7,140 Feet Lat: 41° 20N

Lon: 105° 36W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
		Means/Medians(1)		Extremes						Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Median	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	.34	.28	.90	1983	28	.90	1974	.01	1986	5.4	1.5	.1	.0	.04	.07	.12	.16	.21	.27	.33	.41	.52	.69	.86
Feb	.39	.34	.48	1989	2	1.36	1989	.00	1999	5.9	1.2	.0	.0	.03	.08	.14	.20	.26	.32	.39	.48	.59	.78	.96
Mar	.69	.58	1.00	1977	11	1.70	1973	.05	1972	7.8	2.1	@	@	.16	.22	.33	.42	.51	.60	.71	.84	1.01	1.28	1.53
Apr	1.08	.98	1.68	1983	21	3.43	1983	.23	1989	8.8	3.0	.2	@	.30	.40	.56	.70	.83	.97	1.12	1.30	1.54	1.90	2.25
May	1.68	1.42	1.92	2000	17	3.90	1995	.30	1975	11.0	4.8	.6	.1	.42	.58	.82	1.04	1.26	1.48	1.73	2.03	2.42	3.04	3.62
Jun	1.30	1.10	1.78	1986	9	4.51	1991	.06	1971	8.6	3.4	.4	.2	.20	.31	.50	.68	.86	1.06	1.30	1.59	1.97	2.59	3.19
Jul	1.53	1.38	1.39	1981	1	3.28	1981	.11	1988	9.3	4.5	.9	.1	.33	.47	.70	.90	1.10	1.32	1.56	1.85	2.24	2.85	3.43
Aug	1.37	1.20	1.12	1994	1	3.22	1984	.26	1999	9.5	4.0	.5	@	.42	.55	.75	.92	1.08	1.24	1.43	1.64	1.92	2.36	2.76
Sep	.96	.74	1.18	1973	11	2.31	1990	.05	1987	7.5	2.8	.4	.1	.11	.19	.32	.45	.60	.76	.94	1.17	1.48	2.00	2.50
Oct	.85	.74	1.37	1998	28	2.66	1998	.06	1988	6.8	2.5	.3	.1	.11	.18	.30	.42	.54	.68	.84	1.03	1.30	1.73	2.15
Nov	.58	.40	.62	1987	2	1.84	1983	.08	1999	6.4	1.8	.1	.0	.07	.12	.20	.28	.36	.46	.57	.70	.89	1.19	1.48
Dec	.42	.34	.42	1997	8	1.24	1973	.00	1977	5.5	1.0	.0	.0	.04	.09	.16	.22	.29	.35	.43	.52	.64	.83	1.01
Ann	11.19	10.92	1.92	May 2000	17	4.51	Jun 1991	.00+	Feb 1999	92.5	32.6	3.5	.6	7.46	8.16	9.07	9.76	10.39	10.99	11.62	12.32	13.17	14.41	15.50

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1966-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: LARAMIE 2 NW, WY

COOP ID: 485435

Climate Division: WY10

NWS Call Sign:

Elevation: 7,140 Feet

Lat: 41° 20N

Lon: 105° 36W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	4.0	-99.9	1	0	5.0	1974	18	8.0	1975	7	1974	22	5	1974	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9
Feb	.7	-99.9	#	0	1.0	1974	5	2.8	1975	3+	1974	7	2	1973	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9
Mar	1.9	-99.9	#	0	4.0	1975	27	7.7	1975	10	1973	16	2	1973	-9.9	-9.9	-9.9	-9.9	-9.9	2.7	.1	.0	.0
Apr	1.1	-99.9	#	0	4.0	1975	27	5.5	1975	4	1973	20	1	1973	-9.9	-9.9	-9.9	-9.9	-9.9	.3	.0	.0	.0
May	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	-9.9	-9.9	-9.9	-9.9	-9.9	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	-9.9	-9.9	-9.9	-9.9	-9.9	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	-9.9	-9.9	-9.9	-9.9	-9.9	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	-9.9	-9.9	-9.9	-9.9	-9.9	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	-9.9	-9.9	-9.9	-9.9	-9.9	.0	.0	.0	.0
Oct	1.8	-99.9	#	0	3.5	1972	21	9.0	1972	5	1972	30	1	1972	-9.9	-9.9	-9.9	-9.9	-9.9	.2	.1	.1	.0
Nov	5.7	-99.9	#	0	6.0	1973	3	17.0	1973	8	1973	4	2	1973	-9.9	-9.9	-9.9	-9.9	-9.9	2.0	.8	.3	.0
Dec	3.4	-99.9	#	0	3.5	1972	8	13.4	1972	6	1972	8	2	1972	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9
Ann	18.6	-9.9	N/A	N/A	6.0	Nov 1973	3	17.0	Nov 1973	10	Mar 1973	16	5	Jan 1974	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: LARAMIE 2 NW, WY

COOP ID: 485435

Climate Division: WY10

NWS Call Sign:

Elevation: 7,140 Feet

Lat: 41° 20N

Lon: 105° 36W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	7/17	7/12	7/08	7/05	7/02	6/28	6/25	6/21	6/16
32	7/01	6/25	6/20	6/17	6/13	6/09	6/05	6/01	5/25
28	6/16	6/10	6/05	6/01	5/28	5/25	5/21	5/16	5/10
24	6/03	5/28	5/23	5/19	5/16	5/12	5/09	5/04	4/28
20	5/20	5/15	5/11	5/07	5/04	5/01	4/28	4/24	4/18
16	5/05	4/30	4/26	4/23	4/20	4/17	4/14	4/10	4/05
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/03	8/09	8/13	8/17	8/21	8/24	8/28	9/01	9/08
32	8/15	8/21	8/26	8/29	9/02	9/05	9/09	9/13	9/19
28	8/30	9/04	9/07	9/10	9/13	9/16	9/19	9/22	9/27
24	9/11	9/15	9/18	9/20	9/22	9/24	9/27	9/29	10/03
20	9/14	9/19	9/23	9/26	9/29	10/02	10/05	10/08	10/13
16	9/19	9/26	10/01	10/05	10/09	10/12	10/17	10/22	10/28
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	72	64	59	54	49	45	40	35	27
32	109	99	92	86	80	74	68	61	51
28	134	125	118	112	107	101	96	89	80
24	148	142	137	132	129	125	120	116	109
20	168	161	156	151	147	142	138	132	125
16	196	188	181	176	171	166	160	154	145

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: LARAMIE 2 NW, WY

COOP ID: 485435

Climate Division: WY10

NWS Call Sign:

Elevation: 7,140 Feet Lat: 41° 20N

Lon: 105° 36W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1387	1179	1097	850	574	262	97	158	389	739	1126	1375	9233
60	1232	1039	942	700	422	149	24	68	255	584	976	1220	7611
57	1139	955	849	610	336	97	8	34	186	491	886	1127	6718
55	1077	899	787	552	282	70	2	20	145	430	826	1065	6155
50	922	759	632	412	166	24	0	4	66	279	676	910	4850
32	385	289	169	66	4	0	0	0	0	12	230	380	1535

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	21	35	96	206	453	742	956	891	606	296	94	29	4425
55	0	0	0	2	18	121	246	198	61	0	0	0	646
57	0	0	0	0	10	89	189	150	41	0	0	0	479
60	0	0	0	0	3	50	112	90	21	0	0	0	276
65	0	0	0	0	0	14	30	26	5	0	0	0	75
70	0	0	0	0	0	2	4	4	0	0	0	0	10

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	17	69	239	520	721	656	392	140	20	1	0	0	17	86	325	845	1566	2222	2614	2754	2774	2775
45	0	0	0	23	127	372	566	502	257	60	0	0	0	0	0	23	150	522	1088	1590	1847	1907	1907	1907
50	0	0	0	1	50	235	412	348	142	16	0	0	0	0	0	1	51	286	698	1046	1188	1204	1204	1204
55	0	0	0	0	11	120	261	202	54	1	0	0	0	0	0	0	11	131	392	594	648	649	649	649
60	0	0	0	0	0	44	120	73	12	0	0	0	0	0	0	0	0	44	164	237	249	249	249	249
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	4	27	80	187	346	474	444	307	157	28	1	0	4	31	111	298	644	1118	1562	1869	2026	2054	2055

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20

1971-2000

Station: LEITER 9 N, WY

COOP ID: 485506

Climate Division: WY 5

NWS Call Sign:

Elevation: 4,160 Feet Lat: 44° 51N

Lon: 106° 17W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	31.9	11.2	21.6	63	1992	31	33.2	1981	-34	1997	12	5.6	1979	1346	0	.0	.0	2.1	12.8	30.3	7.6
Feb	38.4	16.8	27.6	71	1995	24	38.4	1992	-35	1996	2	13.6	1989	1048	0	.0	.0	5.7	7.9	26.5	3.7
Mar	47.7	24.3	36.0	78	1986	28	44.3	1986	-17	1989	4	28.0	1996	899	0	.0	.0	15.3	3.7	26.1	1.0
Apr	57.7	32.6	45.2	88	1980	21	52.2	1987	6	1986	14	37.7	1975	595	0	.0	.0	22.3	.9	15.1	.0
May	67.7	41.7	54.7	94+	1988	29	60.7	1994	15	1967	1	50.1	1996	333	13	.0	.3	29.5	.0	3.5	.0
Jun	78.2	50.4	64.3	105	1988	23	75.7	1988	31	1969	13	58.6	1975	122	102	.6	4.0	29.8	.0	.0	.0
Jul	87.6	57.0	72.3	108+	1989	8	76.8	2000	38	1987	12	63.0	1993	27	254	2.1	14.1	31.0	.0	.0	.0
Aug	87.1	55.9	71.5	105	1979	5	78.2	1983	36+	1992	30	65.8	1977	38	240	1.0	13.7	31.0	.0	.0	.0
Sep	75.0	45.6	60.3	104	1978	5	68.0	1998	12	1984	25	54.2	1986	203	62	.3	3.4	29.0	.1	2.1	.0
Oct	61.0	34.3	47.7	90+	1992	2	51.1	1988	-13	1991	30	43.0	1984	539	0	.0	.1	25.7	.5	11.6	@
Nov	43.1	22.0	32.6	77+	1999	4	44.8	1999	-20+	1985	27	15.4	1985	973	0	.0	.0	10.2	6.0	25.6	1.6
Dec	34.1	13.7	23.9	68	1973	1	32.3	1999	-36+	1990	22	6.6	1983	1275	0	.0	.0	3.3	11.2	29.8	5.0
Ann	59.1	33.8	46.5	108+	1989	8	78.2	1983	-36+	1990	22	5.6	1979	7398	671	4.0	35.6	234.9	43.1	170.6	18.9

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1964-2001

(3) Derived from 1971-2000 serially complete daily data

Climatology of the United States

No. 20 1971-2000

Station: LEITER 9 N, WY

COOP ID: 485506

Climate Division: WY 5

NWS Call Sign:

Elevation: 4,160 Feet Lat: 44° 51N

Lon: 106° 17W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
		Means/Medians(1)		Extremes						Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Median	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	.53	.51	.99	1965	29	1.50	1971	.10	1992	7.3	1.7	@	.0	.09	.14	.22	.29	.36	.44	.54	.65	.80	1.04	1.27
Feb	.39	.36	.52	1986	4	.99+	1978	.06	1992	6.1	1.3	@	.0	.09	.12	.18	.23	.29	.34	.40	.48	.58	.73	.88
Mar	.89	.89	.70	1995	12	1.87	1992	.11	1978	8.8	2.9	.2	.0	.26	.34	.47	.58	.69	.80	.92	1.06	1.25	1.54	1.81
Apr	1.82	1.57	1.90	1974	20	4.38	1999	.47	1987	9.7	5.2	.9	.1	.45	.63	.89	1.13	1.36	1.60	1.88	2.20	2.63	3.30	3.93
May	2.45	1.99	2.20	1978	18	9.42	1978	.04	1998	10.3	5.9	1.5	.3	.42	.63	.99	1.33	1.67	2.05	2.47	2.99	3.68	4.80	5.87
Jun	2.47	2.34	2.35	1993	7	6.22	1993	.73	1978	10.2	6.0	1.3	.4	.83	1.07	1.41	1.70	1.98	2.27	2.58	2.95	3.42	4.15	4.82
Jul	1.47	1.11	1.74	1981	25	4.17	1993	.11	1988	7.0	3.9	.7	.3	.16	.27	.48	.68	.90	1.15	1.44	1.79	2.28	3.09	3.87
Aug	1.04	.96	1.74	1965	20	2.83	1987	.16	2000	5.1	2.8	.5	.2	.19	.29	.44	.58	.72	.88	1.05	1.27	1.55	2.00	2.43
Sep	1.41	1.19	1.65	1986	1	4.60	1986	.07	1975	6.3	3.9	.8	.1	.28	.41	.61	.80	1.00	1.20	1.43	1.72	2.09	2.68	3.25
Oct	1.46	1.30	1.81	1996	26	4.71	1994	.16	1978	6.6	4.1	.7	.2	.32	.46	.67	.87	1.06	1.27	1.50	1.78	2.14	2.72	3.27
Nov	.74	.76	.71	1978	9	1.71	1991	.16	1981	7.5	2.6	.2	.0	.27	.34	.44	.52	.60	.69	.78	.88	1.02	1.23	1.42
Dec	.57	.53	.58	1989	14	1.70	1989	.07	1991	7.3	1.9	@	.0	.11	.16	.24	.32	.40	.48	.57	.69	.84	1.09	1.32
Ann	15.24	15.23	2.35	Jun 1993	7	9.42	May 1978	.04	May 1998	92.2	42.2	6.8	1.6	10.75	11.61	12.73	13.58	14.33	15.06	15.81	16.65	17.66	19.13	20.40

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1964-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: LEITER 9 N, WY

COOP ID: 485506

Climate Division: WY 5

NWS Call Sign:

Elevation: 4,160 Feet

Lat: 44° 51N

Lon: 106° 17W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	8.7	6.9	5	4	6.5	1972	2	22.0	1977	20	1979	17	18	1979	7.3	3.4	.6	.2	.0	23.2	16.2	9.9	3.1
Feb	6.3	6.6	3	2	6.0	1986	4	14.4	1978	20	1978	2	15	1979	5.6	2.5	.5	@	.0	14.9	9.1	6.1	2.6
Mar	10.4	9.4	1	1	6.5	1977	25	22.1	1977	11+	1996	8	5	1979	6.8	3.8	1.1	.2	.0	7.2	3.4	1.4	.2
Apr	8.3	5.8	1	#	14.0	1997	5	26.0	1984	19	1984	27	5	1997	3.8	2.7	1.1	.4	.1	2.2	1.4	.8	.3
May	1.3	.0	#	0	11.0	1986	9	12.0	1986	6	1984	1	#+	1995	.5	.4	.1	.1	@	.1	.1	.0	.0
Jun	#	.0	0	0	#	1998	4	#	1998	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	1.4	.0	#	0	9.0	1984	23	16.0	1984	7	1984	24	1	1984	.7	.5	.1	@	.0	.2	.1	.1	.0
Oct	4.4	3.0	#	#	10.0	1996	26	14.5+	1996	10	1996	26	1	1996	2.1	1.7	.5	.1	@	1.1	.6	.3	@
Nov	8.1	9.1	1	1	7.5	1975	24	14.0	1991	10	1978	14	5	1985	5.6	3.2	.8	.1	.0	9.5	5.2	2.2	.1
Dec	8.9	8.3	3	3	7.5	1989	14	25.4	1989	20	1989	22	13	1978	6.7	3.3	.8	.1	.0	20.2	13.0	8.5	1.7
Ann	57.8	49.1	N/A	N/A	14.0	Apr 1997	5	26.0	Apr 1984	20+	Dec 1989	22	18	Jan 1979	39.1	21.5	5.6	1.2	.1	78.6	49.1	29.3	8.0

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: LEITER 9 N, WY

COOP ID: 485506

Climate Division: WY 5

NWS Call Sign:

Elevation: 4,160 Feet

Lat: 44° 51N

Lon: 106° 17W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/08	6/03	5/31	5/27	5/24	5/21	5/18	5/15	5/09
32	5/26	5/22	5/19	5/16	5/14	5/11	5/09	5/06	5/02
28	5/10	5/06	5/03	4/30	4/27	4/25	4/22	4/19	4/15
24	4/30	4/25	4/22	4/20	4/17	4/15	4/12	4/09	4/05
20	4/21	4/16	4/12	4/08	4/05	4/02	3/29	3/25	3/19
16	4/16	4/09	4/03	3/29	3/25	3/20	3/15	3/10	3/02
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/03	9/08	9/11	9/14	9/17	9/20	9/23	9/26	10/01
32	9/13	9/17	9/20	9/23	9/26	9/28	10/01	10/04	10/09
28	9/18	9/23	9/27	10/01	10/04	10/08	10/11	10/15	10/21
24	9/23	9/30	10/04	10/08	10/12	10/16	10/19	10/24	10/30
20	10/09	10/15	10/19	10/23	10/26	10/30	11/02	11/07	11/12
16	10/18	10/23	10/27	10/31	11/03	11/07	11/10	11/14	11/20
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	135	128	123	119	115	111	107	102	95
32	152	146	141	138	134	131	127	123	117
28	182	174	168	164	159	155	150	144	136
24	204	194	188	182	177	172	166	159	150
20	229	220	214	209	204	199	194	188	179
16	250	240	234	228	223	218	212	206	196

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: LEITER 9 N, WY

COOP ID: 485506

Climate Division: WY 5

NWS Call Sign:

Elevation: 4,160 Feet Lat: 44° 51N

Lon: 106° 17W

Degree Days to Selected Base Temperatures (°F)

Base	Heating Degree Days (1)												
	Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
65	1346	1048	899	595	333	122	27	38	203	539	973	1275	7398
60	1191	908	744	450	208	57	8	13	113	385	823	1120	6020
57	1098	824	651	366	147	31	2	5	73	296	736	1027	5256
55	1036	768	589	313	113	20	1	3	51	241	681	965	4781
50	887	639	444	197	49	5	0	0	17	125	542	815	3720
32	403	241	76	8	0	0	0	0	0	3	168	341	1240

Base	Cooling Degree Days (1)												
	Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
32	80	118	200	402	703	970	1250	1225	848	487	185	88	6556
55	0	0	0	18	103	300	537	515	210	13	8	0	1704
57	0	0	0	11	75	251	477	455	171	6	3	0	1449
60	0	0	0	4	43	186	390	370	122	2	0	0	1117
65	0	0	0	0	13	102	254	240	62	0	0	0	671
70	0	0	0	0	3	45	148	139	25	0	0	0	360

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	15	68	218	467	743	1010	992	619	284	53	10	0	15	83	301	768	1511	2521	3513	4132	4416	4469	4479
45	0	2	24	121	322	593	855	837	476	167	18	1	0	2	26	147	469	1062	1917	2754	3230	3397	3415	3416
50	0	0	4	56	201	444	700	682	342	88	3	0	0	0	4	60	261	705	1405	2087	2429	2517	2520	2520
55	0	0	0	19	101	300	545	528	221	30	0	0	0	0	0	19	120	420	965	1493	1714	1744	1744	1744
60	0	0	0	4	43	178	394	375	124	9	0	0	0	0	0	4	47	225	619	994	1118	1127	1127	1127
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	13	64	158	291	459	640	624	395	203	45	5	0	13	77	235	526	985	1625	2249	2644	2847	2892	2897

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: LOVELL, WY

COOP ID: 485770

Climate Division: WY 4

NWS Call Sign:

Elevation: 3,837 Feet Lat: 44° 50N

Lon: 108° 24W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	29.1	4.7	16.9	63	1953	13	28.9	1981	-39	1979	7	-5.2	1979	1492	0	.0	.0	1.3	16.3	30.9	10.6
Feb	37.7	11.9	24.8	71	1982	22	35.0	1991	-35	1989	5	8.1	1989	1127	0	.0	.0	5.2	8.3	27.8	5.1
Mar	48.9	22.4	35.7	78+	1986	29	44.2	1986	-20	1978	3	25.5	1996	909	0	.0	.0	16.3	3.0	28.1	1.0
Apr	59.0	31.2	45.1	88	1980	22	51.8	1987	7+	1997	13	38.1	1975	597	0	.0	.0	23.2	.5	16.3	.0
May	68.3	41.5	54.9	97	1969	28	59.7	1987	18	1954	1	50.7	1995	321	7	.0	.3	29.5	.0	3.1	.0
Jun	78.7	49.7	64.2	103	1984	30	73.0	1988	30+	1984	2	56.7	1998	117	93	.1	4.7	29.8	.0	.1	.0
Jul	86.6	54.3	70.5	106	1954	12	74.9	1974	38+	1986	8	62.2	1993	37	206	1.0	12.4	31.0	.0	.0	.0
Aug	85.5	51.8	68.7	105	1979	6	74.1	1983	32	1956	31	63.5	1993	48	161	.3	10.1	31.0	.0	.0	.0
Sep	73.6	40.6	57.1	99+	1983	2	63.7	1998	17+	1985	30	52.0	1985	262	25	.0	1.8	28.9	.0	4.0	.0
Oct	60.5	30.6	45.6	89	1963	5	49.7	1988	-8	1991	30	41.6	1984	602	0	.0	.0	25.8	.5	18.2	.1
Nov	43.4	18.6	31.0	72+	1999	9	40.3	1999	-27	1959	16	15.8	1985	1021	0	.0	.0	9.9	5.6	27.9	2.2
Dec	31.9	7.8	19.9	66	1995	2	27.5	1980	-38+	1990	22	4.1	1983	1399	0	.0	.0	1.9	14.2	30.6	7.3
Ann	58.6	30.4	44.5	106	Jul 1954	12	74.9	Jul 1974	-39	Jan 1979	7	-5.2	Jan 1979	7932	492	1.4	29.3	233.8	48.4	187.0	26.3

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20 1971-2000

Station: LOVELL, WY

COOP ID: 485770

Climate Division: WY 4

NWS Call Sign:

Elevation: 3,837 Feet Lat: 44° 50N

Lon: 108° 24W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount											
		Means/Medians(1)		Extremes						Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution											
Month	Mean	Median	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95	
Jan	.24	.14	.43	1962	8	.76	1972	.00+	1992	2.7	1.0	.0	.0	.00	.00	.06	.10	.14	.19	.24	.30	.38	.51	.64	
Feb	.16	.11	.34	1958	6	.87	1978	.00+	1997	2.5	.9	.0	.0	.00	.00	.00	.00	.05	.09	.14	.20	.29	.42	.55	
Mar	.33	.26	.49	1967	30	1.14	1995	.00+	1999	3.5	1.2	.0	.0	.00	.00	.05	.11	.17	.23	.31	.41	.54	.76	.98	
Apr	.59	.57	1.30	1978	28	1.70	1978	.00	1983	4.5	2.1	.1	@	.03	.09	.18	.27	.36	.46	.58	.73	.93	1.26	1.59	
May	1.21	.95	1.53	1988	7	3.60	1981	.03	1973	6.7	3.8	.4	.1	.17	.27	.44	.61	.78	.98	1.20	1.48	1.85	2.45	3.04	
Jun	.99	.88	1.75	1969	25	2.64+	1997	.11	1989	6.9	3.3	.3	.0	.15	.23	.37	.51	.65	.81	.99	1.20	1.50	1.98	2.44	
Jul	.75	.65	1.35	1951	10	2.37	1993	.00+	1996	5.0	2.6	.2	@	.00	.06	.19	.31	.43	.57	.74	.94	1.21	1.66	2.11	
Aug	.60	.40	1.75	1976	2	2.08	1972	.00	1975	4.1	1.9	.2	@	.01	.04	.12	.20	.30	.41	.55	.73	.98	1.41	1.84	
Sep	.75	.54	.99	1950	30	2.56	1973	.00	1979	4.5	2.0	.5	.0	.02	.06	.15	.26	.38	.52	.69	.91	1.21	1.74	2.26	
Oct	.65	.49	1.40	1997	8	1.78	1997	.00+	1996	3.6	2.0	.3	.1	.00	.00	.20	.32	.43	.54	.67	.83	1.02	1.35	1.66	
Nov	.24	.22	.43	1962	21	.68	1974	.01	1981	2.3	1.0	.0	.0	.04	.06	.09	.13	.16	.20	.24	.29	.36	.47	.58	
Dec	.23	.19	.64	1971	4	.71	1989	.00+	1994	1.9	.9	@	.0	.00	.00	.00	.08	.13	.19	.24	.31	.39	.52	.64	
Ann	6.74+	6.81+	1.75+	Aug 1976	2	3.60	May 1981	.00+	Mar 1999	48.2	22.7	2.0	.2	4.62	5.02	5.54	5.93	6.28	6.63	6.98	7.37	7.85	8.55	9.15	

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: LOVELL, WY

COOP ID: 485770

Climate Division: WY 4

NWS Call Sign:

Elevation: 3,837 Feet

Lat: 44° 50N

Lon: 108° 24W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	5.2	4.6	3	#	6.0	1972	1	13.0	1979	29	1979	31	25	1979	2.4	1.9	.7	.2	.0	8.4	5.1	2.6	.0
Feb	3.3	1.0	#	#	6.0	1978	20	23.0	1978	8	1971	8	2	1996	1.7	1.2	.3	.2	.0	3.1	1.9	.4	.0
Mar	2.7	1.0	#	#	8.5	1994	23	8.5	1994	8	1996	9	3	1996	1.7	1.2	.4	.1	.0	2.1	1.0	.6	.0
Apr	.7	.0	#	0	3.0	1975	8	9.0	1975	9	1975	9	1	1975	.4	.3	.1	.0	.0	@	.0	.0	.0
May	.1	.0	0	0	2.0	1991	3	2.0	1991	0	0	0	0	0	@	@	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.5	.0	#	0	5.0	1984	24	9.5	1984	6	1984	24	#	1984	.2	.2	.1	@	.0	.1	.1	@	.0
Oct	.5	.0	#	0	4.0	1991	28	5.8	1991	5+	1995	29	#+	1995	.2	.2	.1	.0	.0	.3	.1	.0	.0
Nov	1.9	.2	#	0	7.0	1978	13	11.0	1978	11	1978	25	2	1978	1.0	.6	.2	.1	.0	1.4	.6	.1	.0
Dec	4.0	2.8	1	#	9.0	1996	19	17.0	1996	16+	1996	29	16	1978	1.9	1.5	.5	.1	.0	3.4	1.7	.8	.2
Ann	18.9	9.6	N/A	N/A	9.0	Dec 1996	19	23.0	Feb 1978	29	Jan 1979	31	25	Jan 1979	9.5	7.1	2.4	.7	.0	18.8	10.5	4.5	.2

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States No. 20 1971-2000

Station: LOVELL, WY

COOP ID: 485770

Climate Division: WY 4

NWS Call Sign:

Elevation: 3,837 Feet

Lat: 44° 50N

Lon: 108° 24W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/14	6/08	6/03	5/30	5/26	5/23	5/19	5/14	5/08
32	6/01	5/26	5/22	5/18	5/15	5/11	5/08	5/03	4/27
28	5/09	5/05	5/02	4/29	4/27	4/24	4/22	4/19	4/15
24	5/02	4/28	4/24	4/21	4/19	4/16	4/13	4/10	4/06
20	4/23	4/18	4/15	4/12	4/09	4/06	4/03	3/30	3/25
16	4/16	4/10	4/06	4/02	3/29	3/26	3/22	3/17	3/11
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/29	9/03	9/06	9/09	9/12	9/15	9/18	9/22	9/27
32	9/07	9/12	9/15	9/18	9/20	9/23	9/26	9/29	10/04
28	9/14	9/20	9/24	9/28	10/01	10/04	10/08	10/12	10/18
24	9/25	10/01	10/05	10/09	10/13	10/16	10/20	10/24	10/30
20	10/03	10/09	10/13	10/16	10/20	10/23	10/26	10/30	11/05
16	10/21	10/26	10/30	11/03	11/06	11/09	11/13	11/17	11/22
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	133	125	118	113	108	103	98	91	83
32	152	143	138	133	128	123	118	112	104
28	180	172	166	161	156	152	147	141	133
24	200	192	186	181	176	171	166	160	152
20	217	208	203	198	193	188	183	178	170
16	247	238	232	226	221	216	211	204	195

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: LOVELL, WY

COOP ID: 485770

Climate Division: WY 4

NWS Call Sign:

Elevation: 3,837 Feet Lat: 44° 50N

Lon: 108° 24W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1492	1127	909	597	321	117	37	48	262	602	1021	1399	7932
60	1337	987	754	450	191	51	11	15	152	447	871	1244	6510
57	1244	903	661	365	128	27	4	5	99	355	784	1151	5726
55	1182	847	599	311	94	16	1	3	71	294	729	1089	5236
50	1029	719	454	192	35	3	0	0	23	157	589	936	4137
32	525	305	82	6	0	0	0	0	0	4	202	437	1561

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	57	103	196	400	710	966	1192	1136	753	424	171	61	6169
55	0	0	0	14	90	292	481	425	134	2	8	0	1446
57	0	0	0	8	63	242	421	366	102	1	3	0	1206
60	0	0	0	3	33	177	336	282	65	0	0	0	896
65	0	0	0	0	7	93	206	161	25	0	0	0	492
70	0	0	0	0	1	38	112	75	7	0	0	0	233

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	6	64	211	477	734	955	898	525	222	34	3	0	6	70	281	758	1492	2447	3345	3870	4092	4126	4129
45	0	1	20	115	333	584	800	743	383	116	6	0	0	1	21	136	469	1053	1853	2596	2979	3095	3101	3101
50	0	0	3	52	206	438	645	588	254	46	0	0	0	0	3	55	261	699	1344	1932	2186	2232	2232	2232
55	0	0	0	18	109	296	491	435	147	12	0	0	0	0	0	18	127	423	914	1349	1496	1508	1508	1508
60	0	0	0	4	46	178	342	283	71	0	0	0	0	0	0	4	50	228	570	853	924	924	924	924
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	15	73	164	300	454	595	564	362	192	36	3	0	15	88	252	552	1006	1601	2165	2527	2719	2755	2758

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20

1971-2000

Station: LUSK 2 SW, WY

COOP ID: 485830

Climate Division: WY 7

NWS Call Sign:

Elevation: 5,090 Feet Lat: 42° 45N

Lon: 104° 29W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	33.6	10.1	21.9	69	1953	9	31.2	1981	-38	1972	14	7.6	1979	1338	0	.0	.0	3.2	11.1	29.9	6.8
Feb	38.3	14.3	26.3	69+	1982	21	35.3	1991	-32	1936	8	15.3+	1993	1084	0	.0	.0	6.5	6.9	26.9	4.0
Mar	45.7	20.7	33.2	79	1921	17	39.9	1986	-20	1960	3	27.4	1996	986	0	.0	.0	13.9	3.9	28.1	1.0
Apr	54.7	28.6	41.7	87	1962	20	48.3	1981	-9	1975	2	35.1	1997	701	0	.0	@	20.9	1.1	20.6	@
May	64.6	38.0	51.3	94+	1969	27	56.6	1994	8	1954	3	45.7	1995	427	2	.0	.1	28.5	.0	6.6	.0
Jun	75.7	46.9	61.3	105	1954	23	69.5	1988	24	1950	1	55.4	1998	160	50	.1	3.0	29.8	.0	.5	.0
Jul	83.3	52.7	68.0	105+	1936	5	71.5	1989	33	1971	30	62.4	1992	35	128	.3	9.1	31.0	.0	.0	.0
Aug	82.5	50.9	66.7	102	1960	21	71.3	1983	31	1964	28	62.5	1974	55	108	.1	6.7	30.9	.0	.0	.0
Sep	72.6	40.9	56.8	100	1960	4	63.7	1998	6	1926	24	52.7+	1993	269	21	.0	1.6	28.6	.1	4.4	.0
Oct	59.9	30.0	45.0	87+	1992	2	47.8	1988	-8	1991	31	40.8	1984	622	0	.0	.0	25.5	.6	18.0	.1
Nov	43.3	18.6	31.0	76	1949	4	41.4	1999	-24	1916	12	18.8	1985	1022	0	.0	.0	11.4	6.2	27.0	1.7
Dec	35.7	11.0	23.4	70	1941	3	32.2	1980	-36+	1990	22	10.3	1983	1292	0	.0	.0	5.0	9.9	29.9	5.6
Ann	57.5	30.2	43.9	105+	Jun 1954	23	71.5	Jul 1989	-38	Jan 1972	14	7.6	Jan 1979	7991	309	.5	20.5	235.2	39.8	191.9	19.2

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1915-2001

(3) Derived from 1971-2000 serially complete daily data

Climatology of the United States

No. 20 1971-2000

Station: LUSK 2 SW, WY

COOP ID: 485830

Climate Division: WY 7

NWS Call Sign:

Elevation: 5,090 Feet Lat: 42° 45N

Lon: 104° 29W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
		Means/ Medians(1)		Extremes						Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	.59	.51	1.45	1949	4	1.44	1978	.01	1989	5.3	1.9	.1	.0	.11	.17	.26	.34	.42	.50	.60	.72	.88	1.14	1.38
Feb	.62	.44	1.50	1998	26	2.54	1998	.00	1983	4.3	1.8	.2	@	.06	.13	.23	.32	.41	.51	.63	.77	.95	1.25	1.54
Mar	1.23	1.11	2.00	1988	12	3.06	1977	.06	1974	6.4	3.0	.5	.2	.15	.25	.43	.60	.78	.98	1.21	1.50	1.89	2.54	3.16
Apr	2.25	2.14	2.71	2000	19	5.67	1984	.25	1982	9.1	4.9	1.4	.4	.47	.67	1.00	1.30	1.61	1.93	2.30	2.74	3.32	4.25	5.13
May	2.74	2.14	3.00	1976	23	6.35	1995	.79	1985	10.8	6.0	1.7	.3	.61	.87	1.27	1.63	1.99	2.37	2.81	3.32	4.00	5.08	6.10
Jun	2.13	1.95	2.54	1941	10	5.29	1993	.21	1981	8.6	4.6	1.1	.3	.36	.54	.85	1.14	1.44	1.77	2.14	2.60	3.20	4.18	5.12
Jul	1.96	1.74	3.20	1941	12	4.16	1992	.35	1987	6.1	3.7	1.0	.2	.49	.67	.96	1.21	1.46	1.73	2.02	2.37	2.83	3.55	4.23
Aug	1.00	.91	3.19	1968	9	2.26	1998	.09	1976	5.2	2.7	.3	.1	.20	.29	.44	.58	.71	.85	1.02	1.21	1.47	1.89	2.28
Sep	1.29	.93	1.85	1999	3	4.96	1973	.00	1983	6.0	3.2	.9	.2	.06	.18	.37	.56	.76	.99	1.25	1.58	2.03	2.78	3.50
Oct	1.28	1.03	2.30	1998	5	5.09	1998	.07	1988	5.1	2.9	.7	.3	.16	.26	.44	.62	.81	1.02	1.26	1.57	1.98	2.66	3.31
Nov	.77	.71	1.16	2000	1	2.31	2000	.00	1982	5.0	2.4	.3	@	.11	.21	.34	.45	.56	.67	.80	.95	1.15	1.47	1.77
Dec	.65	.56	1.25	1987	31	2.52	1987	.00	1971	4.8	2.2	.2	@	.03	.09	.18	.28	.38	.49	.63	.80	1.03	1.42	1.79
Ann	16.51	16.32	3.20	Jul 1941	12	6.35	May 1995	.00+	Sep 1983	76.7	39.3	8.4	2.0	11.45	12.42	13.67	14.62	15.47	16.29	17.14	18.08	19.22	20.88	22.33

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1915-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: LUSK 2 SW, WY

COOP ID: 485830

Climate Division: WY 7

NWS Call Sign:

Elevation: 5,090 Feet

Lat: 42° 45N

Lon: 104° 29W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	8.0	6.5	2	1	12.0	1976	1	18.0	1972	13	1994	7	8	1993	4.3	3.3	.9	.3	.1	14.1	7.9	5.9	1.2
Feb	7.9	6.7	2	1	15.0	1998	26	23.0+	1998	22	1993	24	13	1993	3.0	2.5	1.3	.4	@	9.2	6.7	3.8	1.4
Mar	10.1	8.0	2	#	20.0	1988	12	27.5	1975	21	1993	1	11	1993	3.7	2.7	1.4	.3	.2	8.5	5.1	3.0	2.1
Apr	9.8	10.5	1	#	20.0	1997	6	22.0	1997	11+	1997	12	8	1984	2.2	1.8	.8	.4	.2	2.7	1.3	.4	.0
May	.6	.0	#	0	5.0	1983	12	6.0	1983	5	1983	12	#+	1999	.2	.2	.1	@	.0	.2	.1	@	.0
Jun	.0	.0	#	0	.5	1995	9	.5	1995	1	1995	9	#+	1998	@	.0	.0	.0	.0	.1	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.4	.0	#	0	6.0	1995	20	8.0	1995	6	1995	21	1	1995	.1	.1	.1	@	.0	.2	.2	.1	.0
Oct	3.6	3.0	#	#	12.0	1971	28	12.0	1971	11	1993	9	1	1997	1.2	1.1	.6	.3	.1	1.5	.7	.4	.1
Nov	5.7	4.0	1	#	12.0	1973	3	18.5	2000	18	1983	26	10	1983	2.8	2.3	.6	.4	.1	6.1	3.6	2.0	.5
Dec	11.2	10.0	2	1	17.0	1987	31	33.5	1987	11+	2000	17	8	1992	4.4	3.7	1.2	.6	.2	13.9	8.7	5.5	1.5
Ann	57.3	48.7	N/A	N/A	20.0+	Apr 1997	6	33.5	Dec 1987	22	Feb 1993	24	13	Feb 1993	21.9	17.7	7.0	2.7	.9	56.5	34.3	21.1	6.8

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: LUSK 2 SW, WY

COOP ID: 485830

Climate Division: WY 7

NWS Call Sign:

Elevation: 5,090 Feet

Lat: 42° 45N

Lon: 104° 29W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	7/06	6/28	6/22	6/17	6/12	6/07	6/02	5/28	5/19
32	6/12	6/06	6/02	5/30	5/27	5/24	5/20	5/16	5/11
28	5/25	5/20	5/17	5/14	5/11	5/09	5/06	5/03	4/28
24	5/12	5/07	5/04	5/01	4/29	4/26	4/24	4/20	4/16
20	5/02	4/27	4/23	4/20	4/17	4/14	4/10	4/07	4/01
16	4/26	4/20	4/16	4/13	4/10	4/06	4/03	3/30	3/24
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/26	8/31	9/03	9/07	9/09	9/12	9/15	9/19	9/24
32	9/08	9/11	9/14	9/16	9/18	9/20	9/22	9/25	9/28
28	9/11	9/16	9/19	9/21	9/24	9/26	9/29	10/02	10/06
24	9/15	9/21	9/25	9/29	10/02	10/06	10/09	10/13	10/19
20	9/22	9/30	10/05	10/09	10/13	10/17	10/21	10/26	11/02
16	10/06	10/12	10/16	10/20	10/23	10/27	10/31	11/04	11/10
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	118	108	101	94	88	83	76	69	58
32	134	127	122	117	113	109	105	100	93
28	154	148	143	139	135	131	127	122	116
24	178	170	165	160	155	151	146	141	133
20	206	196	190	184	179	173	168	161	152
16	221	213	206	201	196	191	186	180	171

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: LUSK 2 SW, WY

COOP ID: 485830

Climate Division: WY 7

NWS Call Sign:

Elevation: 5,090 Feet Lat: 42° 45N

Lon: 104° 29W

Degree Days to Selected Base Temperatures (°F)

Base	Heating Degree Days (1)												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
Below													
65	1338	1084	986	701	427	160	35	55	269	622	1022	1292	7991
60	1183	944	831	551	284	78	7	15	157	467	872	1137	6526
57	1090	860	738	463	208	44	2	6	104	375	782	1044	5716
55	1028	804	676	405	163	28	0	3	75	314	722	982	5200
50	873	666	521	269	77	7	0	0	26	177	582	827	4025
32	366	243	94	13	0	0	0	0	0	4	176	333	1229

Cooling Degree Days (1)

Base	Cooling Degree Days (1)												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
Above													
32	50	84	132	302	598	880	1116	1076	741	405	144	64	5592
55	0	0	0	4	48	219	404	366	126	3	0	0	1170
57	0	0	0	2	31	174	343	307	95	1	0	0	953
60	0	0	0	0	14	118	255	223	59	0	0	0	669
65	0	0	0	0	2	50	128	108	21	0	0	0	309
70	0	0	0	0	0	15	45	35	5	0	0	0	100

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	4	15	56	164	404	689	910	871	544	238	55	9	4	19	75	239	643	1332	2242	3113	3657	3895	3950	3959
45	0	0	20	83	263	539	755	716	401	132	17	1	0	0	20	103	366	905	1660	2376	2777	2909	2926	2927
50	0	0	0	37	151	391	600	562	271	65	1	0	0	0	0	37	188	579	1179	1741	2012	2077	2078	2078
55	0	0	0	11	67	254	446	409	162	15	0	0	0	0	0	11	78	332	778	1187	1349	1364	1364	1364
60	0	0	0	0	20	139	300	261	76	2	0	0	0	0	0	0	20	159	459	720	796	798	798	798
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	2	23	64	143	274	430	578	558	378	205	58	14	2	25	89	232	506	936	1514	2072	2450	2655	2713	2727

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: MEDICINE BOW, WY

COOP ID: 486120

Climate Division: WY10

NWS Call Sign:

Elevation: 6,570 Feet Lat: 41° 54N

Lon: 106° 12W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	31.8	11.6	21.7	58	1981	23	29.2	1971	-46	1963	19	10.6	1979	1343	0	.0	.0	.5	15.3	30.3	5.4
Feb	35.8	13.6	24.7	61+	1981	24	30.7	2000	-38	2001	9	13.0	1989	1129	0	.0	.0	1.7	10.3	27.6	4.5
Mar	45.0	20.5	32.8	72	1956	31	39.3	1986	-22+	1964	7	27.1	1976	999	0	.0	.0	10.1	3.7	30.0	.8
Apr	55.5	26.1	40.8	80	1981	26	48.4	1981	-10	1966	20	34.3	1973	727	0	.0	.0	20.8	.9	24.1	.2
May	65.8	34.3	50.1	87+	1969	27	54.6	1994	13	1954	3	45.5	1983	464	0	.0	.0	28.6	.0	12.4	.0
Jun	77.0	42.7	59.9	96	1954	23	65.9	1988	23	1951	3	54.5	1998	184	29	.0	.8	29.9	.0	1.6	.0
Jul	83.5	47.5	65.5	97+	1989	8	68.5	1998	30	1973	21	61.8	1993	42	57	.0	2.8	31.0	.0	.1	.0
Aug	82.0	45.7	63.9	96	1979	5	67.4	2000	27+	1992	27	60.1	1974	83	47	.0	1.0	31.0	.0	.3	.0
Sep	72.3	36.3	54.3	92	1978	5	60.2	1998	13	1976	29	50.4	1985	325	4	.0	.2	29.0	.1	9.5	.0
Oct	59.5	27.8	43.7	81	1976	1	48.2	1988	-13	1972	31	38.2	1984	663	0	.0	.0	25.1	.6	24.1	.1
Nov	41.4	18.1	29.8	71	1977	5	38.2	1999	-27	1952	28	18.3	2000	1059	0	.0	.0	8.2	7.5	28.1	2.3
Dec	32.8	12.1	22.5	57+	1995	1	31.8	1980	-44	1964	17	13.7	1983	1320	0	.0	.0	1.4	13.5	30.4	5.1
Ann	56.9	28.0	42.5	97+	1989	8	68.5	1998	-46	1963	19	10.6	1979	8338	137	.0	4.8	217.3	51.9	218.5	18.4

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1881-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20 1971-2000

Station: MEDICINE BOW, WY

COOP ID: 486120

Climate Division: WY10

NWS Call Sign:

Elevation: 6,570 Feet Lat: 41° 54N

Lon: 106° 12W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount											
		Means/Medians(1)		Extremes						Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution											
Month	Mean	Median	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95	
Jan	.46	.31	.85	1976	1	1.40	1975	.00	1989	6.7	1.5	.1	.0	.04	.09	.16	.23	.30	.37	.46	.56	.70	.93	1.15	
Feb	.53	.40	.75	1980	15	1.80	1980	.05+	1991	5.2	1.7	.2	.0	.06	.10	.18	.25	.33	.41	.52	.64	.81	1.09	1.36	
Mar	.65	.50	2.02	1973	14	2.18	1973	.10	1991	6.1	2.2	.2	@	.11	.17	.26	.35	.45	.55	.66	.80	.98	1.28	1.57	
Apr	1.13	1.04	.85	1968	3	2.56	1973	.19	1987	7.8	4.0	.5	@	.31	.42	.58	.72	.86	1.01	1.17	1.36	1.61	1.99	2.36	
May	1.68	1.26	2.19	2000	17	4.80	1995	.49	1990	8.7	4.6	.8	.2	.41	.57	.81	1.03	1.25	1.47	1.73	2.03	2.42	3.05	3.64	
Jun	1.16	1.06	1.90	1989	9	3.47	1989	.00+	1990	7.1	3.6	.7	.1	.00	.09	.28	.47	.66	.88	1.13	1.44	1.88	2.59	3.30	
Jul	1.13	.84	2.27	1958	24	4.47	1973	.00	1979	7.1	3.4	.5	.2	.05	.16	.33	.49	.67	.87	1.10	1.39	1.78	2.44	3.08	
Aug	.94	.87	1.75	1986	5	3.27	1979	.00	1981	6.1	2.6	.4	@	.13	.25	.41	.54	.67	.81	.97	1.15	1.40	1.78	2.15	
Sep	1.13	.86	1.40	1973	10	4.23	1973	.00	1977	5.9	2.9	.6	.1	.06	.16	.34	.50	.68	.87	1.10	1.39	1.77	2.41	3.04	
Oct	.97	.91	1.45	1979	29	2.57	1998	.00	1988	5.7	2.7	.4	.1	.03	.11	.25	.39	.54	.72	.93	1.19	1.55	2.16	2.75	
Nov	.56	.51	.84	1960	4	1.61	1973	.00	1974	6.8	2.1	@	.0	.11	.19	.28	.36	.43	.51	.59	.68	.80	1.00	1.17	
Dec	.57	.39	1.25	1975	31	3.22	1975	.01	1986	4.8	1.2	.1	@	.04	.07	.15	.22	.31	.41	.54	.69	.91	1.28	1.64	
Ann	10.91	10.21	2.27	Jul 1958	24	4.80	May 1995	.00+	Jun 1990	78.0	32.5	4.5	.7	6.67	7.44	8.45	9.24	9.95	10.64	11.37	12.19	13.19	14.66	15.96	

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1881-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: MEDICINE BOW, WY

COOP ID: 486120

Climate Division: WY10

NWS Call Sign:

Elevation: 6,570 Feet

Lat: 41° 54N

Lon: 106° 12W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	5.5	5.6	2	1	6.5	1980	25	11.7	1972	14	1980	29	10	1973	4.6	2.7	.7	.2	.0	8.7	3.2	2.1	.2
Feb	6.2	5.4	2	1	7.0	1989	2	17.3	1980	15	1980	23	11	1980	3.9	2.1	.5	.3	.0	10.3	5.8	3.4	1.0
Mar	4.7	3.6	1	#	8.5	1990	6	18.8	1990	10	1990	7	4	1980	3.1	1.6	.4	.1	.0	4.7	2.0	.9	.1
Apr	5.6	3.6	#	#	14.0	1973	19	23.2	1973	4	1981	3	3	1973	2.8	1.7	.7	.1	.1	1.6	.5	.0	.0
May	1.1	.0	#	0	3.5	1995	23	5.5	1995	2+	2000	17	#+	2000	.6	.5	.1	.0	.0	.1	.0	.0	.0
Jun	.1	.0	#	0	1.5	1976	14	1.5	1976	#	2000	28	#	2000	.1	@	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	1.7	.0	#	0	8.0	1974	12	18.0	1974	12	2000	23	1	2000	.5	.5	.2	.1	.0	.2	.1	.1	@
Oct	3.3	2.5	#	#	8.5	1975	23	10.0+	1996	10	1980	18	1	1996	1.4	.9	.4	.2	.0	1.2	.7	.4	@
Nov	5.1	4.2	1	1	6.0	1979	25	11.4	1990	11	1972	13	5	1972	4.0	1.8	.7	.2	.0	5.2	2.2	.9	.0
Dec	5.7	4.3	1	1	8.0	1972	29	14.1	1972	13	1987	28	3+	2000	3.6	1.9	.5	.1	.0	8.7	3.3	1.1	.5
Ann	39.0	29.2	N/A	N/A	14.0	Apr 1973	19	23.2	Apr 1973	15	Feb 1980	23	11	Feb 1980	24.6	13.7	4.2	1.3	.1	40.7	17.8	8.9	1.8

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: MEDICINE BOW, WY

COOP ID: 486120

Climate Division: WY10

NWS Call Sign:

Elevation: 6,570 Feet

Lat: 41° 54N

Lon: 106° 12W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	7/11	7/04	6/29	6/25	6/21	6/18	6/13	6/09	6/02
32	6/27	6/19	6/14	6/10	6/05	6/01	5/28	5/22	5/15
28	6/06	5/30	5/25	5/21	5/17	5/14	5/09	5/05	4/28
24	5/16	5/11	5/08	5/06	5/03	5/01	4/28	4/25	4/21
20	5/08	5/03	4/30	4/27	4/24	4/21	4/18	4/15	4/10
16	4/26	4/21	4/18	4/15	4/13	4/10	4/07	4/04	3/30
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/11	8/17	8/21	8/25	8/28	9/01	9/04	9/09	9/15
32	8/26	8/31	9/03	9/06	9/09	9/12	9/15	9/19	9/24
28	9/02	9/07	9/11	9/14	9/17	9/20	9/23	9/26	10/01
24	9/12	9/17	9/20	9/23	9/26	9/28	10/01	10/05	10/09
20	9/17	9/24	9/29	10/03	10/07	10/11	10/15	10/20	10/26
16	9/30	10/07	10/12	10/17	10/21	10/25	10/29	11/03	11/10
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	93	84	78	72	67	62	57	50	42
32	122	113	106	100	95	90	84	77	68
28	147	138	132	127	122	117	111	105	96
24	166	159	154	149	145	140	136	130	123
20	186	179	174	169	165	161	157	152	145
16	216	207	201	195	190	185	180	174	165

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: MEDICINE BOW, WY

COOP ID: 486120

Climate Division: WY10

NWS Call Sign:

Elevation: 6,570 Feet Lat: 41° 54N

Lon: 106° 12W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1343	1129	999	727	464	184	42	83	325	663	1059	1320	8338
60	1188	989	844	577	314	91	5	23	193	508	909	1165	6806
57	1095	905	751	488	231	52	1	8	127	415	819	1072	5964
55	1033	849	689	431	181	33	0	4	90	354	759	1010	5433
50	878	709	535	295	82	8	0	0	29	211	611	855	4213
32	352	249	101	21	0	0	0	0	0	6	178	328	1235

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	33	44	126	284	559	835	1038	988	668	365	109	31	5080
55	0	0	0	4	27	178	325	278	69	1	0	0	882
57	0	0	0	1	15	137	264	221	45	0	0	0	683
60	0	0	0	0	5	86	175	143	21	0	0	0	430
65	0	0	0	0	0	29	57	47	4	0	0	0	137
70	0	0	0	0	0	6	6	7	0	0	0	0	19

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	24	114	315	598	796	731	438	159	20	1	0	0	24	138	453	1051	1847	2578	3016	3175	3195	3196
45	0	0	0	46	181	450	641	576	299	71	0	0	0	0	0	46	227	677	1318	1894	2193	2264	2264	2264
50	0	0	0	12	82	307	486	421	172	19	0	0	0	0	0	12	94	401	887	1308	1480	1499	1499	1499
55	0	0	0	0	23	174	331	267	75	2	0	0	0	0	0	0	23	197	528	795	870	872	872	872
60	0	0	0	0	1	73	179	129	18	0	0	0	0	0	0	0	1	74	253	382	400	400	400	400
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	1	35	117	245	414	524	502	339	170	26	0	0	1	36	153	398	812	1336	1838	2177	2347	2373	2373

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: **MIDWEST, WY**

COOP ID: **486195**

Climate Division: **WY 5**

NWS Call Sign:

Elevation: **4,860 Feet** Lat: **43° 25N**

Lon: **106° 17W**

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	33.8	9.5	21.7	64	1981	23	31.8	1990	-39	1949	24	5.4	1979	1345	0	.0	.0	3.0	10.9	30.0	6.6
Feb	39.6	15.1	27.4	70	1982	21	36.1	1992	-31	1996	3	13.6	1989	1054	0	.0	.0	7.0	6.1	26.9	4.2
Mar	48.9	24.0	36.5	78+	1978	31	42.4	1986	-19	1960	3	29.1	1996	885	0	.0	.0	17.3	2.4	27.1	.7
Apr	57.3	30.6	44.0	89	1952	27	49.9	1981	-4	1975	2	37.3	1973	632	0	.0	.0	23.4	.6	18.2	.1
May	67.6	40.0	53.8	94+	1969	28	60.2	1994	15+	1967	1	46.1	1995	357	8	.0	.2	29.7	.0	4.6	.0
Jun	79.8	48.0	63.9	103	1990	30	73.6	1988	26+	1951	3	58.0	1998	118	86	.2	5.8	29.8	.0	.1	.0
Jul	87.8	53.6	70.7	106	1973	12	74.9	1988	33	1972	4	64.5	1993	20	196	1.2	16.1	31.0	.0	.0	.0
Aug	86.9	51.7	69.3	106	1979	5	74.2	1983	30	1978	19	64.4	1993	38	171	.2	12.7	31.0	.0	.5	.0
Sep	76.3	40.6	58.5	100	1950	4	65.4	1998	17	1961	30	53.7	1985	229	33	.0	4.1	29.1	.1	4.0	.0
Oct	63.0	31.1	47.1	89+	1957	1	51.3	1988	-3	1991	30	43.6	1984	556	0	.0	.0	26.8	.5	16.2	.1
Nov	44.3	18.8	31.6	76	1953	14	43.0	1999	-29	1985	30	17.4	1985	1004	0	.0	.0	11.8	5.0	25.8	1.7
Dec	35.4	10.8	23.1	69	1948	3	32.4	1980	-40	1990	28	7.6	1983	1299	0	.0	.0	4.0	9.4	29.3	4.7
Ann	60.1	31.2	45.6	106+	Aug 1979	5	74.9	Jul 1988	-40	Dec 1990	28	5.4	Jan 1979	7537	494	1.6	38.9	243.9	35.0	182.7	18.1

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20 1971-2000

Station: MIDWEST, WY

COOP ID: 486195

Climate Division: WY 5

NWS Call Sign:

Elevation: 4,860 Feet Lat: 43°25N

Lon: 106°17W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1)										
		Means/ Medians(1)		Extremes						Daily Precipitation				Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
														Monthly/Annual Precipitation vs Probability Levels										
														These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	.54	.36	2.00	1972	11	4.03	1972	.00	1987	4.8	1.8	.2	@	.00	.02	.08	.15	.23	.33	.46	.64	.88	1.32	1.76
Feb	.61	.48	2.05	1977	23	2.60	1977	.02	1992	4.7	1.7	.3	.1	.05	.09	.17	.25	.35	.45	.58	.74	.96	1.33	1.70
Mar	.95	.72	1.50	1954	18	2.27	1987	.09	1988	6.0	3.1	.3	.1	.18	.26	.40	.53	.66	.80	.96	1.16	1.41	1.82	2.21
Apr	1.71	1.46	2.00	1974	20	5.43	1973	.04	1988	7.6	3.9	1.0	.3	.19	.32	.55	.79	1.05	1.34	1.67	2.09	2.66	3.61	4.53
May	2.55	2.53	2.71	1962	21	6.10	1978	.33	1977	9.2	5.6	1.5	.6	.53	.77	1.14	1.48	1.82	2.19	2.60	3.09	3.75	4.79	5.78
Jun	1.95	1.81	2.03	1967	15	5.14	1993	.11	1996	8.4	4.7	1.2	.3	.31	.47	.76	1.03	1.30	1.61	1.95	2.38	2.94	3.87	4.75
Jul	1.35	1.17	2.59	1977	27	3.17	1973	.00	1971	5.2	3.0	1.0	.1	.13	.28	.50	.70	.90	1.12	1.37	1.67	2.07	2.72	3.33
Aug	.72	.63	2.69	1953	2	2.64	1972	.00+	1996	4.6	2.1	.3	.1	.00	.08	.21	.33	.45	.58	.72	.90	1.14	1.54	1.92
Sep	.86	.62	1.80	1982	14	3.64	1982	.05	1996	4.1	1.7	.4	.1	.06	.12	.23	.35	.48	.63	.81	1.05	1.37	1.91	2.45
Oct	1.13	1.00	1.86	1962	6	4.46	1994	.00+	2000	5.0	2.5	.8	.2	.00	.07	.24	.41	.60	.82	1.07	1.39	1.84	2.59	3.33
Nov	.69	.70	1.15	1973	3	1.63	1983	.01	1997	4.3	2.1	.3	@	.09	.15	.25	.34	.44	.56	.69	.85	1.06	1.42	1.76
Dec	.70	.47	1.84	1973	25	2.51	1973	.00	1985	4.7	2.0	.2	@	.03	.08	.18	.28	.39	.52	.67	.85	1.11	1.54	1.96
Ann	13.76	14.29	2.71	May 1962	21	6.10	May 1978	.00+	Oct 2000	68.6	34.2	7.5	1.9	7.12	8.26	9.79	11.00	12.12	13.24	14.42	15.75	17.42	19.92	22.14

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: **MIDWEST, WY**

COOP ID: **486195**

Climate Division: **WY 5**

NWS Call Sign:

Elevation: **4,860 Feet**

Lat: **43° 25N**

Lon: **106° 17W**

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	8.4	7.0	2	1	11.0	1972	11	24.5	1972	13	1972	12	6	1978	3.9	2.8	.8	.1	@	14.2	7.5	3.2	.2
Feb	7.3	7.0	2	1	18.0	1977	23	24.3	1977	24	1977	23	5	1993	3.7	2.4	.8	.3	.1	9.0	4.9	2.1	.3
Mar	8.3	8.0	#	#	12.5	1987	21	30.0	1987	10	1999	31	2	1977	3.6	2.7	1.0	.4	.1	4.3	1.4	.6	.0
Apr	6.9	6.3	1	#	20.0	1973	19	20.0	1973	36	1973	20	7	1973	2.1	1.8	.9	.5	.2	1.7	1.1	.4	.3
May	1.6	.0	#	0	7.5	1978	7	15.5	1979	3	1975	21	#+	1988	.5	.4	.3	.2	.0	.1	.0	.0	.0
Jun	#	.0	0	0	#	1979	8	#	1979	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.3	.0	#	0	8.0	1982	14	8.0	1982	7	1982	14	#+	1996	.1	@	@	@	.0	.1	@	@	.0
Oct	3.4	1.8	#	#	10.0	1993	9	13.0	1996	10	1993	9	1	1996	1.2	1.0	.4	.3	@	1.1	.4	.4	@
Nov	7.9	6.8	1	#	11.0	1977	19	16.5	1978	25	1985	30	8	1985	3.0	2.5	.9	.3	@	5.8	2.9	1.0	.1
Dec	8.9	7.3	2	1	8.0	1973	25	25.0	1978	12	1978	8	9	1978	3.8	2.6	1.1	.4	.0	11.9	6.4	3.5	1.1
Ann	53.0	44.2	N/A	N/A	20.0	Apr 1973	19	30.0	Mar 1987	36	Apr 1973	20	9	Dec 1978	21.9	16.2	6.2	2.5	.4	48.2	24.6	11.2	2.0

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: MIDWEST, WY

COOP ID: 486195

Climate Division: WY 5

NWS Call Sign:

Elevation: 4,860 Feet

Lat: 43° 25N

Lon: 106° 17W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/23	6/16	6/12	6/07	6/04	5/31	5/26	5/22	5/15
32	6/02	5/27	5/23	5/19	5/16	5/13	5/09	5/05	4/30
28	5/16	5/12	5/09	5/06	5/04	5/02	4/29	4/26	4/22
24	5/05	4/30	4/26	4/23	4/20	4/16	4/13	4/09	4/04
20	4/30	4/24	4/20	4/16	4/13	4/09	4/06	4/01	3/27
16	4/20	4/14	4/09	4/05	4/01	3/28	3/24	3/20	3/13
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/15	8/22	8/27	9/01	9/05	9/09	9/13	9/19	9/26
32	8/25	9/01	9/05	9/09	9/13	9/16	9/20	9/25	10/01
28	9/14	9/19	9/22	9/25	9/28	9/30	10/03	10/06	10/11
24	9/20	9/26	9/30	10/03	10/07	10/10	10/13	10/17	10/23
20	10/04	10/10	10/14	10/18	10/21	10/24	10/28	11/01	11/07
16	10/23	10/26	10/29	10/31	11/02	11/04	11/06	11/08	11/12
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	124	113	106	99	93	86	80	72	61
32	145	136	129	124	119	114	108	102	93
28	164	157	153	149	146	142	139	134	128
24	192	184	178	174	169	165	160	155	147
20	220	210	203	196	191	185	179	172	162
16	237	229	223	218	214	209	204	199	191

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: MIDWEST, WY

COOP ID: 486195

Climate Division: WY 5

NWS Call Sign:

Elevation: 4,860 Feet Lat: 43° 25N

Lon: 106° 17W

Degree Days to Selected Base Temperatures (°F)

Base	Heating Degree Days (1)												
	Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
65	1345	1054	885	632	357	118	20	38	229	556	1004	1299	7537
60	1190	914	730	485	226	52	3	10	127	402	854	1144	6137
57	1097	830	637	400	161	28	1	4	81	311	764	1051	5365
55	1035	774	575	345	124	17	0	2	56	254	707	989	4878
50	881	639	422	222	56	4	0	0	17	133	568	837	3779
32	389	225	49	10	0	0	0	0	0	3	178	355	1209

Cooling Degree Days (1)

Base	Cooling Degree Days (1)												
	Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
32	67	95	187	368	675	958	1199	1156	794	470	164	80	6213
55	0	0	0	13	86	284	486	445	160	8	3	0	1485
57	0	0	0	8	61	235	425	385	124	3	0	0	1241
60	0	0	0	3	33	170	335	298	81	1	0	0	921
65	0	0	0	0	8	86	196	171	33	0	0	0	494
70	0	0	0	0	1	32	93	78	10	0	0	0	214

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	2	19	78	202	463	738	978	888	594	286	60	8	2	21	99	301	764	1502	2480	3368	3962	4248	4308	4316
45	0	1	31	111	319	588	823	733	451	168	22	0	0	1	32	143	462	1050	1873	2606	3057	3225	3247	3247
50	0	0	2	51	192	443	668	578	319	81	7	0	0	0	2	53	245	688	1356	1934	2253	2334	2341	2341
55	0	0	0	16	99	299	515	424	196	26	0	0	0	0	0	16	115	414	929	1353	1549	1575	1575	1575
60	0	0	0	1	36	175	362	277	103	4	0	0	0	0	0	1	37	212	574	851	954	958	958	958
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	24	83	172	316	468	611	574	414	242	60	7	0	24	107	279	595	1063	1674	2248	2662	2904	2964	2971

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: MOORCROFT 3 S, WY

COOP ID: 486395

Climate Division: WY 6

NWS Call Sign:

Elevation: 4,325 Feet Lat: 44° 13N

Lon: 104° 56W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	31.0	4.5	17.8	66	1981	24	28.8	1981	-37	1949	24	2.0	1979	1466	0	.0	.0	1.4	14.5	30.7	9.2
Feb	36.3	10.1	23.2	68+	1995	26	33.3	1992	-43	1996	3	10.8	1989	1170	0	.0	.0	4.9	9.0	27.7	5.1
Mar	45.4	18.5	32.0	78	1986	29	39.0	1986	-26+	1996	9	23.9	1996	1025	0	.0	.0	13.1	5.0	28.2	1.8
Apr	55.4	27.3	41.4	89	1992	30	47.6	1987	-4+	1997	12	33.8	1997	710	0	.0	@	20.3	1.1	18.7	.2
May	66.3	38.1	52.2	94+	1992	18	58.7	1994	8	1954	3	46.9	1995	405	8	.0	.3	28.8	.0	5.9	.0
Jun	77.4	47.9	62.7	107	1988	25	74.8	1988	26	1989	1	54.8	1998	159	88	.3	3.3	29.9	.0	.2	.0
Jul	86.3	53.8	70.1	108	1989	9	74.3	1989	34+	1987	13	63.0	1993	31	187	1.2	11.4	31.0	.0	.0	.0
Aug	85.5	51.5	68.5	105	1995	8	74.9	1983	33+	1992	30	61.8	1974	60	167	.2	11.6	31.0	.0	.0	.0
Sep	74.1	40.7	57.4	101	1978	6	65.5	1998	17+	1991	18	52.4	1974	263	34	.1	2.6	28.9	.1	4.4	.0
Oct	59.8	28.9	44.4	90	1963	4	48.0	1999	-17	1991	30	39.5	1993	640	0	.0	.0	24.1	.8	18.1	.1
Nov	43.4	17.2	30.3	76	1999	13	43.4	1999	-26	1959	16	20.4	2000	1042	0	.0	.0	10.0	6.3	27.6	1.8
Dec	33.7	6.7	20.2	66+	1995	2	28.9	1999	-46	1990	22	3.1	1983	1389	0	.0	.0	3.2	12.2	30.6	6.8
Ann	57.9	28.8	43.4	108	1989	9	74.9	1983	-46	1990	22	2.0	1979	8360	484	1.8	29.2	226.6	49.0	192.1	25.0

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Climatology of the United States

No. 20 1971-2000

Station: MOORCROFT 3 S, WY

COOP ID: 486395

Climate Division: WY 6

NWS Call Sign:

Elevation: 4,325 Feet Lat: 44° 13N

Lon: 104° 56W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1)											
														Probability that the monthly/annual precipitation will be equal to or less than the indicated amount											
Means/Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels												
													These values were determined from the incomplete gamma distribution												
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95	
Jan	.41	.30	.80	1991	23	1.21	1977	.07	1990	5.5	1.2	@	.0	.08	.12	.18	.23	.29	.35	.42	.50	.61	.78	.94	
Feb	.34	.32	.62	1987	15	.98	1987	.00+	1998	4.5	1.2	.1	.0	.00	.00	.09	.16	.22	.28	.35	.44	.56	.73	.90	
Mar	.71	.55	.95	1950	26	1.97	1987	.14+	1978	5.6	2.8	.3	.0	.14	.20	.30	.40	.50	.60	.72	.86	1.05	1.35	1.64	
Apr	1.30	1.17	2.50	1984	26	4.39	1984	.35	1987	7.4	3.5	.4	.1	.30	.42	.61	.78	.95	1.13	1.33	1.57	1.88	2.38	2.85	
May	2.44	1.95	2.53	1978	7	12.07	1978	.47	1973	9.3	5.7	1.5	.5	.43	.65	1.00	1.34	1.68	2.05	2.47	2.98	3.66	4.75	5.80	
Jun	2.33	2.18	2.33	1964	17	4.74	1999	.56	1996	8.5	5.4	1.5	.4	.71	.93	1.26	1.54	1.82	2.11	2.42	2.79	3.27	4.01	4.71	
Jul	1.81	1.62	2.30	1982	25	3.94	1982	.39	1975	6.6	4.2	1.0	.2	.54	.71	.97	1.19	1.41	1.63	1.88	2.17	2.54	3.13	3.67	
Aug	1.36	1.27	2.20	1960	17	4.10	1993	.00	1997	5.2	3.3	.7	.1	.06	.17	.37	.56	.78	1.02	1.31	1.67	2.16	2.99	3.80	
Sep	1.06	.92	2.28	1951	3	2.86	1998	.04	1975	4.8	2.7	.6	.2	.10	.17	.32	.46	.62	.81	1.02	1.29	1.66	2.27	2.88	
Oct	1.26	.85	1.90	1995	5	4.65	1994	.04	2000	5.2	2.9	.7	.3	.08	.16	.31	.49	.68	.91	1.18	1.53	2.02	2.85	3.67	
Nov	.54	.55	.77	1986	7	1.27	1985	.00	1995	4.8	2.0	.2	.0	.07	.13	.22	.30	.38	.46	.55	.67	.81	1.05	1.27	
Dec	.38	.30	.40	1948	24	1.01	1977	.00+	1997	5.3	1.5	.0	.0	.00	.05	.12	.18	.24	.31	.39	.48	.61	.81	1.01	
Ann	13.94	13.34	2.53	May 1978	7	12.07	May 1978	.00+	Feb 1998	72.7	36.4	7.0	1.8	8.51	9.50	10.80	11.81	12.72	13.61	14.55	15.59	16.88	18.78	20.44	

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: MOORCROFT 3 S, WY

COOP ID: 486395

Climate Division: WY 6

NWS Call Sign:

Elevation: 4,325 Feet

Lat: 44° 13N

Lon: 104° 56W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	5.8	4.5	2	1	8.0	1991	23	20.0	1994	14	1993	13	9	1993	4.6	2.0	.7	.1	.0	12.1	2.4	.3	.0
Feb	4.4	4.0	2	1	6.0	1990	13	10.5	1978	11	1990	16	9	1978	3.0	1.8	.4	.1	.0	13.8	5.4	3.7	1.0
Mar	5.4	4.0	#	#	6.0	1990	6	14.5	1990	7	1977	30	2	1977	2.8	1.9	.6	.1	.0	4.0	1.9	.5	.0
Apr	4.8	2.0	#	#	8.0	1994	26	23.1	1990	7	1975	8	1	1977	2.0	1.3	.6	.4	.0	1.4	.8	.4	.0
May	2.9	.0	1	0	16.0	1978	7	55.0	1978	54	1978	8	26	1978	.7	.5	.3	.3	.1	.1	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.5	.0	#	0	5.0	2000	22	6.8	2000	1	1994	21	#+	1995	.2	.2	.1	@	.0	@	.0	.0	.0
Oct	2.5	1.0	#	0	7.0	1973	9	10.0+	1989	7	1973	9	1	1991	1.1	.9	.3	.2	.0	.9	.4	.3	.0
Nov	6.3	6.3	#	#	6.0	1991	29	11.3	2000	11	1991	30	2	1991	3.1	1.7	.3	.1	.0	2.9	1.3	.5	.1
Dec	5.6	5.1	2	1	9.0	1990	14	13.0	1990	18	1989	22	10	1989	3.8	2.3	.7	.2	.0	10.8	4.8	2.3	.3
Ann	38.2	26.9	N/A	N/A	16.0	May 1978	7	55.0	May 1978	54	May 1978	8	26	May 1978	21.3	12.6	4.0	1.5	.1	46.0	17.0	8.0	1.4

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: MOORCROFT 3 S, WY

COOP ID: 486395

Climate Division: WY 6

NWS Call Sign:

Elevation: 4,325 Feet

Lat: 44° 13N

Lon: 104° 56W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/24	6/16	6/11	6/07	6/03	5/30	5/25	5/20	5/13
32	6/09	6/02	5/29	5/25	5/21	5/17	5/13	5/09	5/02
28	5/23	5/17	5/13	5/09	5/06	5/03	4/29	4/25	4/19
24	5/10	5/05	5/01	4/27	4/24	4/21	4/18	4/14	4/08
20	4/28	4/24	4/20	4/17	4/15	4/12	4/09	4/06	4/01
16	4/19	4/13	4/09	4/06	4/02	3/30	3/26	3/22	3/17
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/30	9/03	9/06	9/09	9/12	9/14	9/17	9/21	9/25
32	9/11	9/13	9/15	9/17	9/18	9/20	9/21	9/23	9/26
28	9/15	9/19	9/22	9/25	9/27	9/29	10/02	10/05	10/09
24	9/19	9/25	9/29	10/02	10/06	10/09	10/12	10/16	10/22
20	9/27	10/04	10/08	10/12	10/16	10/20	10/24	10/29	11/04
16	10/14	10/20	10/24	10/27	10/30	11/02	11/06	11/10	11/15
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	129	119	112	106	100	95	89	82	72
32	139	132	127	123	120	116	112	107	100
28	164	157	152	147	143	139	135	129	122
24	186	178	173	168	164	159	155	149	142
20	210	201	195	189	184	178	173	166	157
16	232	225	219	215	210	206	201	196	188

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: MOORCROFT 3 S, WY

COOP ID: 486395

Climate Division: WY 6

NWS Call Sign:

Elevation: 4,325 Feet Lat: 44° 13N

Lon: 104° 56W

Degree Days to Selected Base Temperatures (°F)

Base	Heating Degree Days (1)												
	Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
65	1466	1170	1025	710	405	159	31	60	263	640	1042	1389	8360
60	1311	1030	870	560	270	85	8	21	158	485	892	1234	6924
57	1218	946	777	473	200	52	2	10	108	394	802	1141	6123
55	1156	890	715	416	159	36	1	6	80	334	742	1079	5614
50	1002	760	562	283	79	13	0	1	31	199	602	925	4457
32	495	335	135	20	0	0	0	0	0	6	188	425	1604

Cooling Degree Days (1)

Base	Cooling Degree Days (1)												
	Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
32	52	89	133	300	626	919	1179	1130	761	389	136	59	5773
55	0	0	0	6	72	266	467	423	151	4	0	0	1389
57	0	0	0	3	50	222	406	365	119	2	0	0	1167
60	0	0	0	0	28	164	319	284	79	1	0	0	875
65	0	0	0	0	8	88	187	167	34	0	0	0	484
70	0	0	0	0	2	38	92	83	12	0	0	0	227

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	9	53	172	416	704	949	913	556	229	44	4	0	9	62	234	650	1354	2303	3216	3772	4001	4045	4049
45	0	0	16	93	278	554	794	758	417	129	18	0	0	0	16	109	387	941	1735	2493	2910	3039	3057	3057
50	0	0	2	45	163	408	639	603	285	59	2	0	0	0	2	47	210	618	1257	1860	2145	2204	2206	2206
55	0	0	0	12	80	272	485	449	175	19	0	0	0	0	0	12	92	364	849	1298	1473	1492	1492	1492
60	0	0	0	4	32	157	333	300	89	3	0	0	0	0	0	4	36	193	526	826	915	918	918	918
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	14	59	141	272	440	598	576	377	190	47	9	0	14	73	214	486	926	1524	2100	2477	2667	2714	2723

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20

1971-2000

Station: MOOSE, WY

COOP ID: 486428

Climate Division: WY 2

NWS Call Sign:

Elevation: 6,470 Feet Lat: 43° 39N

Lon: 110° 43W

Temperature (°F)																					
Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	25.4	.9	13.2	50	1974	17	20.8	1981	-46	1979	1	-.1	1979	1607	0	.0	.0	@	22.9	30.8	15.4
Feb	30.9	2.8	16.9	55	1963	5	25.4	1995	-42	1982	5	8.3	1985	1348	0	.0	.0	.3	14.6	28.2	12.9
Mar	39.6	12.4	26.0	61	1986	28	33.9	1986	-25+	1965	18	16.3	1976	1210	0	.0	.0	2.6	4.8	30.7	5.2
Apr	49.2	21.8	35.5	75+	1992	30	41.2	1992	-10	1970	1	27.9	1975	886	0	.0	.0	13.1	.3	28.0	.4
May	60.6	31.0	45.8	81+	1986	31	50.8	1992	7+	1988	2	40.8	1975	595	0	.0	.0	26.1	.0	19.1	.0
Jun	70.8	37.4	54.1	90+	2001	30	60.8	1988	20	1966	5	49.8	1998	332	5	.0	.1	29.6	.0	6.6	.0
Jul	79.1	42.0	60.6	95+	2001	5	64.6	1998	26	1986	6	51.6	1993	168	29	.0	.8	31.0	.0	1.3	.0
Aug	78.3	41.1	59.7	96	2000	1	63.6	1971	22	1992	26	55.0	1993	180	15	.0	.8	31.0	.0	2.9	.0
Sep	68.6	33.5	51.1	88+	2001	5	56.3	1990	9+	1983	21	46.7	1971	419	0	.0	.0	28.5	.0	16.5	.0
Oct	55.2	24.5	39.9	82	1992	2	46.8	1988	-3	1991	30	35.2	1984	780	0	.0	.0	21.3	.4	28.5	.1
Nov	37.1	14.2	25.7	67	1999	7	32.0	1999	-20+	1993	26	18.6	2000	1181	0	.0	.0	3.6	9.3	29.4	5.0
Dec	25.5	2.0	13.8	53	1995	2	22.5	1980	-43	1978	31	2.9	1990	1590	0	.0	.0	.1	22.6	30.7	16.9
Ann	51.7	22.0	36.9	96	Aug 2000	1	64.6	Jul 1998	-46	Jan 1979	1	-.1	Jan 1979	10296	49	.0	1.7	187.2	74.9	252.7	55.9

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1958-2001

(3) Derived from 1971-2000 serially complete daily data

Climatology of the United States

No. 20 1971-2000

Station: MOOSE, WY

COOP ID: 486428

Climate Division: WY 2

NWS Call Sign:

Elevation: 6,470 Feet Lat: 43°39N

Lon: 110°43W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1)											
														Probability that the monthly/annual precipitation will be equal to or less than the indicated amount											
Means/Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels												
													These values were determined from the incomplete gamma distribution												
Month	Mean	Median	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95	
Jan	2.56	2.50	1.53	1971	17	5.79	1996	.42+	1992	15.9	8.4	.9	.1	.70	.94	1.31	1.63	1.95	2.28	2.65	3.09	3.66	4.55	5.38	
Feb	2.11	1.99	4.00	2000	12	5.04	2000	.25	1991	12.4	6.7	.8	@	.51	.71	1.02	1.29	1.57	1.85	2.17	2.56	3.06	3.85	4.59	
Mar	1.65	1.61	1.40	1965	26	4.19	1989	.20	1992	11.3	5.5	.5	@	.29	.44	.68	.91	1.14	1.39	1.67	2.02	2.47	3.21	3.92	
Apr	1.43	1.38	1.22	1965	19	3.92	1998	.24	1987	9.3	4.9	.4	@	.42	.56	.76	.94	1.11	1.29	1.49	1.72	2.02	2.50	2.94	
May	2.02	1.61	1.15	1963	9	4.85	1980	.57	1973	11.5	6.1	.9	.0	.58	.78	1.07	1.32	1.56	1.82	2.10	2.43	2.86	3.54	4.17	
Jun	1.70	1.63	1.20	1999	3	4.77	1998	.33	1986	9.8	5.1	.7	.2	.55	.71	.95	1.15	1.35	1.55	1.77	2.03	2.37	2.89	3.37	
Jul	1.41	1.06	1.50	1984	26	3.64	1987	.27	1994	8.4	4.1	.6	.2	.25	.37	.58	.77	.97	1.18	1.43	1.72	2.12	2.75	3.36	
Aug	1.43	1.17	2.50	1978	23	4.18	1978	.16	1992	9.2	4.3	.6	.1	.26	.39	.60	.79	.99	1.21	1.45	1.75	2.14	2.77	3.38	
Sep	1.32	1.19	1.43	1966	14	3.91	1985	.06	1987	8.2	4.3	.6	@	.16	.26	.45	.63	.82	1.04	1.30	1.61	2.04	2.74	3.42	
Oct	1.26	1.22	.85	1972	11	2.76	1975	.08	1999	7.8	4.0	.5	.0	.21	.32	.51	.68	.86	1.05	1.27	1.54	1.90	2.48	3.04	
Nov	2.21	1.91	1.42	1977	26	5.29	1973	.13	1976	11.9	6.6	1.0	.2	.42	.62	.94	1.24	1.54	1.87	2.24	2.69	3.29	4.24	5.15	
Dec	2.46	2.02	1.51	1964	23	7.81	1996	.60+	1986	14.0	7.6	1.0	.1	.54	.77	1.13	1.46	1.78	2.13	2.52	2.98	3.60	4.57	5.50	
Ann	21.56	20.63	4.00	Feb 2000	12	7.81	Dec 1996	.06	Sep 1987	129.7	67.6	8.5	.9	13.98	15.39	17.24	18.66	19.94	21.18	22.48	23.92	25.69	28.27	30.53	

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1958-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: MOOSE, WY

COOP ID: 486428

Climate Division: WY 2

NWS Call Sign:

Elevation: 6,470 Feet

Lat: 43° 39N

Lon: 110° 43W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall ≥ Thresholds					Snow Depth ≥ Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	39.0	39.4	29	27	16.0	1996	28	77.4	1996	56	1997	29	46	1979	14.7	11.3	5.1	2.5	.3	-9.9	-9.9	-9.9	-9.9
Feb	27.0	21.3	35	34	12.0	1974	1	59.0	1975	64	1978	12	54	1978	11.4	8.2	4.2	1.6	.3	-9.9	-9.9	-9.9	-9.9
Mar	16.6	16.0	31	32	14.0	1971	17	33.0	1975	60	1998	12	49	1976	9.0	6.5	2.3	.8	@	-9.9	-9.9	-9.9	-9.9
Apr	9.3	7.7	13	10	9.0	1976	26	30.1	1975	48	1975	10	41	1975	5.1	3.1	.9	.3	.0	15.5	14.8	14.1	11.6
May	3.2	2.0	1	#	7.0	1988	1	13.0	1988	30	1975	1	10	1975	1.8	1.2	.4	.1	.0	1.5	.6	.3	.0
Jun	.1	.0	0	0	2.0	1976	14	2.0	1976	0	0	0	0	0	.1	@	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	#	.0	0	0	#	1975	1	#	1975	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.3	.0	#	0	5.0	1978	18	5.0	1978	1	1977	23	#+	2000	.2	.1	@	@	.0	@	.0	.0	.0
Oct	4.8	4.0	#	#	8.0	1975	26	22.5	1975	13	1975	27	3	1975	2.1	1.4	.6	.3	.0	2.2	.9	.3	.0
Nov	27.1	30.5	5	5	20.0	1989	26	53.6	1988	29	1985	25	14	1988	8.8	6.7	3.2	1.3	.3	16.1	11.2	9.6	5.4
Dec	33.2	27.6	17	18	15.0	1981	30	104.2	1996	41	1996	29	29	1978	12.2	9.9	4.4	2.2	.2	-9.9	-9.9	-9.9	-9.9
Ann	160.6	148.5	N/A	N/A	20.0	Nov 1989	26	104.2	Dec 1996	64	Feb 1978	12	54	Feb 1978	65.4	48.4	21.1	9.1	1.1	-9.9	-9.9	-9.9	-9.9

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: MOOSE, WY

COOP ID: 486428

Climate Division: WY 2

NWS Call Sign:

Elevation: 6,470 Feet

Lat: 43° 39N

Lon: 110° 43W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	7/30	7/26	7/22	7/20	7/17	7/14	7/12	7/08	7/04
32	7/19	7/15	7/11	7/08	7/05	7/03	6/30	6/26	6/21
28	7/05	6/27	6/22	6/17	6/13	6/09	6/04	5/29	5/22
24	6/06	5/31	5/27	5/23	5/19	5/16	5/12	5/07	5/01
20	5/19	5/14	5/10	5/07	5/04	5/02	4/28	4/25	4/20
16	5/08	5/03	4/29	4/27	4/24	4/21	4/18	4/15	4/10
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	7/31	8/03	8/05	8/08	8/10	8/12	8/15	8/18	8/22
32	8/06	8/12	8/17	8/20	8/24	8/28	9/01	9/05	9/11
28	8/18	8/24	8/28	9/01	9/04	9/08	9/12	9/16	9/22
24	9/06	9/11	9/14	9/17	9/20	9/23	9/25	9/29	10/04
20	9/15	9/20	9/24	9/27	9/29	10/02	10/05	10/09	10/14
16	9/25	9/30	10/05	10/08	10/11	10/15	10/18	10/22	10/28
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	42	36	31	27	23	20	16	11	4
32	73	65	59	54	49	44	39	33	24
28	113	103	95	89	83	77	70	63	52
24	146	138	132	127	123	118	114	108	100
20	168	161	156	151	147	143	139	133	126
16	193	185	179	174	170	165	161	155	147

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: MOOSE, WY

COOP ID: 486428

Climate Division: WY 2

NWS Call Sign:

Elevation: 6,470 Feet Lat: 43° 39N

Lon: 110° 43W

Degree Days to Selected Base Temperatures (°F)

Base	Heating Degree Days (1)												
	Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
65	1607	1348	1210	886	595	332	168	180	419	780	1181	1590	10296
60	1452	1208	1055	736	440	200	77	76	275	625	1031	1435	8610
57	1359	1124	962	646	348	135	39	36	197	532	941	1342	7661
55	1297	1068	900	586	289	99	22	19	151	471	881	1280	7063
50	1142	928	745	439	158	35	4	2	64	319	731	1125	5692
32	594	434	237	64	1	0	0	0	0	14	234	578	2156

Base	Cooling Degree Days (1)												
	Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
32	9	10	50	168	429	662	885	859	572	256	43	11	3954
55	0	0	0	0	4	72	194	165	33	0	0	0	468
57	0	0	0	0	2	48	148	119	18	0	0	0	335
60	0	0	0	0	0	23	93	67	6	0	0	0	189
65	0	0	0	0	0	5	29	15	0	0	0	0	49
70	0	0	0	0	0	0	6	1	0	0	0	0	7

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	0	39	209	424	634	601	326	88	0	0	0	0	0	39	248	672	1306	1907	2233	2321	2321	2321
45	0	0	0	11	101	281	480	447	198	29	0	0	0	0	0	11	112	393	873	1320	1518	1547	1547	1547
50	0	0	0	0	34	153	327	296	97	3	0	0	0	0	0	0	34	187	514	810	907	910	910	910
55	0	0	0	0	1	65	184	155	27	0	0	0	0	0	0	0	1	66	250	405	432	432	432	432
60	0	0	0	0	0	14	68	53	3	0	0	0	0	0	0	0	0	14	82	135	138	138	138	138
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	0	56	182	322	459	446	293	133	7	0	0	0	0	56	238	560	1019	1465	1758	1891	1898	1898

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20

1971-2000

Station: MORAN 5 WNW, WY

COOP ID: 486440

Climate Division: WY 2

NWS Call Sign:

Elevation: 6,798 Feet Lat: 43° 51N

Lon: 110° 35W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	26.7	2.3	14.5	51	1974	16	20.5	1981	-52	1930	22	3.9	1979	1566	0	.0	.0	@	24.4	30.9	14.8
Feb	32.8	4.3	18.6	60+	1915	20	24.4	1986	-63	1933	9	10.8	1985	1301	0	.0	.0	.3	14.2	28.1	11.3
Mar	40.6	12.5	26.6	62	1915	4	33.7	1986	-43	1922	1	17.5	1976	1192	0	.0	.0	3.1	4.8	30.6	5.4
Apr	48.8	21.4	35.1	73+	1992	29	40.8	1992	-28	1945	3	28.3	1975	897	0	.0	.0	12.1	.8	28.4	.9
May	58.5	30.5	44.5	82+	1936	30	50.6	1992	5	1929	1	39.3	1975	636	0	.0	.0	25.1	.0	20.1	.0
Jun	69.2	37.6	53.4	92	1926	26	60.7	1988	18+	1929	4	47.8	1998	351	4	.0	@	29.3	.0	6.0	.0
Jul	77.9	42.5	60.2	92	2000	30	64.1	1989	23	1988	7	51.7	1993	175	26	.0	.3	31.0	.0	1.1	.0
Aug	77.3	41.3	59.3	91	1928	9	63.0	1971	19	1928	30	55.2	1993	191	13	.0	.1	31.0	.0	2.2	.0
Sep	67.6	33.7	50.7	87	1924	4	56.3	1990	7	1926	25	46.4	1986	432	1	.0	.0	28.1	.0	15.7	.0
Oct	54.7	25.6	40.2	79	1934	11	47.1	1988	-11	1917	29	34.7	1984	771	0	.0	.0	20.8	.7	27.2	.1
Nov	36.5	15.5	26.0	64+	1999	6	31.7	1999	-28	1955	16	17.6	2000	1170	0	.0	.0	2.4	10.9	29.3	3.8
Dec	26.8	4.6	15.7	53+	1939	10	23.4	1980	-50	1924	20	6.5	1990	1528	0	.0	.0	@	24.2	30.7	13.9
Ann	51.5	22.7	37.1	92+	Jul 2000	30	64.1	Jul 1989	-63	Feb 1933	9	3.9	Jan 1979	10210	44	.0	.4	183.2	80.0	250.3	50.2

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1915-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20 1971-2000

Station: MORAN 5 WNW, WY

COOP ID: 486440

Climate Division: WY 2

NWS Call Sign:

Elevation: 6,798 Feet Lat: 43° 51N

Lon: 110° 35W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1)											
														Probability that the monthly/annual precipitation will be equal to or less than the indicated amount											
Means/Medians(1)		Extremes								Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels											
														These values were determined from the incomplete gamma distribution											
Month	Mean	Median	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95	
Jan	3.22	3.36	2.12	1920	27	6.15	1998	.45	1992	14.8	9.9	1.5	.2	.85	1.16	1.62	2.03	2.44	2.86	3.33	3.89	4.62	5.76	6.83	
Feb	2.37	2.17	2.75	1927	26	7.49	1986	.55	1977	12.3	7.4	.9	.1	.62	.85	1.19	1.49	1.79	2.10	2.45	2.86	3.40	4.25	5.04	
Mar	2.24	2.18	1.68	1920	5	5.52	1974	.40	1994	12.3	7.6	.9	.1	.51	.72	1.05	1.35	1.64	1.95	2.30	2.72	3.27	4.14	4.97	
Apr	2.00	2.03	2.01	1990	28	3.34	1992	.62	1987	11.1	6.6	.7	.1	.74	.93	1.20	1.42	1.64	1.86	2.09	2.37	2.72	3.26	3.76	
May	2.32	2.41	1.25	1963	9	4.80	1996	.62	1979	11.5	7.4	1.0	.1	.79	1.01	1.33	1.60	1.86	2.13	2.42	2.77	3.21	3.89	4.51	
Jun	1.53	1.45	1.13	1989	3	3.30	1998	.38	1988	8.5	4.9	.8	@	.55	.70	.90	1.08	1.24	1.41	1.60	1.81	2.08	2.51	2.89	
Jul	1.35	1.10	1.07	1951	29	3.51	1987	.08	1988	7.6	4.2	.6	.1	.18	.28	.48	.66	.86	1.08	1.34	1.65	2.08	2.77	3.45	
Aug	1.27	1.20	1.20	1949	9	2.75	1997	.11	1985	7.6	4.3	.4	.0	.29	.40	.59	.76	.92	1.10	1.30	1.54	1.86	2.36	2.83	
Sep	1.40	1.46	1.50	1927	9	3.05	1972	.00	1987	7.0	4.6	.7	.0	.21	.39	.63	.82	1.02	1.23	1.45	1.73	2.08	2.65	3.18	
Oct	1.59	1.54	1.43	1924	11	3.51	1975	.04	1987	8.2	4.8	.8	.1	.23	.37	.59	.81	1.04	1.29	1.58	1.94	2.41	3.19	3.94	
Nov	2.88	2.73	2.95	1921	25	6.80	1988	.21	1976	13.2	8.8	1.4	.3	.62	.88	1.30	1.69	2.07	2.48	2.95	3.50	4.24	5.41	6.52	
Dec	2.99	2.84	2.12	1921	25	8.95	1996	.35	1986	14.0	8.9	1.3	.2	.63	.91	1.35	1.74	2.15	2.57	3.06	3.64	4.40	5.63	6.78	
Ann	25.16	24.68	2.95	Nov 1921	25	8.95	Dec 1996	.00	Sep 1987	128.1	79.4	11.0	1.3	17.17	18.70	20.66	22.17	23.51	24.81	26.16	27.66	29.48	32.14	34.45	

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1915-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: MORAN 5 WNW, WY

COOP ID: 486440

Climate Division: WY 2

NWS Call Sign:

Elevation: 6,798 Feet

Lat: 43° 51N

Lon: 110° 35W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	44.3	47.0	32	32	15.0	1999	23	72.0	1972	66	1978	31	53	1978	14.3	12.9	6.1	2.9	.4	-9.9	-9.9	-9.9	-9.9
Feb	31.4	22.5	39	38	18.0	1975	13	69.0	1978	73	1978	9	58	1978	10.2	8.5	4.3	2.0	.2	-9.9	-9.9	-9.9	-9.9
Mar	22.3	21.5	38	38	12.5	1974	6	69.5	1974	68	1976	25	61	1976	9.2	7.7	3.0	1.2	.2	-9.9	-9.9	-9.9	-9.9
Apr	10.2	8.3	21	22	7.0	1972	12	30.8	1975	58+	1982	3	48	1975	4.4	3.4	.9	.6	.0	-9.9	-9.9	-9.9	-9.9
May	2.1	.0	2	#	6.0	1978	4	7.5	1975	39	1975	1	18	1975	1.1	1.0	.1	@	.0	2.5	2.3	2.0	1.3
Jun	.2	.0	#	0	2.0	1973	18	3.5	1973	#	1973	18	#	1973	.1	.1	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.1	.0	#	0	2.0	1971	30	2.0	1971	1	1971	30	#	1971	.1	@	.0	.0	.0	@	.0	.0	.0
Oct	3.7	.5	#	0	12.0	1975	26	25.5	1975	11	1975	27	2	1975	1.5	1.4	.4	.2	@	1.5	.5	.4	.1
Nov	26.0	27.4	6	5	21.0	1989	26	50.6	1988	30	1991	27	19	1986	9.6	7.9	3.4	1.5	.3	18.1	13.8	11.1	5.5
Dec	41.7	35.5	19	18	18.0	1992	2	85.0	1992	45+	1996	27	31+	1978	13.6	10.8	5.5	3.0	.7	30.6	30.0	29.4	24.3
Ann	182.0	162.7	N/A	N/A	21.0	Nov 1989	26	85.0	Dec 1992	73	Feb 1978	9	61	Mar 1976	64.1	53.7	23.7	11.4	1.8	-9.9	-9.9	-9.9	-9.9

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: MORAN 5 WNW, WY

COOP ID: 486440

Climate Division: WY 2

NWS Call Sign:

Elevation: 6,798 Feet

Lat: 43° 51N

Lon: 110° 35W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	7/29	7/24	7/20	7/17	7/14	7/11	7/08	7/04	6/29
32	7/18	7/13	7/09	7/06	7/03	6/30	6/27	6/23	6/18
28	6/27	6/20	6/16	6/12	6/08	6/05	6/01	5/27	5/21
24	6/03	5/27	5/23	5/19	5/15	5/11	5/07	5/03	4/26
20	5/15	5/11	5/08	5/05	5/03	4/30	4/28	4/25	4/20
16	5/10	5/05	5/01	4/28	4/26	4/23	4/20	4/16	4/11
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	7/31	8/05	8/08	8/10	8/13	8/15	8/18	8/21	8/25
32	8/11	8/16	8/20	8/24	8/27	8/30	9/02	9/06	9/12
28	8/24	8/29	9/02	9/05	9/08	9/11	9/15	9/18	9/24
24	9/07	9/12	9/16	9/19	9/22	9/25	9/29	10/02	10/08
20	9/21	9/26	9/30	10/03	10/06	10/09	10/12	10/15	10/20
16	10/03	10/09	10/13	10/16	10/19	10/23	10/26	10/30	11/05
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	49	42	37	33	29	25	21	16	9
32	77	69	63	59	54	49	45	39	31
28	117	109	102	97	91	86	81	74	65
24	154	145	139	134	130	125	120	114	106
20	175	168	163	159	155	151	147	142	135
16	200	192	186	181	176	171	166	160	152

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: MORAN 5 WNW, WY

COOP ID: 486440

Climate Division: WY 2

NWS Call Sign:

Elevation: 6,798 Feet Lat: 43° 51N

Lon: 110° 35W

Degree Days to Selected Base Temperatures (°F)

Base	Heating Degree Days (1)												
	Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
65	1566	1301	1192	897	636	351	175	191	432	771	1170	1528	10210
60	1411	1161	1037	747	481	217	81	84	289	616	1020	1373	8517
57	1318	1077	944	657	390	149	42	41	212	523	930	1280	7563
55	1256	1021	882	597	330	111	24	23	166	461	870	1218	6959
50	1101	881	727	449	194	42	5	3	76	311	720	1063	5572
32	543	382	216	61	2	0	0	0	0	11	220	515	1950

Base	Cooling Degree Days (1)												
	Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
32	0	6	47	153	389	642	874	845	559	264	40	10	3829
55	0	0	0	0	4	64	185	155	34	0	0	0	442
57	0	0	0	0	1	42	141	112	20	0	0	0	316
60	0	0	0	0	0	19	87	61	8	0	0	0	175
65	0	0	0	0	0	4	26	13	1	0	0	0	44
70	0	0	0	0	0	0	5	1	0	0	0	0	6

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	0	30	172	409	626	591	314	82	0	0	0	0	0	30	202	611	1237	1828	2142	2224	2224	2224
45	0	0	0	4	73	264	471	436	187	26	0	0	0	0	0	4	77	341	812	1248	1435	1461	1461	1461
50	0	0	0	0	17	145	320	284	83	3	0	0	0	0	0	0	17	162	482	766	849	852	852	852
55	0	0	0	0	0	52	173	142	23	0	0	0	0	0	0	0	0	52	225	367	390	390	390	390
60	0	0	0	0	0	11	58	40	1	0	0	0	0	0	0	0	0	11	69	109	110	110	110	110
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	0	49	151	296	440	429	269	110	3	0	0	0	0	49	200	496	936	1365	1634	1744	1747	1747

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20

1971-2000

Station: MOUNTAIN VIEW, WY

COOP ID: 486555

Climate Division: WY 3

NWS Call Sign:

Elevation: 6,800 Feet Lat: 41° 16N

Lon: 110° 20W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	32.0	11.9	22.0	57	1974	15	27.7	1999	-26	1974	2	10.2	1979	1334	0	.0	.0	.9	14.7	30.5	5.9
Feb	35.7	13.7	24.7	62	1982	21	32.0	1995	-33	1989	6	11.9	1993	1129	0	.0	.0	2.2	10.0	27.8	4.0
Mar	44.3	20.7	32.5	70	1986	30	39.3	1986	-22	1969	10	26.0	1973	1008	0	.0	.0	9.4	3.2	29.9	.7
Apr	53.7	26.8	40.3	79	1992	29	47.4	1992	-3	1983	6	32.8	1975	742	0	.0	.0	19.2	.8	24.5	@
May	63.8	34.4	49.1	83	1975	14	53.9	1992	15+	1977	4	44.7	1983	492	0	.0	.0	28.4	.0	12.8	.0
Jun	74.1	42.2	58.2	92	1988	25	63.8	1988	22	1976	14	53.1	1975	226	20	.0	.1	29.8	.0	2.7	.0
Jul	80.6	47.8	64.2	93+	1989	7	68.5	1988	30+	1997	3	58.8	1993	78	52	.0	.7	31.0	.0	.1	.0
Aug	79.7	46.6	63.2	92	1979	5	66.1	2000	28	1993	30	59.5	1993	96	40	.0	.3	31.0	.0	.3	.0
Sep	70.8	39.0	54.9	88	1977	5	59.3	1979	9	1985	29	49.7	1986	308	4	.0	.0	29.1	@	6.8	.0
Oct	58.9	30.9	44.9	82	1974	18	52.1	1988	-8	1972	31	37.0	1984	622	0	.0	.0	25.0	.6	20.4	@
Nov	41.7	19.6	30.7	74	1975	6	38.3	1995	-19	1979	30	22.3	2000	1031	0	.0	.0	7.6	6.6	28.8	1.4
Dec	33.5	12.7	23.1	62	1980	17	32.9	1980	-31+	1990	22	14.2	1978	1298	0	.0	.0	1.9	13.7	30.6	4.7
Ann	55.7	28.9	42.3	93+	Jul 1989	7	68.5	Jul 1988	-33	Feb 1989	6	10.2	Jan 1979	8364	116	.0	1.1	215.5	49.6	215.2	16.7

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1966-2001

(3) Derived from 1971-2000 serially complete daily data

Climatology of the United States

No. 20 1971-2000

Station: MOUNTAIN VIEW, WY

COOP ID: 486555

Climate Division: WY 3

NWS Call Sign:

Elevation: 6,800 Feet Lat: 41°16N

Lon: 110°20W

Precipitation (inches)																								
Precipitation Totals										Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
Means/Medians(1)			Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Median	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	.44	.21	.65	1995	15	1.80	1996	.05+	1985	5.1	1.6	.1	.0	.03	.05	.10	.16	.23	.31	.41	.53	.70	1.00	1.29
Feb	.37	.28	.63	1989	2	1.21	1989	.05	1991	5.1	1.2	@	.0	.04	.07	.12	.17	.23	.29	.36	.45	.57	.77	.96
Mar	.51	.43	1.07	1996	23	1.66	1983	.06	1972	6.5	1.7	.1	@	.07	.12	.19	.26	.34	.42	.51	.63	.78	1.04	1.29
Apr	.95	.86	.95	1971	19	2.59	1999	.16	1975	7.8	3.1	.2	.0	.18	.27	.41	.53	.66	.80	.96	1.15	1.41	1.81	2.20
May	1.25	1.22	1.17	2001	3	2.70	1995	.20	1974	8.6	4.4	.3	.0	.41	.53	.70	.85	1.00	1.14	1.31	1.50	1.74	2.12	2.47
Jun	.96	.66	1.45	1991	1	3.67	1998	.02	1981	5.5	2.8	.5	.1	.04	.09	.20	.32	.47	.65	.86	1.15	1.55	2.24	2.93
Jul	.94	.95	.91	1994	31	2.46	1973	.06	2000	6.4	3.3	.3	.0	.16	.25	.39	.51	.65	.79	.95	1.15	1.42	1.84	2.25
Aug	.87	.83	1.02	1983	20	2.97	1983	.04	1974	6.2	2.7	.3	@	.07	.13	.24	.36	.49	.65	.83	1.06	1.38	1.91	2.44
Sep	1.07	.93	1.25	2000	22	3.87	1982	.03+	1979	5.4	2.9	.4	.1	.11	.19	.33	.48	.64	.82	1.04	1.30	1.66	2.26	2.85
Oct	.92	.97	.86	1971	28	2.19	1972	.02	1988	5.6	3.1	.3	.0	.11	.18	.31	.44	.57	.73	.91	1.13	1.43	1.93	2.42
Nov	.61	.54	.89	1998	7	1.71	1985	.00	1976	5.5	2.3	.1	.0	.07	.14	.24	.33	.42	.51	.62	.75	.92	1.19	1.45
Dec	.42	.28	.70+	1996	13	1.50	1996	.00	1976	4.6	1.3	.1	.0	.02	.05	.11	.17	.24	.31	.40	.51	.66	.91	1.15
Ann	9.31	9.27	1.45	Jun 1991	1	3.87	Sep 1982	.00+	Dec 1976	72.3	30.4	2.7	.2	5.12	5.85	6.83	7.60	8.31	9.01	9.74	10.57	11.60	13.14	14.50

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1966-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: MOUNTAIN VIEW, WY

COOP ID: 486555

Climate Division: WY 3

NWS Call Sign:

Elevation: 6,800 Feet

Lat: 41° 16N

Lon: 110° 20W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	5.6	3.8	3	2	6.8	1995	15	25.6	1996	21	1993	11	15	1993	4.7	1.9	.5	.2	.0	11.9	6.7	3.7	.1
Feb	5.0	2.9	3	2	6.3	1989	2	15.7	1995	19	1993	27	17	1993	4.8	1.7	.4	.1	.0	15.9	6.6	2.1	.2
Mar	4.8	3.9	2	#	10.0	1996	23	15.5	1996	18	1993	2	10	1993	4.8	1.5	.3	.1	@	2.9	.6	.3	.0
Apr	6.0	4.0	#	#	9.5	1971	19	20.5	1999	9	1985	26	3	1985	4.4	1.9	.7	.2	.0	1.3	.5	.1	.0
May	2.6	.0	#	0	9.0	1975	20	17.5	1983	18	1975	20	13	1975	1.0	.8	.3	.1	.0	.1	@	.0	.0
Jun	.4	.0	#	0	5.5	1976	13	5.5	1976	4	1976	13	#+	1998	.1	.1	@	@	.0	@	@	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	#	.0	0	0	#	1978	14	#	1978	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.6	.0	#	0	9.5	2000	23	11.0	2000	11	2000	23	1	2000	.1	.1	.1	@	.0	.2	.1	.1	@
Oct	4.1	2.5	1	0	12.0	1997	24	15.7	1991	19	1971	29	11	1971	2.0	1.3	.5	.2	@	.9	.4	.3	.2
Nov	5.5	4.3	1	#	9.0	1998	7	16.0	1985	9	1998	7	6	1985	4.1	2.0	.8	.1	.0	6.3	2.8	.9	.0
Dec	5.1	3.1	3	2	9.0	1996	13	18.8	1996	16	1985	9	16	1985	4.3	1.7	.4	.2	.0	12.9	6.3	3.3	.8
Ann	39.7	24.5	N/A	N/A	12.0	Oct 1997	24	25.6	Jan 1996	21	Jan 1993	11	17	Feb 1993	30.3	13.0	4.0	1.2	@	52.4	24.0	10.8	1.3

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States No. 20 1971-2000

Station: MOUNTAIN VIEW, WY

COOP ID: 486555

Climate Division: WY 3

NWS Call Sign:

Elevation: 6,800 Feet

Lat: 41° 16N

Lon: 110° 20W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	7/19	7/12	7/07	7/03	6/29	6/26	6/22	6/17	6/10
32	6/30	6/25	6/21	6/18	6/16	6/13	6/10	6/06	6/01
28	6/12	6/06	6/02	5/29	5/25	5/21	5/18	5/13	5/07
24	5/29	5/23	5/18	5/14	5/11	5/07	5/03	4/29	4/23
20	5/10	5/04	5/01	4/27	4/24	4/21	4/18	4/14	4/09
16	5/06	4/28	4/22	4/17	4/13	4/08	4/03	3/28	3/20
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/12	8/18	8/22	8/26	8/30	9/02	9/06	9/10	9/16
32	8/25	8/30	9/03	9/06	9/09	9/12	9/16	9/20	9/25
28	9/08	9/12	9/15	9/18	9/20	9/23	9/25	9/28	10/02
24	9/15	9/20	9/24	9/27	9/30	10/03	10/06	10/10	10/15
20	9/23	9/29	10/04	10/07	10/11	10/15	10/19	10/23	10/30
16	10/08	10/14	10/19	10/23	10/26	10/29	11/02	11/07	11/13
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	91	80	73	66	60	54	48	41	30
32	108	100	94	90	85	81	76	70	62
28	140	133	127	122	117	113	108	102	95
24	166	158	152	146	141	136	131	125	116
20	199	189	182	175	169	163	157	149	139
16	228	217	209	202	196	189	182	174	163

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: MOUNTAIN VIEW, WY

COOP ID: 486555

Climate Division: WY 3

NWS Call Sign:

Elevation: 6,800 Feet Lat: 41° 16N

Lon: 110° 20W

Degree Days to Selected Base Temperatures (°F)

Base	Heating Degree Days (1)												
	Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
65	1334	1129	1008	742	492	226	78	96	308	622	1031	1298	8364
60	1179	989	853	592	339	121	18	27	179	470	881	1143	6791
57	1086	905	760	506	253	74	6	9	117	381	791	1050	5938
55	1024	849	698	450	200	50	2	4	84	325	731	988	5405
50	869	709	544	316	95	14	0	0	29	202	582	833	4193
32	346	258	111	34	0	0	0	0	0	8	147	325	1229

Cooling Degree Days (1)

Base	Cooling Degree Days (1)												
	Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
32	36	53	126	282	532	783	997	966	686	409	107	50	5027
55	0	0	0	8	18	143	286	257	80	13	0	0	805
57	0	0	0	4	10	107	228	200	53	7	0	0	609
60	0	0	0	0	2	64	147	125	25	2	0	0	365
65	0	0	0	0	0	20	52	40	4	0	0	0	116
70	0	0	0	0	0	4	8	5	0	0	0	0	17

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	17	102	293	544	748	711	435	185	19	0	0	0	17	119	412	956	1704	2415	2850	3035	3054	3054
45	0	0	0	45	165	396	593	556	296	88	0	0	0	0	0	45	210	606	1199	1755	2051	2139	2139	2139
50	0	0	0	12	73	257	438	402	173	32	0	0	0	0	0	12	85	342	780	1182	1355	1387	1387	1387
55	0	0	0	0	21	137	283	250	76	6	0	0	0	0	0	0	21	158	441	691	767	773	773	773
60	0	0	0	0	0	51	137	109	22	0	0	0	0	0	0	0	0	51	188	297	319	319	319	319
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	1	31	101	222	367	489	471	317	164	28	0	0	1	32	133	355	722	1211	1682	1999	2163	2191	2191

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: MUDDY GAP, WY

COOP ID: 486595

Climate Division: WY10

NWS Call Sign:

Elevation: 6,245 Feet Lat: 42° 22N

Lon: 107° 27W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	31.4	14.0	22.7	55+	1971	31	30.7	1981	-34	1963	12	9.6	1979	1312	0	.0	.0	.3	15.9	30.3	5.0
Feb	35.5	16.8	26.2	60	1982	22	33.6	1991	-28+	1989	4	14.5	1989	1087	0	.0	.0	1.8	10.0	26.9	3.2
Mar	45.5	23.7	34.6	73	1986	30	41.4	1986	-23	1965	18	28.6	1973	942	0	.0	.0	10.3	3.1	26.5	.6
Apr	55.5	29.6	42.6	79+	2000	28	48.9	1992	-7	1966	20	32.6	1973	675	0	.0	.0	21.4	.9	19.2	.1
May	66.0	37.9	52.0	87+	1979	24	57.0	1994	13+	1967	14	46.5	1995	409	4	.0	.0	29.0	@	7.7	.0
Jun	78.0	46.9	62.5	97	1988	24	70.3	1988	25+	1951	3	55.4	1998	148	71	.0	1.6	29.9	.0	.7	.0
Jul	85.5	53.6	69.6	100+	1975	28	73.0	1988	30	1972	4	62.9	1993	24	165	.1	7.0	31.0	.0	@	.0
Aug	83.9	52.7	68.3	98+	1983	9	73.1	1983	31	1992	26	63.8	1974	43	145	.0	3.9	31.0	.0	@	.0
Sep	73.0	43.6	58.3	92	1983	1	62.8	1990	10	1965	20	54.8	1985	221	20	.0	.2	29.2	.1	3.7	.0
Oct	60.0	33.7	46.9	82	1992	2	50.9	1988	-8	1972	31	41.0	1984	562	0	.0	.0	25.9	.5	14.5	.1
Nov	41.8	22.8	32.3	68+	1999	7	44.2	1999	-17	1993	25	20.0	2000	981	0	.0	.0	8.1	7.1	24.3	1.3
Dec	32.7	14.9	23.8	58+	1995	1	35.8	1980	-40	1990	21	14.7	1983	1277	0	.0	.0	1.2	14.5	29.3	3.7
Ann	57.4	32.5	45.0	100+	1975	28	73.1	1983	-40	1990	21	9.6	1979	7681	405	.1	12.7	219.1	52.1	183.1	14.0

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1949-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20 1971-2000

Station: MUDDY GAP, WY

COOP ID: 486595

Climate Division: WY10

NWS Call Sign:

Elevation: 6,245 Feet Lat: 42° 22N

Lon: 107° 27W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
		Means/Medians(1)		Extremes						Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Median	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	.44	.42	.97	1987	6	1.25	1987	.00	2000	4.3	1.6	@	.0	.06	.12	.19	.25	.32	.38	.45	.54	.65	.83	1.00
Feb	.44	.42	.88	1974	5	1.64	1974	.06	1992	4.0	1.4	.1	.0	.07	.11	.18	.24	.30	.37	.45	.54	.67	.87	1.07
Mar	.86	.64	2.05	1998	18	3.85	1998	.09	1999	5.4	2.3	.4	.1	.07	.13	.24	.36	.49	.64	.82	1.04	1.35	1.86	2.37
Apr	1.36	1.15	1.52	1974	20	3.06	1999	.36	1989	7.3	4.1	.8	.2	.35	.48	.67	.85	1.02	1.20	1.40	1.64	1.95	2.44	2.89
May	2.14	1.84	2.70	1991	15	5.11	1991	.10	1973	8.2	5.0	1.1	.4	.30	.47	.78	1.08	1.39	1.73	2.13	2.61	3.27	4.34	5.37
Jun	.94	.93	1.98	1954	26	2.80	1998	.00+	1981	4.9	2.4	.5	.1	.00	.09	.26	.41	.56	.73	.93	1.17	1.50	2.05	2.58
Jul	.94	.78	2.07	1957	19	2.65	1984	.00	1980	5.4	2.4	.5	.1	.02	.08	.20	.34	.49	.66	.87	1.15	1.52	2.17	2.81
Aug	.62	.51	1.35	1953	15	3.69	1979	.00+	1995	3.5	2.0	.2	.1	.00	.00	.11	.21	.31	.44	.58	.77	1.02	1.44	1.86
Sep	1.00	.73	1.70	1982	14	4.28	1982	.02	1979	4.6	2.5	.6	.1	.08	.15	.28	.41	.57	.74	.95	1.21	1.58	2.19	2.79
Oct	.98	.65	1.50	1995	22	3.26	1972	.00	1988	4.8	2.8	.5	.1	.03	.09	.22	.36	.52	.70	.92	1.19	1.57	2.22	2.86
Nov	.79	.55	1.31	1983	27	3.37	1983	.06	1976	4.3	2.4	.3	@	.10	.16	.27	.38	.50	.63	.78	.96	1.21	1.63	2.03
Dec	.53	.50	1.05	1949	25	1.21	1972	.02	1999	4.0	1.8	.1	.0	.05	.08	.15	.23	.31	.40	.51	.64	.83	1.15	1.46
Ann	11.04	11.29	2.70	May 1991	15	5.11	May 1991	.00+	Jan 2000	60.7	30.7	5.1	1.2	7.29	7.99	8.90	9.60	10.23	10.83	11.47	12.17	13.03	14.28	15.38

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1949-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: MUDDY GAP, WY

COOP ID: 486595

Climate Division: WY10

NWS Call Sign:

Elevation: 6,245 Feet

Lat: 42° 22N

Lon: 107° 27W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	6.3	5.6	1	#	10.0	1987	6	14.7	1975	7	1988	19	5	1971	2.9	2.2	.8	.2	@	4.3	2.3	.1	.0
Feb	7.8	7.0	2	1	9.3	1997	28	18.3	1989	16	1989	5	13	1989	3.2	2.5	.9	.3	.0	3.3	1.6	.5	.0
Mar	10.2	10.0	1	#	24.0	1998	18	49.0	1998	24	1998	18	4	1998	2.8	2.2	1.1	.5	.1	2.4	1.6	1.4	.5
Apr	9.3	6.0	1	#	22.0	1999	1	37.0	1999	26	1999	3	4	1999	2.7	2.3	1.5	.9	.2	2.1	1.3	.7	.3
May	1.4	.0	#	0	8.0	1975	21	12.0	1975	18	1973	1	1	1973	.3	.3	.2	.1	.0	.2	.2	@	@
Jun	.1	.0	0	0	2.0	1998	4	2.0	1998	0	0	0	0	0	@	@	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.5	.0	#	0	6.0	1971	21	6.0	1971	12	2000	23	1	2000	.2	.2	.1	@	.0	.1	@	.0	.0
Oct	4.8	2.8	#	0	15.5	1980	16	20.0	1971	20	1971	30	2	1971	1.2	1.2	.6	.2	.1	.9	.5	.3	.2
Nov	10.8	8.0	1	#	12.0	1983	22	33.5	1983	22	1992	29	4	1992	2.8	2.4	1.3	.5	.2	2.4	1.2	.3	.0
Dec	6.8	5.7	2	1	10.0	1990	19	14.5	1972	14	1983	5	14	1983	2.6	2.0	.8	.3	@	3.7	1.5	.5	.0
Ann	58.0	45.1	N/A	N/A	24.0	Mar 1998	18	49.0	Mar 1998	26	Apr 1999	3	14	Dec 1983	18.7	15.3	7.3	3.0	.6	19.4	10.2	3.8	1.0

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States No. 20 1971-2000

Station: MUDDY GAP, WY

COOP ID: 486595

Climate Division: WY10

NWS Call Sign:

Elevation: 6,245 Feet

Lat: 42° 22N

Lon: 107° 27W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/30	6/24	6/19	6/15	6/12	6/08	6/04	5/31	5/24
32	6/20	6/13	6/08	6/04	5/31	5/27	5/22	5/17	5/10
28	5/24	5/20	5/17	5/14	5/12	5/09	5/06	5/03	4/29
24	5/12	5/07	5/04	5/01	4/28	4/25	4/22	4/18	4/14
20	5/04	4/28	4/24	4/20	4/17	4/13	4/10	4/05	3/30
16	4/27	4/21	4/17	4/14	4/10	4/07	4/03	3/30	3/24
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/28	9/02	9/05	9/08	9/11	9/14	9/17	9/20	9/25
32	9/08	9/12	9/15	9/17	9/19	9/22	9/24	9/27	10/01
28	9/14	9/18	9/21	9/24	9/26	9/29	10/01	10/05	10/09
24	9/20	9/26	9/30	10/04	10/07	10/11	10/14	10/18	10/24
20	10/03	10/08	10/12	10/15	10/18	10/21	10/24	10/28	11/02
16	10/08	10/15	10/19	10/23	10/27	10/31	11/03	11/08	11/14
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	116	107	101	95	90	85	80	73	64
32	135	127	121	116	111	106	101	95	87
28	154	148	144	140	137	134	130	126	121
24	184	177	171	166	162	157	152	147	139
20	208	200	194	188	184	179	174	168	159
16	227	217	210	204	199	193	187	180	171

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: MUDDY GAP, WY

COOP ID: 486595

Climate Division: WY10

NWS Call Sign:

Elevation: 6,245 Feet Lat: 42° 22N

Lon: 107° 27W

Degree Days to Selected Base Temperatures (°F)

Base	Heating Degree Days (1)												
	Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
65	1312	1087	942	675	409	148	24	43	221	562	981	1277	7681
60	1157	947	787	527	270	73	4	11	113	407	831	1122	6249
57	1064	863	694	442	197	42	1	4	66	317	741	1029	5460
55	1002	807	632	387	155	27	0	2	43	259	681	967	4962
50	847	667	481	261	74	8	0	0	9	138	539	812	3836
32	332	213	76	20	0	0	0	0	0	3	143	303	1090

Base	Cooling Degree Days (1)												
	Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
32	44	49	157	335	618	914	1164	1125	790	464	152	49	5861
55	0	0	0	13	60	251	451	413	142	7	0	0	1337
57	0	0	0	8	40	206	390	353	106	3	0	0	1106
60	0	0	0	3	20	146	300	267	63	1	0	0	800
65	0	0	0	0	4	71	165	145	20	0	0	0	405
70	0	0	0	0	0	26	70	60	4	0	0	0	160

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	4	44	157	378	674	906	864	539	244	47	3	0	4	48	205	583	1257	2163	3027	3566	3810	3857	3860
45	0	0	8	75	243	525	751	709	394	136	15	0	0	0	8	83	326	851	1602	2311	2705	2841	2856	2856
50	0	0	0	30	130	379	596	554	264	57	1	0	0	0	0	30	160	539	1135	1689	1953	2010	2011	2011
55	0	0	0	8	55	243	441	399	149	18	0	0	0	0	0	8	63	306	747	1146	1295	1313	1313	1313
60	0	0	0	0	15	130	291	247	67	1	0	0	0	0	0	15	145	436	683	750	751	751	751	751
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	1	38	125	261	439	587	562	358	181	26	0	0	1	39	164	425	864	1451	2013	2371	2552	2578	2578

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: NEWCASTLE, WY

COOP ID: 486660

Climate Division: WY 7

NWS Call Sign:

Elevation: 4,315 Feet Lat: 43° 51N

Lon: 104° 13W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	32.7	10.7	21.7	66	1953	12	30.9	1992	-37	1930	17	7.0	1979	1341	0	.0	.0	2.5	12.0	30.7	6.8
Feb	38.1	15.0	26.6	69	1995	25	36.6	1992	-33	1936	8	15.4	1989	1077	0	.0	.0	5.5	7.1	27.3	3.8
Mar	47.2	23.5	35.4	82+	1918	30	42.0	1986	-17	1920	6	28.1	1971	919	0	.0	.0	15.0	3.4	26.0	.8
Apr	57.5	32.6	45.1	88	1962	20	51.4	1987	-13	1936	2	39.5	1975	598	0	.0	.0	22.5	.6	15.2	@
May	67.8	42.4	55.1	98	1934	28	61.2	1994	11	1954	2	50.5	1995	317	10	.0	.2	29.8	.0	3.5	.0
Jun	79.4	51.6	65.5	104	1974	26	73.9	1988	28	1951	2	57.8	1998	95	109	.2	4.6	29.8	.0	@	.0
Jul	87.1	58.1	72.6	108	1936	5	76.9	1989	37	1921	3	65.5	1993	15	250	1.2	13.0	31.0	.0	.0	.0
Aug	84.9	56.4	70.7	105	1937	14	76.2	2000	35	1966	22	66.3	1977	35	210	.2	10.4	31.0	.0	.0	.0
Sep	73.4	46.1	59.8	101	1940	1	68.0	1998	12	1926	25	54.2	1985	209	52	@	2.3	29.3	.0	2.1	.0
Oct	60.4	34.5	47.5	90+	1992	3	50.9	1988	-11	1925	28	42.7	1984	545	0	.0	.1	26.1	.4	11.9	.0
Nov	42.7	21.8	32.3	78+	1999	8	43.4	1999	-21	1985	23	17.0	1985	983	0	.0	.0	9.4	5.4	25.3	1.1
Dec	34.0	12.6	23.3	68	1939	5	30.8	1994	-35	1983	21	8.1	1983	1292	0	.0	.0	2.8	10.9	30.6	4.9
Ann	58.8	33.8	46.3	108	1936	5	76.9	1989	-37	1930	17	7.0	1979	7426	631	1.6	30.6	234.7	39.8	172.6	17.4

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1918-2001

(3) Derived from 1971-2000 serially complete daily data

Climatology of the United States No. 20 1971-2000

Station: NEWCASTLE, WY

COOP ID: 486660

Climate Division: WY 7

NWS Call Sign:

Elevation: 4,315 Feet Lat: 43° 51N

Lon: 104° 13W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount											
		Means/Medians(1)		Extremes						Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution											
Month	Mean	Median	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95	
Jan	.44	.42	.69	1953	14	1.22	1999	.05	1989	4.9	1.6	.0	.0	.05	.09	.15	.21	.27	.35	.43	.53	.67	.91	1.13	
Feb	.58	.59	.53	1990	13	1.56	1987	.00	1983	5.3	2.2	@	.0	.10	.17	.27	.35	.43	.51	.61	.71	.85	1.08	1.28	
Mar	.77	.71	.73	1998	30	1.91	1998	.07	1974	6.5	2.8	.2	.0	.12	.19	.30	.40	.51	.63	.77	.94	1.16	1.52	1.87	
Apr	1.61	1.63	1.72+	2000	19	3.22	1986	.02	1987	8.3	4.6	.7	.1	.29	.43	.67	.88	1.11	1.35	1.63	1.96	2.40	3.12	3.80	
May	2.55	2.38	2.34	1929	26	6.00	1991	.47	1973	11.5	6.5	1.3	.2	.69	.93	1.30	1.62	1.94	2.27	2.64	3.07	3.64	4.53	5.36	
Jun	2.42	1.75	2.70	1964	8	6.35	1999	.44	1981	10.3	5.7	1.5	.4	.46	.67	1.03	1.36	1.69	2.05	2.46	2.95	3.60	4.65	5.64	
Jul	2.09	1.83	2.25	1997	19	6.23	1997	.39	1994	9.2	4.8	1.1	.5	.42	.61	.91	1.19	1.48	1.78	2.13	2.55	3.10	3.98	4.82	
Aug	1.82	1.71	2.25	1996	29	4.12	1996	.15	1975	7.2	4.2	1.1	.3	.34	.51	.77	1.02	1.27	1.54	1.85	2.22	2.71	3.51	4.26	
Sep	1.16	.96	2.60	1923	29	4.22	1986	.05	1975	5.6	3.2	.6	.1	.13	.22	.38	.55	.72	.91	1.14	1.42	1.80	2.43	3.04	
Oct	1.32	.87	2.19	1994	7	4.13	1998	.07	1979	5.9	3.4	.8	.1	.12	.21	.38	.57	.77	.99	1.26	1.61	2.07	2.86	3.63	
Nov	.70	.64	.80	1924	6	1.65	1983	.23	1979	5.7	2.7	.1	.0	.22	.29	.39	.47	.56	.64	.73	.84	.98	1.19	1.39	
Dec	.58	.57	.95	1992	13	1.59	1996	.02+	1991	5.5	2.1	.1	.0	.05	.08	.16	.24	.33	.43	.55	.70	.91	1.26	1.61	
Ann	16.04	15.30	2.70	Jun 1964	8	6.35	Jun 1999	.00	Feb 1983	85.9	43.8	7.5	1.7	10.36	11.42	12.80	13.85	14.80	15.73	16.70	17.77	19.09	21.02	22.70	

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1918-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: NEWCASTLE, WY

COOP ID: 486660

Climate Division: WY 7

NWS Call Sign:

Elevation: 4,315 Feet

Lat: 43° 51N

Lon: 104° 13W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	5.8	5.7	3	2	5.2	1991	28	14.0	1994	13+	1993	12	9	1993	4.1	3.2	.6	@	.0	17.8	11.9	8.1	2.0
Feb	6.6	5.0	2	1	7.0	1990	13	20.0	1994	12+	1993	28	10	1993	3.6	3.0	.9	.2	.0	11.1	7.9	5.0	1.7
Mar	6.1	5.0	1	#	9.0	1998	7	15.9	1989	12	1998	7	3	1998	3.2	2.9	1.0	.2	.0	4.4	2.4	1.1	.2
Apr	3.6	3.5	#	0	8.0	1975	8	14.0	1984	7	1997	11	2	1997	1.7	1.6	.5	.1	.0	1.4	.6	.2	.0
May	.3	.0	#	0	4.5	1991	3	4.5	1991	#+	2000	13	#+	2000	.1	.1	@	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.3	.0	#	0	3.0	2000	23	3.0	2000	3	2000	23	#+	2000	.2	.2	@	.0	.0	.2	@	.0	.0
Oct	1.1	.0	#	0	8.0	1987	9	8.5	1987	6	1995	31	#+	1999	.6	.4	.2	.1	.0	.4	.2	.1	.0
Nov	6.0	4.0	1	1	8.0	1977	19	21.0	1985	13	1985	30	6	1985	3.0	2.6	.8	.1	.0	7.1	4.0	2.2	.1
Dec	7.8	9.0	3	2	10.0	1980	1	24.0	1996	18	1996	26	11	1983	4.1	3.0	.9	.3	.1	15.9	10.9	7.2	1.8
Ann	37.6	32.2	N/A	N/A	10.0	Dec 1980	1	24.0	Dec 1996	18	Dec 1996	26	11	Dec 1983	20.6	17.0	4.9	1.0	.1	58.3	37.9	23.9	5.8

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: NEWCASTLE, WY

COOP ID: 486660

Climate Division: WY 7

NWS Call Sign:

Elevation: 4,315 Feet

Lat: 43° 51N

Lon: 104° 13W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/20	6/13	6/09	6/05	6/01	5/28	5/24	5/19	5/13
32	5/27	5/23	5/19	5/17	5/14	5/12	5/09	5/06	5/02
28	5/12	5/08	5/05	5/03	5/01	4/29	4/26	4/24	4/20
24	5/04	4/29	4/25	4/21	4/18	4/15	4/12	4/08	4/02
20	4/24	4/19	4/15	4/11	4/08	4/04	4/01	3/28	3/22
16	4/16	4/10	4/05	3/31	3/28	3/24	3/19	3/15	3/08
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/07	9/11	9/13	9/15	9/17	9/19	9/21	9/23	9/27
32	9/11	9/15	9/18	9/21	9/23	9/25	9/28	10/01	10/05
28	9/16	9/22	9/26	9/30	10/03	10/07	10/10	10/15	10/21
24	9/25	10/01	10/06	10/09	10/13	10/16	10/20	10/24	10/30
20	10/06	10/12	10/16	10/20	10/23	10/27	10/30	11/03	11/09
16	10/16	10/22	10/25	10/29	11/01	11/04	11/07	11/11	11/16
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	128	121	116	112	108	103	99	94	87
32	151	144	139	135	131	127	123	118	111
28	177	169	164	159	155	150	146	140	132
24	199	191	186	181	177	172	168	162	155
20	224	215	208	203	198	193	187	181	172
16	241	233	227	222	217	213	208	202	194

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: NEWCASTLE, WY

COOP ID: 486660

Climate Division: WY 7

NWS Call Sign:

Elevation: 4,315 Feet Lat: 43° 51N

Lon: 104° 13W

Degree Days to Selected Base Temperatures (°F)

Base	Heating Degree Days (1)												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
Below													
65	1341	1077	919	598	317	95	15	35	209	545	983	1292	7426
60	1186	937	764	450	190	39	2	10	117	392	833	1137	6057
57	1093	853	671	364	128	19	0	4	75	303	743	1044	5297
55	1031	797	609	310	94	11	0	2	53	248	685	982	4822
50	878	663	460	189	35	2	0	0	17	131	546	828	3749
32	386	246	76	5	0	0	0	0	0	3	159	339	1214

Base	Cooling Degree Days (1)												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
Above													
32	68	93	179	396	715	1004	1258	1198	832	480	166	70	6459
55	0	0	0	12	96	325	545	487	195	12	2	0	1674
57	0	0	0	6	68	273	483	427	157	6	0	0	1420
60	0	0	0	2	37	202	392	340	109	2	0	0	1084
65	0	0	0	0	10	109	250	210	52	0	0	0	631
70	0	0	0	0	2	47	135	110	19	0	0	0	313

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	11	72	227	501	783	1025	973	623	284	49	5	0	11	83	310	811	1594	2619	3592	4215	4499	4548	4553
45	0	1	26	130	355	633	870	818	481	167	16	0	0	1	27	157	512	1145	2015	2833	3314	3481	3497	3497
50	0	0	4	68	221	486	715	663	345	87	2	0	0	0	4	72	293	779	1494	2157	2502	2589	2591	2591
55	0	0	0	27	120	343	560	510	227	32	0	0	0	0	0	27	147	490	1050	1560	1787	1819	1819	1819
60	0	0	0	7	55	216	406	359	129	7	0	0	0	0	0	7	62	278	684	1043	1172	1179	1179	1179
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	1	14	66	165	318	497	660	628	399	198	39	5	1	15	81	246	564	1061	1721	2349	2748	2946	2985	2990

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20

1971-2000

Station: PAVILLION, WY

COOP ID: 487115

Climate Division: WY 9

NWS Call Sign:

Elevation: 5,420 Feet Lat: 43° 14N

Lon: 108° 42W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	32.3	9.2	20.8	63	1953	9	31.0	1999	-36+	1979	1	.0	1979	1371	0	.0	.0	2.4	13.9	30.3	8.1
Feb	38.4	14.0	26.2	70	1951	11	34.8	1991	-27	1989	4	8.3	1989	1087	0	.0	.0	5.5	7.6	27.4	4.7
Mar	48.9	22.6	35.8	76	1966	30	42.9	1986	-17+	1965	25	29.3	1973	906	0	.0	.0	15.5	2.0	28.1	.7
Apr	58.5	30.3	44.4	81+	1992	29	50.7	1987	0	1975	2	37.8+	1975	617	0	.0	.0	24.4	.3	19.5	@
May	67.5	39.2	53.4	90	1954	20	58.2	1994	17	1984	6	48.8	1995	364	2	.0	.0	29.7	.0	5.9	.0
Jun	77.5	47.2	62.4	96	1954	23	69.3	1988	20	1982	1	55.1	1998	143	63	.0	1.8	29.9	.0	.4	.0
Jul	84.5	52.7	68.6	98	1954	11	72.5	1989	35	1986	6	62.0	1993	33	144	.0	5.8	31.0	.0	.0	.0
Aug	82.8	51.3	67.1	98+	1979	5	70.9	1983	34	1962	31	63.5	1974	47	111	.0	2.4	31.0	.0	.0	.0
Sep	72.1	42.0	57.1	97	1950	6	62.3	1979	15	1985	30	52.6	1971	256	16	.0	.2	28.9	@	3.3	.0
Oct	59.5	32.5	46.0	83	1980	1	53.4	1988	-5	1971	30	41.2	1971	590	0	.0	.0	26.0	.4	16.4	.1
Nov	41.8	19.5	30.7	69+	1999	4	43.3	1999	-22+	1985	20	16.6	2000	1031	0	.0	.0	9.0	6.7	27.6	3.1
Dec	33.1	10.5	21.8	65	1980	17	34.4	1980	-40	1983	23	6.1	1983	1339	0	.0	.0	2.7	14.6	30.4	6.4
Ann	58.1	30.9	44.5	98+	Aug 1979	5	72.5	Jul 1989	-40	Dec 1983	23	.0	Jan 1979	7784	336	.0	10.2	236.0	45.5	189.3	23.1

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20 1971-2000

Station: PAVILLION, WY

COOP ID: 487115

Climate Division: WY 9

NWS Call Sign:

Elevation: 5,420 Feet Lat: 43° 14N

Lon: 108° 42W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
		Means/ Medians(1)		Extremes						Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	.19	.11	.42	1993	3	.89	1993	.00+	1999	1.8	.6	.0	.0	.00	.00	.00	.04	.07	.12	.17	.23	.32	.48	.63
Feb	.19	.15	.45	1996	26	.66	1987	.00+	1999	1.3	.6	@	.0	.00	.00	.00	.07	.11	.15	.20	.25	.32	.44	.55
Mar	.36	.29	.70	1977	25	1.17	1998	.00	1988	2.3	1.2	.1	.0	.01	.04	.09	.14	.20	.26	.34	.44	.57	.80	1.02
Apr	.97	.75	1.20	1952	16	4.04	1999	.00+	2000	4.3	2.8	.4	.0	.00	.14	.32	.48	.63	.80	.99	1.21	1.51	2.00	2.47
May	1.79	1.53	1.68	1989	29	4.94	1971	.00	1984	5.5	4.0	1.0	.2	.11	.28	.56	.82	1.10	1.41	1.77	2.21	2.81	3.81	4.77
Jun	.93	.61	2.01	1993	3	3.14	1993	.00+	1981	3.4	2.0	.4	.1	.00	.00	.08	.26	.44	.64	.88	1.18	1.58	2.25	2.93
Jul	.79	.76	2.05	1977	25	2.35	1992	.00+	2000	3.0	1.9	.4	.1	.00	.00	.07	.22	.37	.54	.74	.99	1.34	1.90	2.48
Aug	.57	.45	1.20	1976	1	1.82	1976	.00	1985	3.2	1.7	.2	@	.05	.11	.20	.28	.37	.46	.57	.70	.88	1.16	1.44
Sep	.90	.68	2.01	1982	14	4.54	1973	.00+	1992	2.9	2.0	.5	.2	.00	.00	.06	.22	.39	.58	.82	1.12	1.53	2.22	2.94
Oct	.57	.37	1.16	1951	4	2.59	1971	.00+	2000	2.3	1.4	.2	.0	.00	.00	.07	.16	.25	.37	.51	.69	.94	1.38	1.82
Nov	.36	.30	1.25	2001	24	1.17	1985	.00+	1999	2.1	1.1	.1	@	.00	.00	.05	.13	.20	.27	.36	.47	.61	.84	1.07
Dec	.19	.17	.44	1967	17	.91	1997	.00+	1998	1.9	.7	.0	.0	.00	.00	.00	.05	.10	.14	.19	.25	.33	.47	.60
Ann	7.81	7.66	2.05	Jul 1977	25	4.94	May 1971	.00+	Oct 2000	34.0	20.0	3.3	.6	3.47	4.17	5.13	5.91	6.65	7.38	8.17	9.08	10.22	11.95	13.51

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: PAVILLION, WY

COOP ID: 487115

Climate Division: WY 9

NWS Call Sign:

Elevation: 5,420 Feet

Lat: 43° 14N

Lon: 108° 42W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	2.8	3.0	1	#	6.0	1972	12	8.0	1997	8	1995	16	7	1979	1.2	1.0	.4	.1	.0	3.7	1.6	.1	.0
Feb	2.2	.5	1	#	9.0	1996	26	10.0	1996	10	1996	29	10	1993	.8	.5	.3	@	.0	.8	.5	.3	.2
Mar	2.9	1.0	1	#	8.0	1998	28	16.0	1998	11	1998	29	6	1980	.9	.7	.2	.2	.0	.9	.6	.3	.1
Apr	2.7	.0	#	#	7.0	1999	22	22.5	1991	11	1983	3	2	1999	.7	.7	.2	.2	.0	.8	.5	.3	.0
May	.3	.0	#	0	6.0	1975	20	8.0	1975	15	1983	11	1	1983	.1	.1	@	@	.0	.1	.1	.1	.0
Jun	.2	.0	#	0	4.5	1998	4	4.5	1998	5	1998	4	#	1998	@	@	@	.0	.0	@	@	@	.0
Jul	.0	.0	#	0	.0	0	0	.0	0	#	1989	8	#	1989	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.5	.0	#	0	13.0	1982	14	13.0	1982	13	1982	14	1	1982	@	@	@	@	@	.0	.0	.0	.0
Oct	.9	.0	#	0	4.5	1996	20	4.5+	1996	7	1991	28	1	1991	.4	.3	.2	.0	.0	.4	.2	.1	.0
Nov	3.7	2.0	#	#	12.0	1985	13	13.5	1985	7+	1992	28	1+	2000	1.2	.9	.3	.2	@	2.1	.9	.4	.0
Dec	3.3	1.0	1	#	8.0	1979	24	12.5	1997	9	1992	16	8	1992	1.1	.8	.3	.2	.0	-9.9	-9.9	-9.9	-9.9
Ann	19.5	7.5	N/A	N/A	13.0	Sep 1982	14	22.5	Apr 1991	15	May 1983	11	10	Feb 1993	6.4	5.0	1.9	.9	@	-9.9	-9.9	-9.9	-9.9

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: PAVILLION, WY

COOP ID: 487115

Climate Division: WY 9

NWS Call Sign:

Elevation: 5,420 Feet

Lat: 43° 14N

Lon: 108° 42W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/26	6/20	6/15	6/12	6/08	6/04	6/01	5/27	5/21
32	6/06	5/31	5/28	5/25	5/22	5/19	5/16	5/12	5/07
28	5/25	5/19	5/14	5/10	5/06	5/03	4/29	4/24	4/17
24	5/10	5/04	4/30	4/26	4/23	4/19	4/16	4/11	4/05
20	5/03	4/26	4/21	4/17	4/13	4/09	4/05	3/31	3/24
16	4/19	4/13	4/09	4/06	4/03	3/31	3/27	3/23	3/18
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/01	9/05	9/08	9/10	9/12	9/15	9/17	9/20	9/24
32	9/12	9/15	9/18	9/20	9/22	9/24	9/27	9/29	10/03
28	9/16	9/22	9/26	9/29	10/03	10/06	10/09	10/13	10/19
24	9/26	10/02	10/06	10/09	10/13	10/16	10/20	10/24	10/30
20	10/08	10/13	10/17	10/20	10/23	10/26	10/30	11/03	11/08
16	10/21	10/25	10/28	10/31	11/02	11/05	11/07	11/11	11/15
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	117	109	104	100	95	91	87	81	74
32	140	134	130	126	123	120	116	112	106
28	176	167	160	154	149	143	137	130	121
24	197	189	183	177	172	168	162	156	148
20	223	212	205	199	193	187	180	173	162
16	235	228	222	217	213	208	204	198	190

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: PAVILLION, WY

COOP ID: 487115

Climate Division: WY 9

NWS Call Sign:

Elevation: 5,420 Feet Lat: 43° 14N

Lon: 108° 42W

Degree Days to Selected Base Temperatures (°F)

Base	Heating Degree Days (1)												
	Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
65	1371	1087	906	617	364	143	33	47	256	590	1031	1339	7784
60	1216	947	751	471	223	66	7	11	143	435	881	1184	6335
57	1123	863	658	386	152	36	2	4	90	344	791	1091	5540
55	1061	807	596	332	112	22	1	2	63	285	733	1029	5043
50	910	678	448	212	43	5	0	0	19	160	594	877	3946
32	421	269	70	10	0	0	0	0	0	5	195	391	1361

Base	Cooling Degree Days (1)												
	Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
32	73	106	188	383	662	910	1134	1088	751	438	155	75	5963
55	0	0	0	15	61	242	422	376	124	6	2	0	1248
57	0	0	0	9	39	196	361	316	91	2	0	0	1014
60	0	0	0	4	17	136	273	231	53	0	0	0	714
65	0	0	0	0	2	63	144	111	16	0	0	0	336
70	0	0	0	0	0	21	57	36	3	0	0	0	117

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	10	55	189	430	676	889	844	522	224	29	2	0	10	65	254	684	1360	2249	3093	3615	3839	3868	3870
45	0	0	18	98	282	526	734	689	381	116	9	0	0	0	18	116	398	924	1658	2347	2728	2844	2853	2853
50	0	0	1	40	160	381	579	534	250	48	0	0	0	0	1	41	201	582	1161	1695	1945	1993	1993	1993
55	0	0	0	13	74	246	424	379	138	14	0	0	0	0	0	13	87	333	757	1136	1274	1288	1288	1288
60	0	0	0	0	19	130	272	232	52	0	0	0	0	0	0	0	19	149	421	653	705	705	705	705
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	12	62	158	286	433	574	545	349	178	30	3	0	12	74	232	518	951	1525	2070	2419	2597	2627	2630

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20

1971-2000

Station: PHILLIPS, WY

COOP ID: 487200

Climate Division: WY 8

NWS Call Sign:

Elevation: 4,982 Feet Lat: 41° 38N

Lon: 104° 30W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	40.3	13.8	27.1	71+	1997	3	37.1	1986	-32	1963	23	13.4	1979	1177	0	.0	.0	7.9	7.2	27.7	4.5
Feb	43.9	16.4	30.2	75	1962	11	37.7	1992	-26	1982	5	18.5	1989	976	0	.0	.0	10.5	4.9	25.0	2.7
Mar	51.1	21.8	36.5	80	1989	10	44.1	1986	-20	1960	3	32.3	1975	886	0	.0	.0	17.4	2.6	25.5	.8
Apr	59.2	29.0	44.1	88	1989	22	51.0	1981	-12	1975	2	37.3	1983	627	0	.0	.0	23.5	.6	16.5	.1
May	68.6	38.7	53.7	93+	1994	30	58.3	1994	12	1983	12	48.1	1995	356	4	.0	.2	29.5	@	4.5	.0
Jun	80.1	48.4	64.3	104+	1994	26	70.7	1988	27	1969	2	59.6	1982	99	77	.2	4.0	29.9	.0	.3	.0
Jul	87.3	53.4	70.4	105	1954	11	73.7	2000	36	1999	10	66.6	1990	13	177	.8	12.1	31.0	.0	.0	.0
Aug	85.7	51.5	68.6	102	1996	12	73.5	2000	25	1984	28	65.3	1974	33	143	.2	8.6	31.0	.0	.1	.0
Sep	76.5	41.4	59.0	100	1998	6	66.4	1998	11	1985	30	53.5	1984	216	33	@	2.6	29.4	.1	3.2	.0
Oct	64.9	31.0	48.0	89+	1996	11	50.8	1999	-4	1997	26	42.1	1984	528	0	.0	.0	27.8	.4	13.2	.1
Nov	49.1	20.7	34.9	82	1999	7	45.0	1999	-20	1976	27	27.0	1985	903	0	.0	.0	14.8	3.6	24.6	.9
Dec	42.0	15.1	28.6	73	1995	1	37.5	1980	-33	1990	22	15.1	1983	1130	0	.0	.0	9.2	6.4	28.1	3.5
Ann	62.4	31.8	47.1	105	Jul 1954	11	73.7	Jul 2000	-33	Dec 1990	22	13.4	Jan 1979	6944	434	1.2	27.5	261.9	25.8	168.7	12.6

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20 1971-2000

Station: PHILLIPS, WY

COOP ID: 487200

Climate Division: WY 8

NWS Call Sign:

Elevation: 4,982 Feet Lat: 41° 38N

Lon: 104° 30W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
		Means/Medians(1)		Extremes						Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Median	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	.40	.40	.58	1974	18	.92	1974	.01	1989	5.1	1.5	@	.0	.08	.12	.18	.23	.29	.35	.41	.49	.60	.76	.92
Feb	.40	.26	.49	1961	17	1.14	1987	.00+	1999	4.4	1.5	.0	.0	.00	.03	.09	.15	.22	.29	.38	.49	.64	.89	1.14
Mar	.83	.74	1.44	1990	6	2.55+	1990	.14	1995	6.5	2.8	.2	@	.17	.25	.37	.48	.60	.71	.85	1.01	1.22	1.57	1.89
Apr	1.54	1.36	1.83	1988	22	3.80	1971	.16	1992	7.9	4.6	.7	.1	.38	.52	.74	.94	1.14	1.35	1.58	1.86	2.23	2.80	3.34
May	2.79	2.68	3.06	1967	29	5.57	1995	.38	1974	11.1	6.3	1.5	.5	.62	.88	1.28	1.65	2.02	2.42	2.86	3.39	4.08	5.19	6.23
Jun	2.27	1.84	2.81	1991	2	5.47	1991	.32	1980	8.7	4.8	1.5	.4	.34	.53	.86	1.17	1.50	1.86	2.27	2.77	3.45	4.55	5.61
Jul	2.14	1.98	2.80	1973	24	6.42	1973	.56	2000	8.8	5.0	1.1	.4	.59	.79	1.10	1.37	1.63	1.91	2.21	2.58	3.05	3.79	4.48
Aug	1.68	1.58	1.52	1985	2	3.84	1972	.29	1986	8.2	4.1	1.0	.2	.35	.50	.75	.97	1.20	1.44	1.71	2.04	2.48	3.17	3.83
Sep	1.27	1.10	1.20	1981	6	3.88	1973	.03	1992	6.0	3.2	.8	.1	.15	.24	.42	.60	.79	1.00	1.25	1.55	1.97	2.65	3.32
Oct	.87	.78	1.13	1986	2	3.28	1998	.11	1977	5.4	2.6	.3	.1	.12	.19	.31	.43	.56	.70	.87	1.07	1.34	1.78	2.20
Nov	.73	.50	1.69	2000	1	2.93	1979	.01	1971	4.6	2.2	.1	.1	.04	.08	.17	.27	.38	.51	.67	.88	1.17	1.67	2.17
Dec	.45	.41	.75	1975	31	1.08	1975	.02	1991	5.1	1.6	.1	.0	.04	.07	.13	.20	.26	.34	.43	.55	.71	.97	1.23
Ann	15.37	15.58	3.06	May 1967	29	6.42	Jul 1973	.00+	Feb 1999	81.8	40.2	7.3	1.9	9.79	10.82	12.17	13.21	14.15	15.07	16.02	17.09	18.39	20.30	21.98

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: PHILLIPS, WY

COOP ID: 487200

Climate Division: WY 8

NWS Call Sign:

Elevation: 4,982 Feet

Lat: 41° 38N

Lon: 104° 30W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	7.4	7.0	2	1	8.0	1988	19	19.0	1980	15	1976	2	7	1976	4.7	2.9	.7	.2	.0	9.3	4.9	2.4	.2
Feb	5.9	4.8	1	#	7.0	1984	11	20.0	1984	10	1990	15	3	1993	3.6	2.2	.8	.2	.0	6.8	3.4	1.5	.1
Mar	7.7	5.2	1	#	16.0	1990	6	28.5	1983	17	1990	7	3	1990	4.0	2.6	1.1	.4	.1	4.9	2.9	1.4	.3
Apr	5.8	4.0	#	#	8.0	1973	7	20.5+	1984	12	1986	9	2	1983	2.3	1.9	.8	.4	.0	2.2	1.4	.9	.1
May	1.0	.0	#	0	8.0	1983	17	12.5	1983	8	1983	17	#+	1983	.5	.4	.2	@	.0	.2	.1	@	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.6	.0	#	0	6.5	1985	28	7.0	1985	12	2000	23	1	2000	.3	.2	.1	.1	.0	.1	.1	@	.0
Oct	3.0	2.0	#	#	8.0	1997	24	9.0	1979	14	1997	25	2	1997	1.2	1.0	.5	.2	.0	1.1	.7	.4	.1
Nov	5.8	5.7	1	1	16.0	1993	12	16.5	1973	36	1979	22	9	1979	3.2	2.2	.8	.3	@	5.9	2.7	1.3	.6
Dec	8.2	6.5	2	1	13.0	1987	24	28.0	1987	17	1979	1	10	1979	4.5	3.0	.9	.4	.1	8.9	4.9	2.3	.2
Ann	45.4	35.2	N/A	N/A	16.0+	Nov 1993	12	28.5	Mar 1983	36	Nov 1979	22	10	Dec 1979	24.3	16.4	5.9	2.2	.2	39.4	21.1	10.2	1.6

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: PHILLIPS, WY

COOP ID: 487200

Climate Division: WY 8

NWS Call Sign:

Elevation: 4,982 Feet

Lat: 41° 38N

Lon: 104° 30W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/23	6/17	6/13	6/09	6/05	6/02	5/29	5/25	5/19
32	6/10	6/03	5/29	5/25	5/21	5/17	5/12	5/07	5/01
28	5/21	5/16	5/12	5/09	5/06	5/03	4/30	4/26	4/21
24	5/09	5/05	5/01	4/28	4/26	4/23	4/20	4/17	4/12
20	4/30	4/24	4/19	4/15	4/12	4/08	4/05	3/31	3/25
16	4/22	4/16	4/12	4/08	4/04	4/01	3/28	3/24	3/18
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/31	9/05	9/08	9/10	9/13	9/15	9/18	9/21	9/25
32	9/05	9/10	9/14	9/17	9/19	9/22	9/25	9/29	10/04
28	9/10	9/16	9/20	9/23	9/26	9/30	10/03	10/07	10/13
24	9/24	9/29	10/03	10/06	10/09	10/12	10/16	10/19	10/25
20	10/04	10/09	10/12	10/15	10/18	10/21	10/24	10/28	11/02
16	10/09	10/14	10/18	10/22	10/25	10/28	11/01	11/05	11/11
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	123	115	109	104	99	94	89	83	75
32	147	138	132	126	121	116	110	104	95
28	166	158	152	147	143	138	133	128	120
24	187	180	175	170	166	162	157	152	145
20	213	204	198	193	189	184	179	173	164
16	233	223	215	209	203	197	191	183	173

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: PHILLIPS, WY

COOP ID: 487200

Climate Division: WY 8

NWS Call Sign:

Elevation: 4,982 Feet Lat: 41° 38N

Lon: 104° 30W

Degree Days to Selected Base Temperatures (°F)

Base	Heating Degree Days (1)												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
Below													
65	1177	976	886	627	356	99	13	33	216	528	903	1130	6944
60	1022	836	731	480	220	37	1	7	117	375	753	975	5554
57	929	752	638	395	151	17	0	2	73	286	663	882	4788
55	867	696	576	341	113	9	0	1	50	230	603	820	4306
50	717	556	424	220	47	1	0	0	15	116	465	666	3227
32	256	154	47	11	0	0	0	0	0	1	101	210	780

Cooling Degree Days (1)

Base	Cooling Degree Days (1)												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
Above													
32	102	102	185	374	670	969	1188	1133	808	496	188	103	6318
55	0	0	0	14	71	287	475	421	168	12	0	0	1448
57	0	0	0	8	47	235	413	361	130	6	0	0	1200
60	0	0	0	3	22	166	321	273	84	2	0	0	871
65	0	0	0	0	4	77	177	143	33	0	0	0	434
70	0	0	0	0	0	25	71	53	9	0	0	0	158

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	27	42	99	220	468	739	956	913	611	316	92	36	27	69	168	388	856	1595	2551	3464	4075	4391	4483	4519
45	2	14	42	124	320	589	801	758	468	194	46	11	2	16	58	182	502	1091	1892	2650	3118	3312	3358	3369
50	0	0	14	57	194	445	647	603	333	99	14	2	0	0	14	71	265	710	1357	1960	2293	2392	2406	2408
55	0	0	0	19	97	299	492	449	209	38	1	0	0	0	0	19	116	415	907	1356	1565	1603	1604	1604
60	0	0	0	0	38	175	338	297	109	9	0	0	0	0	0	0	38	213	551	848	957	966	966	966
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	24	44	97	176	302	469	606	579	410	252	85	32	24	68	165	341	643	1112	1718	2297	2707	2959	3044	3076

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20

1971-2000

Station: PINEDALE, WY

COOP ID: 487260

Climate Division: WY 3

NWS Call Sign:

Elevation: 7,195 Feet Lat: 42° 53N

Lon: 109° 52W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	25.8	-1	12.9	55	1981	22	24.4	1981	-44	1963	12	4.1	1979	1617	0	.0	.0	.1	23.0	31.0	16.3
Feb	29.9	2.2	16.1	51+	1988	29	23.2	1995	-42+	1982	5	6.4	1993	1370	0	.0	.0	.1	16.4	28.2	12.3
Mar	38.6	12.0	25.3	64	1963	30	33.1	1992	-32	1965	25	17.6	1976	1231	0	.0	.0	2.2	5.4	30.9	4.4
Apr	49.4	21.3	35.4	77	1949	28	40.3	1992	-13	1966	20	28.6	1975	890	0	.0	.0	14.4	.8	28.5	.5
May	60.2	29.0	44.6	85	1949	27	49.2	1994	-2+	1967	15	41.0	1995	632	0	.0	.0	27.3	.0	22.3	.0
Jun	70.2	36.9	53.6	90	1952	14	58.5	1988	18	1984	2	48.5	1998	345	2	.0	.0	29.7	.0	6.8	.0
Jul	77.3	41.7	59.5	94	1955	19	63.0	1975	23	1951	3	52.2	1993	186	14	.0	.0	31.0	.0	1.0	.0
Aug	76.4	38.2	57.3	91+	2001	6	61.6	1983	18	1964	30	54.2+	1993	245	7	.0	.1	31.0	.0	5.2	.0
Sep	66.8	30.4	48.6	89	1950	4	53.5	1998	8	1970	25	44.4	1985	492	0	.0	.0	28.5	@	19.2	.0
Oct	54.9	22.1	38.5	86	1967	9	42.6	1988	-6	1972	31	32.3	1984	822	0	.0	.0	22.6	.6	29.0	.2
Nov	36.7	11.0	23.9	67	1978	3	32.4	1999	-28+	1985	23	15.4	2000	1235	0	.0	.0	4.0	10.3	29.8	5.3
Dec	27.1	1.7	14.4	54+	1995	1	25.7	1980	-49	1990	22	2.9	1990	1569	0	.0	.0	.3	21.2	31.0	14.2
Ann	51.1	20.5	35.8	94	Jul 1955	19	63.0	Jul 1975	-49	Dec 1990	22	2.9	Dec 1990	10634	23	.0	.1	191.2	77.7	262.9	53.2

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20 1971-2000

Station: PINEDALE, WY

COOP ID: 487260

Climate Division: WY 3

NWS Call Sign:

Elevation: 7,195 Feet Lat: 42° 53N

Lon: 109° 52W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount											
		Means/Medians(1)		Extremes						Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution											
Month	Mean	Median	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95	
Jan	.71	.67	.57	1950	18	1.90	1980	.06	1984	8.0	2.6	@	.0	.16	.22	.33	.42	.52	.62	.73	.87	1.04	1.33	1.60	
Feb	.53	.54	.50	1960	25	1.55	1986	.06	1977	7.1	1.7	.0	.0	.10	.15	.23	.30	.37	.45	.54	.65	.79	1.02	1.24	
Mar	.74	.70	.77+	1983	31	1.49	1983	.18	1992	7.7	2.1	.2	.0	.21	.28	.38	.48	.57	.66	.77	.89	1.05	1.30	1.54	
Apr	.92	.81	1.02	1960	28	2.37	1999	.24	1996	7.7	3.0	.2	.0	.23	.32	.45	.57	.69	.81	.95	1.12	1.33	1.67	1.99	
May	1.73	1.49	1.78	1968	23	3.57	1991	.48	2000	11.2	5.5	.5	@	.47	.63	.88	1.10	1.32	1.54	1.79	2.08	2.47	3.07	3.63	
Jun	1.06	.80	1.44	1998	4	3.93	1998	.25	1981	8.7	3.0	.3	.1	.15	.24	.39	.54	.69	.86	1.05	1.29	1.61	2.13	2.63	
Jul	1.15	1.12	1.33	1984	22	2.98	1984	.00	1994	8.2	3.7	.4	@	.10	.23	.42	.58	.76	.94	1.16	1.42	1.76	2.33	2.87	
Aug	1.04	1.00	1.27	1968	9	2.54	1983	.05	1988	8.7	3.3	.2	.0	.24	.33	.49	.62	.76	.91	1.07	1.27	1.52	1.93	2.32	
Sep	1.18	1.02	1.14	1991	7	3.50	1982	.00	1974	7.4	3.5	.6	.1	.12	.26	.46	.63	.81	.99	1.20	1.46	1.80	2.35	2.87	
Oct	.77	.59	1.20	1960	9	2.12	1971	.03	1978	6.4	2.6	.2	.0	.06	.11	.22	.32	.44	.58	.74	.94	1.22	1.69	2.16	
Nov	.76	.76	.64	1985	13	2.06	1983	.02	1974	7.6	2.6	.1	.0	.12	.18	.29	.39	.50	.62	.76	.92	1.14	1.51	1.85	
Dec	.60	.47	.64	1968	25	1.94	1996	.00	1986	8.0	2.1	.1	.0	.03	.09	.18	.27	.36	.46	.59	.74	.94	1.28	1.61	
Ann	11.19	11.05	1.78	May 1968	23	3.93	Jun 1998	.00+	Jul 1994	96.7	35.7	2.8	.2	6.41	7.26	8.39	9.28	10.08	10.87	11.71	12.65	13.81	15.53	17.05	

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: PINEDALE, WY

COOP ID: 487260

Climate Division: WY 3

NWS Call Sign:

Elevation: 7,195 Feet

Lat: 42° 53N

Lon: 109° 52W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	10.3	9.4	9	9	12.0	1972	11	23.1	1980	33	1972	22	21	1972	7.9	4.0	1.1	.5	.1	28.2	23.8	18.8	11.1
Feb	9.8	8.4	10	11	11.0	1996	26	30.6	1976	29	1993	27	23+	1993	7.5	3.6	.8	.3	@	26.6	20.8	17.7	9.9
Mar	9.1	8.3	8	6	13.0	1977	25	24.3	1996	28	1972	3	19	1973	6.3	3.1	.9	.4	.1	19.3	13.7	10.8	3.8
Apr	5.6	4.7	1	#	8.0	1971	21	14.5	1983	21	1973	1	5	1973	4.0	2.3	.7	.2	.0	4.2	1.9	1.0	.1
May	3.0	1.2	#	0	12.0	1983	11	22.5	1983	12	1983	11	4	1978	1.7	1.0	.3	.1	@	.5	.2	@	@
Jun	.5	.0	#	0	4.5	1998	4	7.5	1998	3	1998	4	#	1998	.3	.2	.1	.0	.0	@	@	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	1.0	.0	#	0	8.0	1973	2	8.0	1973	4	1978	18	#+	1985	.4	.2	.1	@	.0	.1	@	.0	.0
Oct	3.6	2.7	#	#	6.0	1975	8	13.0	1975	6	1994	4	1	1991	2.1	1.2	.5	.2	.0	1.4	.6	.1	.0
Nov	9.1	8.7	2	1	9.0	1985	13	30.2	1985	17	1985	30	8	1985	7.1	3.8	.9	.3	.0	13.2	5.9	3.0	.6
Dec	9.2	7.2	5	4	10.0	1973	28	29.8	1996	23	1985	5	17	1985	8.1	4.2	.7	.1	.1	24.9	14.4	9.9	4.9
Ann	61.2	50.6	N/A	N/A	13.0	Mar 1977	25	30.6	Feb 1976	33	Jan 1972	22	23+	Feb 1993	45.4	23.6	6.1	2.1	.3	118.4	81.3	61.3	30.4

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States No. 20 1971-2000

Station: PINEDALE, WY

COOP ID: 487260

Climate Division: WY 3

NWS Call Sign:

Elevation: 7,195 Feet

Lat: 42° 53N

Lon: 109° 52W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/03	7/29	7/25	7/21	7/18	7/15	7/11	7/07	7/02
32	7/21	7/15	7/11	7/08	7/05	7/02	6/28	6/25	6/19
28	6/30	6/24	6/20	6/16	6/13	6/09	6/05	6/01	5/26
24	6/15	6/09	6/04	5/31	5/27	5/23	5/19	5/14	5/08
20	6/01	5/25	5/21	5/17	5/13	5/10	5/06	5/01	4/25
16	5/15	5/10	5/06	5/03	4/29	4/26	4/23	4/19	4/13
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	7/29	7/31	8/03	8/05	8/07	8/09	8/11	8/14	8/17
32	8/02	8/07	8/12	8/15	8/18	8/22	8/25	8/29	9/04
28	8/12	8/17	8/21	8/25	8/28	8/31	9/04	9/08	9/13
24	8/25	8/31	9/04	9/07	9/10	9/13	9/17	9/21	9/26
20	9/02	9/08	9/11	9/15	9/18	9/21	9/24	9/28	10/04
16	9/14	9/19	9/23	9/26	9/29	10/02	10/06	10/10	10/15
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	42	34	28	24	19	15	10	5	0
32	70	61	54	49	44	38	33	26	17
28	99	91	85	80	76	71	66	60	52
24	132	123	116	111	106	100	95	88	79
20	154	145	138	132	127	122	116	109	99
16	175	167	161	157	152	148	143	138	130

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: PINEDALE, WY

COOP ID: 487260

Climate Division: WY 3

NWS Call Sign:

Elevation: 7,195 Feet Lat: 42° 53N

Lon: 109° 52W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1617	1370	1231	890	632	345	186	245	492	822	1235	1569	10634
60	1462	1230	1076	740	477	207	82	122	345	667	1085	1414	8907
57	1369	1146	983	650	385	138	40	69	262	574	995	1321	7932
55	1307	1090	921	590	324	100	21	43	211	512	935	1259	7313
50	1152	950	766	442	186	33	3	9	105	358	785	1104	5893
32	596	452	252	61	2	0	0	0	0	19	281	561	2224

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	2	7	44	161	392	647	851	785	498	220	36	15	3658
55	0	0	0	0	2	57	160	115	19	0	0	0	353
57	0	0	0	0	1	36	116	79	10	0	0	0	242
60	0	0	0	0	0	15	65	38	3	0	0	0	121
65	0	0	0	0	0	2	14	7	0	0	0	0	23
70	0	0	0	0	0	0	0	0	0	0	0	0	0

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	0	41	187	421	618	547	289	73	1	0	0	0	0	41	228	649	1267	1814	2103	2176	2177	2177
45	0	0	0	12	81	280	463	392	160	18	0	0	0	0	0	12	93	373	836	1228	1388	1406	1406	1406
50	0	0	0	0	19	152	310	242	62	1	0	0	0	0	0	0	19	171	481	723	785	786	786	786
55	0	0	0	0	0	55	162	100	16	0	0	0	0	0	0	0	0	55	217	317	333	333	333	333
60	0	0	0	0	0	11	50	23	0	0	0	0	0	0	0	0	0	11	61	84	84	84	84	84
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	2	59	185	320	440	419	271	124	12	0	0	0	2	61	246	566	1006	1425	1696	1820	1832	1832

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20

1971-2000

Station: POWDER RIVER NO 2, WY

COOP ID: 487376

Climate Division: WY 5

NWS Call Sign:

Elevation: 5,700 Feet Lat: 43°02N

Lon: 106°59W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	32.6	8.3	20.5	60+	1981	24	32.3	1981	-42	1979	1	-.7	1979	1380	0	.0	.0	1.6	12.9	30.7	7.8
Feb	38.5	14.2	26.4	65	1982	22	35.0	1992	-31+	1989	3	11.7	1989	1083	0	.0	.0	3.8	7.6	27.4	4.8
Mar	48.7	21.8	35.3	73+	1986	30	42.2	1986	-18	1996	25	27.9	1996	923	0	.0	.0	14.0	2.7	27.2	.8
Apr	58.3	28.3	43.3	82+	1992	30	49.8	1981	-8	1975	2	33.3	1999	651	0	.0	.0	22.3	.9	20.3	.1
May	68.4	36.9	52.7	96	1969	27	57.9	1994	12	1967	1	46.3	1995	388	5	.0	@	28.8	.1	8.8	.0
Jun	79.9	45.1	62.5	101	1980	27	70.4	1988	24	1969	13	56.7	1975	144	69	.1	3.9	29.9	.0	.8	.0
Jul	88.8	51.2	70.0	109	1981	6	74.2	1980	30	1972	4	62.9	1993	35	189	.5	13.7	31.0	.0	.1	.0
Aug	87.0	49.7	68.4	104	1981	19	73.1	1983	26	1976	27	62.9	1987	47	151	.3	10.9	31.0	.0	.3	.0
Sep	73.9	39.8	56.9	99+	1976	6	62.0	1990	10	1984	25	48.6	1985	271	27	.0	2.1	29.0	.1	5.3	.0
Oct	59.9	30.8	45.4	86+	1992	2	49.6	1988	-5	1983	30	40.6	2000	609	0	.0	.0	24.8	.7	18.6	.2
Nov	41.9	18.1	30.0	77	1965	1	41.7	1999	-30	1985	24	14.6	2000	1050	0	.0	.0	9.7	6.3	27.4	2.4
Dec	34.0	9.3	21.7	63	1965	4	34.4	1980	-45	1990	21	8.2	1983	1344	0	.0	.0	3.1	11.8	30.0	6.7
Ann	59.3	29.5	44.4	109	Jul 1981	6	74.2	Jul 1980	-45	Dec 1990	21	-.7	Jan 1979	7925	441	.9	30.6	229.0	43.1	196.9	22.8

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1964-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20 1971-2000

Station: POWDER RIVER NO 2, WY

COOP ID: 487376

Climate Division: WY 5

NWS Call Sign:

Elevation: 5,700 Feet Lat: 43°02N

Lon: 106°59W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
		Means/Medians(1)		Extremes						Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Median	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	.41	.36	.85	1987	6	1.16	1978	.05	1971	4.6	1.7	.1	.0	.06	.09	.15	.21	.27	.33	.40	.49	.62	.82	1.01
Feb	.44	.38	.94	1975	15	1.53	1987	.00	1992	3.8	1.4	.2	.0	.03	.08	.15	.21	.28	.35	.44	.55	.69	.92	1.15
Mar	.91	.81	1.19	1981	28	3.15	1981	.00+	1996	6.0	2.9	.3	@	.00	.10	.27	.41	.56	.72	.91	1.13	1.43	1.93	2.40
Apr	1.26	1.07	1.18	1966	18	5.12	1974	.00+	1998	6.5	3.5	.4	.1	.00	.00	.34	.56	.77	1.01	1.27	1.60	2.02	2.72	3.39
May	2.28	2.34	1.79	1978	18	6.72	1978	.14	1998	8.7	5.1	.9	.3	.28	.47	.79	1.11	1.44	1.82	2.25	2.79	3.52	4.71	5.87
Jun	1.46	1.10	2.18+	1993	3	5.91	1993	.00	2000	5.5	3.0	.8	.2	.06	.18	.39	.61	.84	1.10	1.41	1.79	2.33	3.21	4.08
Jul	1.25	1.02	2.18	1979	23	3.30	1973	.00+	2000	4.1	2.5	.9	.2	.00	.14	.36	.56	.77	.99	1.25	1.56	1.98	2.67	3.34
Aug	.67	.72	.92	1974	10	1.86	1992	.00+	2000	4.1	2.1	.3	.0	.00	.00	.07	.21	.35	.49	.66	.86	1.14	1.58	2.04
Sep	.84	.67	1.50	1985	28	2.74	1985	.00+	1983	3.7	2.3	.5	.1	.00	.03	.13	.24	.38	.54	.75	1.01	1.38	2.03	2.67
Oct	.87	.75	1.28+	1998	27	2.95	1998	.03	1988	4.1	2.4	.4	.1	.09	.15	.27	.39	.52	.67	.84	1.06	1.36	1.86	2.34
Nov	.58	.48	1.10	1996	16	1.86	1994	.00+	1998	3.9	1.8	.2	@	.00	.00	.18	.28	.38	.48	.60	.74	.92	1.21	1.50
Dec	.49	.38	.95	1974	18	1.76	1974	.00+	2000	3.8	1.7	.1	.0	.00	.00	.11	.19	.28	.37	.48	.62	.79	1.09	1.38
Ann	11.46+	11.25+	2.18+	Jun 1993	3	6.72	May 1978	.00+	Dec 2000	58.8	30.4	5.1	1.0	6.17	7.09	8.32	9.29	10.18	11.07	12.00	13.05	14.36	16.32	18.05

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1964-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: POWDER RIVER NO 2, WY

COOP ID: 487376

Climate Division: WY 5

NWS Call Sign:

Elevation: 5,700 Feet

Lat: 43°02N

Lon: 106°59W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	8.4	8.0	2	1	14.0	2000	27	17.3	1979	19	1979	6	15	1979	3.1	2.6	1.1	.3	.1	12.1	5.3	1.8	.7
Feb	5.9	5.0	2	1	11.0	1979	22	14.0	1979	13+	1995	16	7	1979	2.3	1.9	.7	.4	.1	8.1	3.8	2.0	.2
Mar	9.3	8.6	1	#	7.3	1977	28	27.8	1977	8	1977	30	3	1977	3.6	3.1	1.2	.3	.0	6.1	2.7	1.1	.0
Apr	6.4	4.5	1	#	8.0	1991	12	22.0	1972	13+	1999	2	2	1999	2.8	2.4	1.1	.3	.0	3.0	1.3	.6	.1
May	1.4	.0	#	0	6.0	1979	3	15.0	1979	11	1980	12	1	1980	.5	.5	.1	@	.0	.4	.1	.1	.0
Jun	.0	.0	#	0	1.0	1979	8	1.0	1979	#	1995	8	#	1995	@	@	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.8	.0	#	0	7.0	2000	23	10.0	2000	7	2000	23	#+	2000	.2	.2	.1	.1	.0	.1	.1	@	.0
Oct	5.5	4.9	1	#	13.0	1995	22	16.0	1994	15	1998	17	8	1998	1.6	1.4	.8	.4	.1	1.4	1.1	.8	.3
Nov	6.5	7.0	1	1	8.0	1987	15	12.7	1993	18	1996	16	5	1978	2.8	2.4	.9	.3	.0	8.2	4.2	1.2	.2
Dec	5.7	3.1	2	1	5.5	1974	18	24.5	1978	18	1978	29	9	1978	2.5	2.1	.7	.1	.0	8.4	2.9	.0	.0
Ann	49.9	41.1	N/A	N/A	14.0	Jan 2000	27	27.8	Mar 1977	19	Jan 1979	6	15	Jan 1979	19.4	16.6	6.7	2.2	.3	47.8	21.5	7.6	1.5

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: POWDER RIVER NO 2, WY

COOP ID: 487376

Climate Division: WY 5

NWS Call Sign:

Elevation: 5,700 Feet

Lat: 43° 02N

Lon: 106° 59W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	7/04	6/27	6/22	6/18	6/14	6/10	6/06	6/01	5/25
32	6/18	6/12	6/07	6/03	5/30	5/26	5/22	5/17	5/11
28	5/28	5/23	5/20	5/17	5/15	5/12	5/10	5/06	5/02
24	5/16	5/10	5/07	5/03	4/30	4/27	4/24	4/20	4/15
20	5/05	4/29	4/25	4/21	4/17	4/14	4/10	4/06	3/31
16	4/30	4/22	4/17	4/12	4/08	4/03	3/29	3/24	3/16
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/19	8/24	8/28	9/01	9/04	9/07	9/10	9/15	9/20
32	8/29	9/03	9/07	9/10	9/13	9/16	9/19	9/23	9/28
28	9/05	9/10	9/14	9/17	9/20	9/23	9/27	9/30	10/06
24	9/14	9/20	9/24	9/28	10/02	10/05	10/09	10/14	10/20
20	9/29	10/05	10/09	10/13	10/16	10/20	10/23	10/28	11/03
16	10/06	10/13	10/17	10/21	10/25	10/28	11/01	11/06	11/12
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	111	101	94	87	81	75	69	61	51
32	134	124	117	111	106	100	94	87	78
28	151	143	137	132	128	123	118	113	105
24	178	170	164	158	154	149	143	137	129
20	209	200	193	187	181	176	170	163	153
16	232	221	213	206	199	193	186	178	167

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: POWDER RIVER NO 2, WY

COOP ID: 487376

Climate Division: WY 5

NWS Call Sign:

Elevation: 5,700 Feet Lat: 43°02N

Lon: 106°59W

Degree Days to Selected Base Temperatures (°F)

Base	Heating Degree Days (1)												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
Below													
65	1380	1083	923	651	388	144	35	47	271	609	1050	1344	7925
60	1225	943	768	509	253	68	10	14	163	455	900	1189	6497
57	1132	859	675	427	184	38	3	5	111	365	810	1096	5705
55	1070	803	613	374	144	24	1	3	83	307	752	1034	5208
50	915	663	465	256	70	6	0	0	33	180	614	882	4084
32	415	237	81	25	0	0	0	0	0	7	209	393	1367

Cooling Degree Days (1)

Base	Cooling Degree Days (1)												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
Above													
32	58	78	181	364	640	915	1178	1127	745	420	149	72	5927
55	0	0	1	22	71	249	466	416	138	7	2	0	1372
57	0	0	0	15	48	203	406	357	107	3	0	0	1139
60	0	0	0	8	24	143	319	273	68	1	0	0	836
65	0	0	0	0	5	69	189	151	27	0	0	0	441
70	0	0	0	0	0	25	96	66	8	0	0	0	195

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	7	50	162	371	663	916	871	537	230	39	3	0	7	57	219	590	1253	2169	3040	3577	3807	3846	3849
45	0	0	14	82	236	513	761	716	396	128	11	0	0	0	14	96	332	845	1606	2322	2718	2846	2857	2857
50	0	0	0	35	129	368	606	562	264	53	1	0	0	0	0	35	164	532	1138	1700	1964	2017	2018	2018
55	0	0	0	10	56	231	452	408	158	16	0	0	0	0	0	10	66	297	749	1157	1315	1331	1331	1331
60	0	0	0	0	15	122	300	261	74	1	0	0	0	0	0	0	15	137	437	698	772	773	773	773
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	5	52	137	267	437	575	563	378	192	39	2	0	5	57	194	461	898	1473	2036	2414	2606	2645	2647

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20

1971-2000

Station: RAWLINS AP, WY

COOP ID: 487533

Climate Division: WY10

NWS Call Sign: RWL

Elevation: 6,736 Feet Lat: 41° 48N

Lon: 107° 12W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	33.4	12.5	23.0	56+	1981	23	30.2	1981	-36+	1973	4	10.6	1979	1304	0	.0	.0	.3	16.3	30.3	5.1
Feb	37.1	15.1	26.1	58	1962	11	33.2	2000	-36	1989	6	15.4	1989	1090	0	.0	.0	1.2	10.9	27.3	3.7
Mar	45.5	22.1	33.8	68+	1986	30	41.5	1986	-23	1998	8	28.9	1977	967	0	.0	.0	8.5	4.8	27.7	.7
Apr	55.1	28.0	41.6	77+	2000	28	48.0	1992	-11	1970	1	34.4	1973	703	0	.0	.0	18.8	1.3	20.9	.2
May	65.7	36.1	50.9	86	1954	20	55.7	2000	13	1990	9	44.4	1995	438	1	.0	.0	28.0	.0	8.4	.0
Jun	77.9	44.6	61.3	97	1954	23	68.1	1988	21	1951	3	55.8	1998	164	51	.0	.7	29.9	.0	1.0	.0
Jul	85.3	50.5	67.9	98+	1954	12	71.1	1988	32	1993	7	61.8	1993	34	124	.0	3.7	31.0	.0	@	.0
Aug	83.8	49.2	66.5	98	2000	2	71.0	2000	28	1962	31	62.8	1993	49	94	.0	1.8	31.0	.0	.0	.0
Sep	73.3	40.5	56.9	95	1998	4	63.1	1998	8	1985	30	52.6	1971	256	12	.0	.3	28.8	.1	5.0	.0
Oct	59.8	31.1	45.5	81+	1997	1	51.6	1988	-7	1972	31	38.5	1984	606	0	.0	.0	23.9	.8	16.3	.1
Nov	42.9	20.1	31.5	70+	1999	14	42.3	1999	-23	1991	2	21.2	2000	1005	0	.0	.0	7.3	8.2	26.0	1.6
Dec	34.6	13.5	24.1	57	1962	17	34.8	1980	-35+	1990	21	15.1	1978	1269	0	.0	.0	.9	15.4	29.5	4.4
Ann	57.9	30.3	44.1	98+	Aug 2000	2	71.1	Jul 1988	-36+	Feb 1989	6	10.6	Jan 1979	7885	282	.0	6.5	209.6	57.8	192.4	15.8

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1951-2000

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20 1971-2000

Station: RAWLINS AP, WY

COOP ID: 487533

Climate Division: WY10

NWS Call Sign: RWL

Elevation: 6,736 Feet Lat: 41° 48N

Lon: 107° 12W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1)											
														Probability that the monthly/annual precipitation will be equal to or less than the indicated amount											
Means/ Medians(1)		Extremes								Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels											
														These values were determined from the incomplete gamma distribution											
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95	
Jan	.56	.49	.71	1980	29	1.90	1980	.09	1986	7.6	1.8	.1	.0	.13	.18	.26	.33	.40	.48	.57	.67	.81	1.03	1.24	
Feb	.52	.46	.60	2000	17	1.61	2000	.08	1996	6.4	1.7	.2	.0	.09	.13	.21	.28	.35	.43	.52	.63	.78	1.02	1.24	
Mar	.65	.55	1.08	1963	3	2.09	1998	.22+	1999	7.3	2.2	.1	.0	.18	.24	.34	.42	.50	.58	.67	.78	.92	1.15	1.35	
Apr	1.06	1.11	1.15+	2000	15	2.49	1973	.08	1989	8.9	3.5	.4	.1	.22	.32	.47	.61	.76	.91	1.08	1.29	1.57	2.00	2.42	
May	1.49	1.16	1.66	2000	17	4.12	1995	.03	1974	9.2	4.2	.6	.2	.19	.30	.51	.72	.94	1.18	1.47	1.82	2.29	3.07	3.83	
Jun	.93	.95	1.04	1972	4	2.40	1998	.00	1981	5.3	2.5	.7	@	.02	.09	.21	.34	.49	.67	.87	1.14	1.51	2.13	2.74	
Jul	.90	.90	1.60	1974	20	2.56	1981	.09	1994	6.7	2.6	.3	.1	.09	.15	.27	.40	.53	.68	.87	1.09	1.40	1.92	2.43	
Aug	.81	.69	1.27	1977	18	2.08	1977	.09	1973	6.2	2.3	.3	@	.13	.20	.32	.43	.55	.67	.81	.99	1.22	1.60	1.96	
Sep	.82	.72	2.06	1965	16	2.48	1982	.12	1977	6.1	2.5	.3	.0	.18	.25	.37	.48	.59	.71	.84	1.00	1.21	1.54	1.85	
Oct	.86	.51	1.44	1980	15	3.14	1971	.02	1988	6.2	2.8	.4	.1	.04	.09	.19	.30	.44	.59	.79	1.04	1.39	2.00	2.61	
Nov	.65	.62	.66	1979	20	2.04	1983	.03	1976	6.9	2.6	.1	.0	.10	.16	.25	.34	.44	.54	.65	.80	.99	1.30	1.60	
Dec	.49	.45	.59	1958	12	1.34	1978	.03	1998	7.2	1.4	@	.0	.07	.11	.18	.25	.32	.40	.49	.60	.75	1.00	1.24	
Ann	9.74	10.09	2.06	Sep 1965	16	4.12	May 1995	.00	Jun 1981	84.0	30.1	3.5	.5	6.87	7.43	8.14	8.68	9.16	9.63	10.11	10.64	11.28	12.22	13.03	

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1951-2000

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: RAWLINS AP, WY

COOP ID: 487533

Climate Division: WY10

NWS Call Sign: RWL

Elevation: 6,736 Feet

Lat: 41° 48N

Lon: 107° 12W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	9.0	9.3	3	2	19.0	1980	29	20.1	1975	28	1980	30	8+	1993	7.8	3.2	.8	.3	@	20.8	11.9	7.1	1.4
Feb	7.7	7.0	2	1	16.0	2000	17	24.1	1989	24	1980	1	8	1980	5.8	3.0	.6	.2	@	16.5	8.6	4.3	1.3
Mar	8.3	6.7	1	1	7.0	1987	20	15.6	1980	10+	1998	9	3	1998	7.7	3.0	.4	.1	.0	8.3	2.5	1.1	.1
Apr	7.3	6.0	#	1	10.1	1973	19	31.6	1973	10	1973	21	2	1973	5.3	2.4	.5	.2	@	4.2	1.0	.5	@
May	1.6	.1	#	0	6.0	1978	17	10.2	1978	5	1978	18	#	2000	1.2	.6	.1	@	.0	.6	.2	@	.0
Jun	.3	.0	#	0	4.0	1974	8	4.0	1974	1	1976	14	#	2000	.1	.1	.1	.0	.0	@	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.8	.0	#	0	7.2	2000	22	7.2	2000	9	2000	22	1	2000	.6	.2	.2	.1	.0	.2	.1	@	.0
Oct	4.2	2.2	#	0	16.0	1971	28	31.8	1971	21+	1971	31	2	1971	2.2	1.2	.3	.2	.1	1.6	.7	.4	.2
Nov	9.7	8.3	1	1	10.8	1979	20	35.6	1983	16	1983	29	5	1979	6.0	3.2	.8	.3	@	11.2	4.6	1.8	.6
Dec	8.4	5.7	2	1	11.5	1987	23	22.2	1978	15	1983	5	8	1983	7.8	3.2	.5	.2	@	17.4	7.9	3.4	.5
Ann	57.3	45.3	N/A	N/A	19.0	Jan 1980	29	35.6	Nov 1983	28	Jan 1980	30	8+	Jan 1993	44.5	20.1	4.3	1.6	.1	80.8	37.5	18.6	4.1

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: RAWLINS AP, WY

COOP ID: 487533

Climate Division: WY10

NWS Call Sign: RWL

Elevation: 6,736 Feet

Lat: 41° 48N

Lon: 107° 12W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/30	6/24	6/21	6/17	6/14	6/11	6/08	6/04	5/30
32	6/21	6/14	6/09	6/05	6/01	5/28	5/23	5/18	5/11
28	6/07	5/31	5/26	5/22	5/18	5/14	5/10	5/05	4/28
24	5/13	5/08	5/04	5/01	4/28	4/25	4/22	4/19	4/14
20	5/04	4/29	4/25	4/23	4/20	4/17	4/14	4/11	4/06
16	4/27	4/21	4/16	4/12	4/08	4/04	3/31	3/26	3/19
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/25	8/30	9/03	9/05	9/08	9/11	9/14	9/17	9/22
32	9/10	9/13	9/15	9/16	9/18	9/19	9/21	9/22	9/25
28	9/12	9/16	9/19	9/21	9/23	9/26	9/28	10/01	10/05
24	9/16	9/22	9/26	9/29	10/03	10/06	10/10	10/14	10/20
20	9/25	10/02	10/07	10/11	10/16	10/20	10/24	10/29	11/06
16	10/06	10/13	10/17	10/21	10/25	10/29	11/02	11/07	11/13
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	105	98	93	89	85	81	77	72	65
32	131	123	118	113	108	104	99	93	85
28	153	144	138	133	128	123	118	112	103
24	183	174	168	162	157	152	146	139	130
20	205	196	189	183	178	173	167	160	151
16	232	221	213	206	200	193	186	179	167

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: RAWLINS AP, WY

COOP ID: 487533

Climate Division: WY10

NWS Call Sign: RWL

Elevation: 6,736 Feet Lat: 41° 48N

Lon: 107° 12W

Degree Days to Selected Base Temperatures (°F)

Base	Heating Degree Days (1)												
	Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
65	1304	1090	967	703	438	164	34	49	256	606	1005	1269	7885
60	1149	950	812	554	293	80	6	10	141	452	855	1114	6416
57	1056	866	719	469	214	46	2	3	88	362	765	1021	5611
55	994	810	657	413	168	30	0	1	61	304	705	959	5102
50	839	670	505	283	80	8	0	0	18	179	559	804	3945
32	323	214	86	25	0	0	0	0	0	5	145	288	1086

Cooling Degree Days (1)

Base	Cooling Degree Days (1)												
	Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
32	43	48	142	313	586	877	1113	1069	746	422	130	42	5531
55	0	0	0	10	41	217	401	357	117	8	0	0	1151
57	0	0	0	6	25	173	340	297	84	4	0	0	929
60	0	0	0	1	11	118	251	211	47	1	0	0	640
65	0	0	0	0	1	51	124	94	12	0	0	0	282
70	0	0	0	0	0	15	42	26	2	0	0	0	85

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	30	121	331	621	851	808	494	201	31	2	0	0	30	151	482	1103	1954	2762	3256	3457	3488	3490
45	0	0	3	54	199	475	696	653	352	102	5	0	0	0	3	57	256	731	1427	2080	2432	2534	2539	2539
50	0	0	0	18	100	330	541	498	226	38	0	0	0	0	0	18	118	448	989	1487	1713	1751	1751	1751
55	0	0	0	1	36	203	387	343	121	9	0	0	0	0	0	1	37	240	627	970	1091	1100	1100	1100
60	0	0	0	0	3	98	237	194	43	0	0	0	0	0	0	0	3	101	338	532	575	575	575	575
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	26	103	224	405	550	519	326	148	20	0	0	0	26	129	353	758	1308	1827	2153	2301	2321	2321

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20

1971-2000

Station: RECLUSE 11 NNW, WY

COOP ID: 487548

Climate Division: WY 5

NWS Call Sign:

Elevation: 3,750 Feet Lat: 44° 55N

Lon: 105° 44W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	30.1	-2.6	13.8	72	1981	23	27.0	1981	-43	1982	16	-3.7	1979	1590	0	.0	.0	1.8	13.3	31.0	12.7
Feb	37.6	4.6	21.1	69	1992	29	30.8	1992	-44	1971	7	6.7	1993	1229	0	.0	.0	5.9	7.5	28.1	6.8
Mar	46.5	15.8	31.2	78+	1978	30	38.9	1986	-36	1978	3	22.8	1996	1049	0	.0	.0	14.7	3.3	29.6	2.0
Apr	56.8	26.6	41.7	88	1980	21	48.0	1987	0	1983	14	34.8	1983	699	0	.0	.0	22.7	.9	20.7	.1
May	66.4	36.5	51.5	97	1969	27	56.6	1988	11	1967	4	42.4	1983	426	6	.0	.4	29.3	@	7.3	.0
Jun	77.7	46.3	62.0	106	1988	20	73.8	1988	23	1984	1	55.8	1982	162	72	.4	3.5	29.9	.0	1.1	.0
Jul	86.5	50.6	68.6	109	1981	6	73.5	1988	30	1983	3	60.2	1993	57	169	2.0	13.0	31.0	.0	.1	.0
Aug	86.0	48.4	67.2	106	1979	5	72.7	1983	23	1980	4	62.5	1993	64	132	1.2	12.9	31.0	.0	.2	.0
Sep	74.0	36.2	55.1	104	1978	5	62.5	1998	6	1984	25	49.4	1984	314	17	.2	2.9	28.9	@	7.2	.0
Oct	60.4	25.2	42.8	90+	1992	1	47.0	1979	-26	1991	30	36.0	1982	688	0	.0	.1	25.6	.5	23.5	.1
Nov	42.5	11.3	26.9	76	1975	4	38.0	1999	-34	1985	23	11.9	1985	1143	0	.0	.0	10.2	5.6	29.3	3.5
Dec	31.6	.3	16.0	69	1973	1	24.3	1991	-51	1983	24	-2.4	1983	1520	0	.0	.0	2.9	11.7	31.0	9.7
Ann	58.0	24.9	41.5	109	Jul 1981	6	73.8	Jun 1988	-51	Dec 1983	24	-3.7	Jan 1979	8941	396	3.8	32.8	233.9	42.8	209.1	34.9

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1966-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: RECLUSE 11 NNW, WY

COOP ID: 487548

Climate Division: WY 5

NWS Call Sign:

Elevation: 3,750 Feet Lat: 44° 55N

Lon: 105° 44W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
		Means/Medians(1)		Extremes						Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Median	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	.42	.36	.54	1971	30	1.80	1971	.05	1981	6.4	1.5	@	.0	.06	.10	.16	.22	.28	.35	.42	.52	.64	.85	1.05
Feb	.32	.26	.52	1977	22	1.02	1971	.01	1973	4.4	1.2	@	.0	.03	.06	.10	.14	.19	.25	.31	.39	.50	.67	.85
Mar	.77	.67	.76	1983	6	1.71	1977	.08	1979	6.8	2.3	.3	.0	.16	.23	.35	.45	.55	.66	.79	.93	1.13	1.44	1.74
Apr	1.60	1.36	1.94	1990	26	3.87	1990	.08	1981	8.8	3.8	.6	.2	.29	.43	.67	.88	1.11	1.35	1.62	1.95	2.39	3.09	3.77
May	2.71	2.32	2.48	1978	18	10.03	1978	.94	1973	10.2	5.5	1.9	.4	.82	1.08	1.46	1.79	2.11	2.45	2.82	3.25	3.81	4.68	5.49
Jun	2.47	2.19	1.99	1984	9	6.51	1976	.43	1988	9.4	5.4	1.3	.5	.57	.80	1.16	1.49	1.81	2.15	2.54	3.00	3.60	4.56	5.46
Jul	1.67	1.35	1.99	1969	16	4.21	1987	.20	1991	7.9	4.1	.6	.2	.35	.51	.75	.97	1.20	1.44	1.71	2.03	2.45	3.13	3.78
Aug	1.16	.89	1.95	1986	31	3.30	1980	.19	2000	6.2	3.0	.3	.1	.25	.36	.53	.69	.84	1.00	1.19	1.41	1.70	2.16	2.60
Sep	1.26	.95	1.18	1977	30	4.02	1986	.00	1989	5.2	3.1	.8	.2	.09	.22	.42	.61	.80	1.01	1.25	1.55	1.95	2.60	3.23
Oct	1.29	1.02	1.99	1971	2	4.82	1971	.05	1978	5.7	2.9	.7	.2	.13	.22	.40	.58	.77	.99	1.25	1.57	2.01	2.74	3.45
Nov	.65	.58	.90	1973	19	1.28	1973	.02	1981	6.0	2.1	.2	.0	.12	.17	.27	.36	.45	.54	.66	.79	.97	1.26	1.53
Dec	.43	.43	.56	1967	27	1.11	1989	.00+	1991	5.5	1.7	@	.0	.00	.07	.16	.23	.29	.37	.45	.54	.67	.87	1.07
Ann	14.75	14.67	2.48	May 1978	18	10.03	May 1978	.00+	Dec 1991	82.5	36.6	6.7	1.8	9.82	10.75	11.95	12.87	13.70	14.50	15.33	16.26	17.39	19.04	20.48

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1966-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: RECLUSE 11 NNW, WY

COOP ID: 487548

Climate Division: WY 5

NWS Call Sign:

Elevation: 3,750 Feet

Lat: 44° 55N

Lon: 105° 44W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	7.7	6.5	6	5	7.0	1971	30	21.8	1971	22	1977	18	17	1977	4.3	2.4	.7	.2	.0	23.8	19.7	15.5	6.1
Feb	3.3	2.0	5	2	4.0	1978	11	14.0	1978	24	1971	8	19	1978	2.9	1.5	.1	.0	.0	-9.9	-9.9	-9.9	-9.9
Mar	6.8	5.0	2	1	15.5	1977	29	23.0	1977	22	1978	6	12	1978	3.0	2.2	.4	.2	.1	7.1	4.3	3.1	1.0
Apr	2.0	.0	#	#	18.0	1984	26	18.0	1984	25	1984	27	3	1984	.9	.8	.3	.2	.1	.9	.7	.6	.1
May	.7	.0	#	0	12.0	1986	9	14.0	1986	6	1983	11	#+	1986	.1	.1	@	@	@	.1	.1	.1	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	#	0	.0	0	0	.0	0	#	1996	6	#	1996	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.5	.0	#	0	6.0	1984	23	9.0	1984	5	1984	24	#	1984	.1	.1	.1	@	.0	.1	.1	.1	.0
Oct	1.8	.0	#	#	10.0	1989	29	10.0	1989	6+	1991	29	1	1991	.6	.5	.1	.1	@	.7	.3	.1	.0
Nov	6.0	5.5	1	1	6.0	1971	16	15.5	1976	10	1976	30	5	1978	1.8	1.4	.5	.2	.0	3.5	1.7	.6	.2
Dec	6.7	6.0	4	2	5.0	1971	6	16.6	1972	12	1977	8	10	1978	3.7	2.5	.7	.2	.0	17.7	11.0	6.6	.7
Ann	35.5	25.0	N/A	N/A	18.0	Apr 1984	26	23.0	Mar 1977	25	Apr 1984	27	19	Feb 1978	17.4	11.5	2.9	1.1	.2	-9.9	-9.9	-9.9	-9.9

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: RECLUSE 11 NNW, WY

COOP ID: 487548

Climate Division: WY 5

NWS Call Sign:

Elevation: 3,750 Feet

Lat: 44° 55N

Lon: 105° 44W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	7/10	7/03	6/28	6/24	6/21	6/17	6/13	6/08	6/01
32	6/24	6/16	6/11	6/07	6/03	5/30	5/26	5/20	5/13
28	6/06	5/31	5/26	5/22	5/19	5/15	5/11	5/07	5/01
24	5/18	5/13	5/09	5/06	5/04	5/01	4/28	4/25	4/20
20	5/12	5/05	5/01	4/27	4/23	4/19	4/15	4/10	4/04
16	4/29	4/22	4/17	4/13	4/09	4/04	3/31	3/26	3/19
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/11	8/17	8/21	8/25	8/28	9/01	9/05	9/09	9/15
32	8/28	9/02	9/06	9/09	9/12	9/15	9/18	9/21	9/26
28	9/03	9/08	9/12	9/15	9/18	9/21	9/24	9/28	10/03
24	9/06	9/13	9/17	9/21	9/25	9/29	10/03	10/08	10/14
20	9/17	9/23	9/28	10/02	10/05	10/08	10/12	10/16	10/22
16	10/02	10/08	10/13	10/17	10/20	10/24	10/28	11/01	11/08
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	95	86	79	73	68	63	57	50	41
32	125	117	110	105	100	95	90	83	75
28	145	137	131	126	122	117	112	106	98
24	169	161	154	149	144	139	133	127	118
20	194	184	177	170	164	159	152	145	135
16	221	212	205	199	194	189	183	176	167

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: RECLUSE 11 NNW, WY

COOP ID: 487548

Climate Division: WY 5

NWS Call Sign:

Elevation: 3,750 Feet Lat: 44° 55N

Lon: 105° 44W

Degree Days to Selected Base Temperatures (°F)

Base	Heating Degree Days (1)												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
Below													
65	1590	1229	1049	699	426	162	57	64	314	688	1143	1520	8941
60	1435	1089	894	550	289	84	19	21	196	533	993	1365	7468
57	1342	1005	801	463	217	51	9	9	138	441	903	1272	6651
55	1280	949	739	406	175	34	4	4	105	380	843	1210	6129
50	1125	814	585	275	91	11	0	1	45	240	699	1055	4941
32	599	374	144	18	0	0	0	0	0	11	258	544	1948

Cooling Degree Days (1)

Base	Cooling Degree Days (1)												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
Above													
32	32	69	117	309	604	900	1134	1091	693	346	105	47	5447
55	0	0	0	7	65	244	426	383	108	2	0	0	1235
57	0	0	0	4	45	201	368	325	81	1	0	0	1025
60	0	0	0	1	24	144	285	244	50	0	0	0	748
65	0	0	0	0	6	72	169	132	17	0	0	0	396
70	0	0	0	0	1	28	85	57	5	0	0	0	176

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	6	41	167	404	652	911	867	518	194	24	0	0	6	47	214	618	1270	2181	3048	3566	3760	3784	3784
45	0	0	7	87	265	502	756	713	379	101	4	0	0	0	7	94	359	861	1617	2330	2709	2810	2814	2814
50	0	0	0	32	148	357	601	559	248	36	0	0	0	0	0	32	180	537	1138	1697	1945	1981	1981	1981
55	0	0	0	10	69	225	448	406	142	10	0	0	0	0	0	10	79	304	752	1158	1300	1310	1310	1310
60	0	0	0	1	24	119	302	256	63	1	0	0	0	0	0	1	25	144	446	702	765	766	766	766
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	18	63	160	282	421	569	551	376	201	43	5	0	18	81	241	523	944	1513	2064	2440	2641	2684	2689

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20

1971-2000

Station: REDBIRD, WY

COOP ID: 487555

Climate Division: WY 7

NWS Call Sign:

Elevation: 3,890 Feet Lat: 43° 15N

Lon: 104° 17W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	34.9	7.9	21.4	69	1992	31	32.4	1990	-47	1963	19	2.0	1979	1352	0	.0	.0	4.5	11.6	30.2	9.4
Feb	41.0	13.9	27.5	72	1950	26	37.2	1999	-38+	1996	2	10.4	1993	1051	0	.0	.0	8.4	7.2	26.7	4.9
Mar	50.8	22.0	36.4	81	1967	29	44.6	1986	-30	1956	12	29.5	1996	887	0	.0	.0	17.1	3.2	27.0	1.3
Apr	60.6	31.1	45.9	90+	1980	21	51.8	1981	-8	1966	20	39.9	1997	574	0	.0	@	23.9	.5	16.5	.0
May	70.6	41.3	56.0	100	1969	27	61.7	1998	12	1954	3	51.1	1983	293	12	.0	.6	30.1	.0	4.2	.0
Jun	81.5	50.2	65.9	109	1954	23	73.9	1988	24	1951	3	59.6	1982	85	110	.6	6.3	29.9	.0	.2	.0
Jul	89.6	56.3	73.0	112	1954	12	79.1	2000	36	1972	3	67.2	1992	16	263	3.3	16.4	31.0	.0	.0	.0
Aug	88.5	54.0	71.3	106+	1975	6	77.3	1983	30	1964	30	66.6	1977	29	221	1.2	14.6	31.0	.0	@	.0
Sep	77.8	42.3	60.1	103	1960	4	68.7	1998	9	1961	30	53.5	1973	200	51	.2	4.5	29.4	.0	4.7	.0
Oct	64.6	30.3	47.5	92	1953	1	51.1	1974	-16	1991	31	42.6	1976	544	0	.0	.1	27.5	.3	18.1	.2
Nov	46.2	18.3	32.3	80	1999	7	42.1	1999	-27	1959	14	16.0	1985	983	0	.0	.0	12.6	5.2	27.6	2.3
Dec	37.2	8.8	23.0	77	1998	1	31.6	1999	-47	1989	22	3.3	1983	1302	0	.0	.0	5.8	9.8	30.4	7.6
Ann	61.9	31.4	46.7	112	Jul 1954	12	79.1	Jul 2000	-47+	Dec 1989	22	2.0	Jan 1979	7316	657	5.3	42.5	251.2	37.8	185.6	25.7

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Climatology of the United States

No. 20 1971-2000

Station: REDBIRD, WY

COOP ID: 487555

Climate Division: WY 7

NWS Call Sign:

Elevation: 3,890 Feet Lat: 43° 15N

Lon: 104° 17W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
		Means/Medians(1)		Extremes						Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Median	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	.33	.30	.70	1974	21	.82	1974	.00	1989	4.8	.7	@	.0	.03	.07	.12	.17	.22	.27	.33	.40	.50	.66	.81
Feb	.40	.36	1.12	1953	9	1.67	1971	.00	1977	3.7	1.3	.1	.0	.01	.03	.08	.14	.20	.28	.37	.49	.66	.94	1.22
Mar	.77	.73	1.12	1985	3	1.92	1998	.00	1974	5.8	2.5	.2	@	.15	.26	.38	.49	.59	.69	.81	.94	1.11	1.38	1.63
Apr	2.00	2.15	2.83	2000	19	3.96	2000	.47	1992	8.2	4.7	1.3	.2	.44	.62	.92	1.18	1.45	1.73	2.05	2.43	2.93	3.72	4.48
May	2.62	2.31	2.80	1971	23	5.31	1991	.11	1974	10.4	6.2	1.6	.3	.64	.89	1.27	1.61	1.94	2.30	2.69	3.17	3.78	4.76	5.67
Jun	2.35	2.41	3.55	1952	27	4.70	1986	.35	1974	9.2	5.2	1.6	.4	.59	.81	1.15	1.46	1.76	2.07	2.43	2.85	3.40	4.26	5.07
Jul	2.00	1.80	1.76	1973	21	5.68	1973	.21	1989	8.3	4.5	1.4	.3	.36	.54	.83	1.11	1.38	1.69	2.03	2.44	3.00	3.89	4.74
Aug	1.54	1.19	4.02	1976	1	4.79	1976	.11	1995	6.0	3.4	1.0	.3	.25	.38	.61	.82	1.04	1.28	1.55	1.88	2.33	3.05	3.74
Sep	1.41	.95	1.66	1973	9	4.67	1989	.03	1983	5.3	3.4	.9	.2	.07	.15	.32	.51	.72	.98	1.29	1.69	2.26	3.23	4.19
Oct	1.05	.88	1.25	1948	29	4.24	1998	.07	1999	5.4	2.8	.6	@	.16	.25	.40	.55	.70	.86	1.05	1.28	1.59	2.10	2.58
Nov	.68	.55	.97	2000	1	2.24	1983	.03	1981	4.7	2.0	.3	.0	.06	.11	.20	.30	.40	.51	.65	.82	1.06	1.46	1.84
Dec	.33	.28	.52	1992	13	1.26	1992	.00+	1986	4.4	1.2	@	.0	.00	.04	.10	.15	.20	.26	.33	.41	.52	.70	.88
Ann	15.48	15.53	4.02	Aug 1976	1	5.68	Jul 1973	.00+	Jan 1989	76.2	37.9	9.0	1.7	10.31	11.29	12.55	13.52	14.38	15.22	16.10	17.07	18.25	19.98	21.49

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: REDBIRD, WY

COOP ID: 487555

Climate Division: WY 7

NWS Call Sign:

Elevation: 3,890 Feet

Lat: 43° 15N

Lon: 104° 17W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	7.1	6.0	3	2	8.0	2000	28	18.0	2000	19	1993	14	13	1993	4.0	3.6	.8	.2	.0	13.2	7.0	3.9	.6
Feb	5.5	4.0	2	1	9.0	1995	14	18.0	1987	21	1993	21	15	1993	3.0	2.6	1.0	.3	.0	9.0	4.6	2.6	1.2
Mar	10.3	9.3	1	1	15.0	1985	3	28.0	1998	14	1993	1	5	1993	3.7	3.6	1.5	.5	.1	5.6	3.2	1.8	.4
Apr	6.9	5.6	#	#	12.0	1986	4	19.0	1997	10	1997	10	2	1997	2.3	2.2	1.0	.4	.1	1.8	.8	.6	.1
May	.5	.0	#	0	8.0	1983	12	8.0	1983	1	1983	12	#+	1993	.1	.1	.1	.1	.0	@	.0	.0	.0
Jun	#	.0	#	0	#	1998	4	#+	1998	#	1993	21	#	1993	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.5	.0	#	0	7.0	1995	20	8.0	1995	4	2000	22	#+	2000	.1	.1	.1	@	.0	.1	.1	.0	.0
Oct	2.7	1.0	#	0	12.0	1993	8	15.0+	1995	9	1993	8	1	1993	.9	.8	.5	.2	@	1.0	.4	.2	.0
Nov	7.3	5.1	1	1	10.0	1977	19	31.0	1983	20	1985	30	7	1985	2.8	2.6	1.1	.5	.1	6.9	3.5	1.9	.4
Dec	6.8	7.8	2	1	16.0	1992	13	16.0	1992	25	1992	15	12	1992	3.9	3.6	1.0	.3	@	11.7	7.6	3.9	1.0
Ann	47.6	38.8	N/A	N/A	16.0	Dec 1992	13	31.0	Nov 1983	25	Dec 1992	15	15	Feb 1993	20.8	19.2	7.1	2.5	.3	49.3	27.2	14.9	3.7

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: REDBIRD, WY

COOP ID: 487555

Climate Division: WY 7

NWS Call Sign:

Elevation: 3,890 Feet

Lat: 43° 15N

Lon: 104° 17W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/21	6/14	6/10	6/06	6/03	5/30	5/26	5/22	5/16
32	6/05	5/31	5/27	5/24	5/21	5/18	5/15	5/11	5/06
28	5/15	5/11	5/08	5/06	5/03	5/01	4/28	4/25	4/21
24	5/07	5/02	4/29	4/26	4/23	4/21	4/18	4/15	4/10
20	5/03	4/27	4/22	4/19	4/15	4/12	4/08	4/04	3/29
16	4/21	4/16	4/12	4/09	4/06	4/03	3/30	3/26	3/21
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/25	8/30	9/03	9/06	9/09	9/12	9/16	9/19	9/25
32	9/08	9/11	9/13	9/16	9/17	9/19	9/21	9/24	9/27
28	9/11	9/16	9/20	9/23	9/25	9/28	10/01	10/05	10/09
24	9/16	9/21	9/25	9/28	10/01	10/04	10/07	10/11	10/16
20	9/21	9/27	10/02	10/06	10/10	10/14	10/18	10/23	10/30
16	10/04	10/10	10/15	10/18	10/22	10/25	10/29	11/02	11/08
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	121	113	107	102	98	93	88	82	74
32	138	131	126	122	119	115	111	106	100
28	164	158	153	148	145	141	136	131	125
24	180	173	168	164	160	156	152	147	141
20	203	194	188	182	177	172	167	161	152
16	222	214	208	203	198	193	188	182	174

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: REDBIRD, WY

COOP ID: 487555

Climate Division: WY 7

NWS Call Sign:

Elevation: 3,890 Feet Lat: 43° 15N

Lon: 104° 17W

Degree Days to Selected Base Temperatures (°F)

Base	Heating Degree Days (1)												
	Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
65	1352	1051	887	574	293	85	16	29	200	544	983	1302	7316
60	1197	911	732	427	170	31	3	7	108	391	833	1147	5957
57	1104	827	639	341	112	15	0	3	68	301	743	1054	5207
55	1043	779	577	287	81	8	0	1	47	245	689	992	4749
50	897	647	428	169	29	1	0	0	14	128	550	844	3707
32	419	259	61	2	0	0	0	0	0	3	171	369	1284

Base	Cooling Degree Days (1)												
	Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
32	90	131	197	418	742	1015	1270	1216	841	482	178	90	6670
55	1	8	0	13	110	333	557	504	198	11	7	0	1742
57	0	0	0	7	79	280	495	443	159	5	0	0	1468
60	0	0	0	2	44	207	404	355	110	1	0	0	1123
65	0	0	0	0	12	110	263	221	51	0	0	0	657
70	0	0	0	0	2	46	147	117	19	0	0	0	331

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	5	19	81	224	504	782	1031	975	614	275	47	9	5	24	105	329	833	1615	2646	3621	4235	4510	4557	4566
45	0	1	32	128	356	632	876	820	471	159	14	2	0	1	33	161	517	1149	2025	2845	3316	3475	3489	3491
50	0	0	7	55	221	484	721	665	332	71	2	0	0	0	7	62	283	767	1488	2153	2485	2556	2558	2558
55	0	0	0	21	115	341	566	510	214	25	0	0	0	0	0	21	136	477	1043	1553	1767	1792	1792	1792
60	0	0	0	5	46	211	414	360	113	5	0	0	0	0	0	5	51	262	676	1036	1149	1154	1154	1154
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	10	35	98	191	336	494	645	617	422	249	64	21	10	45	143	334	670	1164	1809	2426	2848	3097	3161	3182

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: RIVERTON, WY

COOP ID: 487760

Climate Division: WY 9

NWS Call Sign:

Elevation: 4,955 Feet Lat: 43°02N

Lon: 108°22W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	30.0	-.3	14.9	63	1953	10	26.3	1990	-46+	1979	1	-4.7	1979	1557	0	.0	.0	1.5	17.0	30.9	15.7
Feb	37.6	6.5	22.1	71	1951	11	30.4	2000	-45	1936	8	5.1	1993	1202	0	.0	.0	4.9	9.6	28.2	8.8
Mar	50.2	19.5	34.9	78	1986	29	43.8	1986	-24	1920	6	24.1	1973	935	0	.0	.0	16.4	2.6	29.8	1.4
Apr	59.8	28.4	44.1	87	1987	29	49.2	1981	-18	1936	2	36.1	1973	626	0	.0	.0	23.3	.6	21.1	.1
May	69.5	38.1	53.8	96	1984	31	60.1	1994	18	1954	1	49.1	1983	352	5	.0	.1	29.2	.0	6.1	.0
Jun	81.1	46.2	63.7	102	1970	28	72.2	1988	26	1951	3	57.3	1998	126	86	.2	6.0	29.8	.0	.5	.0
Jul	89.0	51.5	70.3	104+	1990	1	73.7	1976	30	1986	7	64.4	1993	22	184	.8	15.6	31.0	.0	@	.0
Aug	87.5	48.8	68.2	103	1988	1	73.0	2000	30	1932	31	64.4	1974	40	138	.2	13.0	31.0	.0	.1	.0
Sep	75.8	38.7	57.3	98	1990	8	63.5	1998	9	1926	25	52.2	1984	253	20	.0	2.1	28.9	.1	6.3	.0
Oct	62.0	27.6	44.8	90	1980	1	50.1	1988	-7	1971	30	40.9	1984	626	0	.0	@	26.1	.4	23.7	.1
Nov	43.0	13.3	28.2	73+	1999	1	37.8	1999	-28	1985	23	14.9	2000	1104	0	.0	.0	9.9	6.5	29.7	4.4
Dec	30.7	1.1	15.9	65+	1995	2	29.8	1980	-46+	1983	23	-1.4	1983	1522	0	.0	.0	2.3	16.9	31.0	13.4
Ann	59.7	26.6	43.2	104+	1990	1	73.7	1976	-46+	1983	23	-4.7	1979	8365	433	1.2	36.8	234.3	53.7	207.4	43.9

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1918-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20 1971-2000

Station: RIVERTON, WY

COOP ID: 487760

Climate Division: WY 9

NWS Call Sign:

Elevation: 4,955 Feet Lat: 43°02N

Lon: 108°22W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount											
		Means/Medians(1)		Extremes						Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution											
Month	Mean	Median	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95	
Jan	.28	.18	.85	1995	16	1.44	1995	.00+	1992	3.1	.9	.1	.0	.00	.00	.03	.09	.15	.21	.28	.36	.47	.65	.84	
Feb	.25	.21	.59	1935	24	.97	1986	.00+	1991	2.4	.8	.0	.0	.00	.02	.06	.10	.14	.19	.24	.31	.40	.55	.69	
Mar	.48	.27	1.08	1998	7	2.95	1998	.01	1999	3.6	1.4	.2	@	.02	.05	.10	.16	.24	.32	.43	.57	.77	1.11	1.45	
Apr	1.01	.87	1.53	1971	26	3.69	1999	.06	1992	5.7	3.2	.4	.1	.12	.20	.34	.48	.63	.80	.99	1.23	1.55	2.09	2.61	
May	1.78	1.67	3.53	1921	8	4.44	1978	.17	1994	7.4	4.4	1.0	.2	.23	.37	.63	.88	1.14	1.43	1.76	2.18	2.74	3.66	4.55	
Jun	1.14	.88	2.20	1993	3	5.95	1993	.00	1973	5.6	2.6	.5	.2	.03	.10	.24	.40	.58	.80	1.06	1.39	1.85	2.64	3.42	
Jul	.73	.51	1.90+	1977	25	2.91	1977	.04	1999	4.6	1.9	.3	.1	.06	.11	.20	.30	.41	.54	.69	.89	1.15	1.60	2.04	
Aug	.49	.42	1.54	1933	26	1.56	1976	.00	1985	4.1	1.4	.1	@	.05	.11	.19	.26	.33	.41	.50	.60	.74	.96	1.18	
Sep	.88	.60	2.14	1923	27	4.45	1973	.00+	1992	4.4	2.0	.4	.2	.00	.03	.14	.27	.41	.59	.80	1.06	1.44	2.10	2.75	
Oct	.81	.58	1.65	1924	19	3.60	1994	.00	1985	4.0	2.3	.4	.0	.02	.07	.18	.30	.42	.57	.75	.98	1.30	1.84	2.38	
Nov	.47	.30	1.20	1996	29	2.13	1996	.00+	1989	2.9	1.4	.1	@	.00	.01	.06	.13	.20	.30	.41	.56	.78	1.16	1.54	
Dec	.36	.17	2.05	1997	19	3.59	1997	.00+	1984	2.3	.8	.1	.1	.00	.01	.04	.09	.14	.21	.31	.43	.60	.91	1.23	
Ann	8.68	8.20	3.53	May 1921	8	5.95	Jun 1993	.00+	Sep 1992	50.1	23.1	3.6	.9	4.68	5.37	6.30	7.03	7.71	8.37	9.08	9.88	10.86	12.34	13.65	

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1918-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: RIVERTON, WY

COOP ID: 487760

Climate Division: WY 9

NWS Call Sign:

Elevation: 4,955 Feet

Lat: 43°02N

Lon: 108°22W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	4.2	3.4	2	0	10.0	1984	14	15.9	1995	16+	1993	21	12	1993	2.9	1.5	.4	.1	@	11.2	6.1	4.4	1.3
Feb	4.7	3.6	1	0	10.0	1987	24	22.5	1987	14+	1993	28	13	1993	2.9	1.6	.6	.2	@	7.7	4.8	3.2	1.5
Mar	4.7	2.8	#	0	5.6	1997	4	21.7	1998	15+	1993	5	5	1993	2.6	1.7	.6	@	.0	3.9	2.0	.9	.4
Apr	4.7	1.1	#	0	17.0	1979	1	31.7	1999	9	1971	26	2	1999	2.0	1.3	.4	.2	@	1.8	.7	.4	.0
May	.4	.0	#	0	5.0	1975	20	5.3	1975	12	1983	11	#	2000	.3	.2	.1	@	.0	.2	.1	.1	@
Jun	#	.0	#	0	#	1999	1	#	1999	#+	2000	24	#	2000	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.8	.0	#	0	10.0	1982	14	13.0	1982	5	1984	24	#	2000	.3	.2	.1	@	@	.1	@	@	.0
Oct	2.6	.3	#	0	12.0	1971	30	23.0	1971	18+	1971	31	2	1971	.9	.7	.2	.2	.1	.9	.4	.2	.1
Nov	5.1	3.6	#	0	8.0	1972	27	15.2	1985	6	1994	3	2	2000	2.6	1.5	.7	.2	.0	3.8	1.4	.2	.0
Dec	5.3	3.5	1	0	15.0	1985	9	19.0+	1985	12+	1987	27	5	1997	2.7	1.6	.4	.2	@	9.9	4.6	2.1	.4
Ann	32.5	18.3	N/A	N/A	17.0	Apr 1979	1	31.7	Apr 1999	18+	Oct 1971	31	13	Feb 1993	17.2	10.3	3.5	1.1	.1	39.5	20.1	11.5	3.7

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States No. 20 1971-2000

Station: RIVERTON, WY

COOP ID: 487760

Climate Division: WY 9

NWS Call Sign:

Elevation: 4,955 Feet

Lat: 43° 02N

Lon: 108° 22W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	7/02	6/26	6/21	6/16	6/12	6/08	6/04	5/30	5/23
32	6/18	6/10	6/04	5/30	5/26	5/21	5/16	5/11	5/03
28	5/23	5/18	5/14	5/11	5/08	5/06	5/03	4/29	4/24
24	5/09	5/05	5/02	4/29	4/27	4/24	4/21	4/18	4/14
20	4/30	4/25	4/22	4/19	4/16	4/13	4/10	4/07	4/02
16	4/24	4/18	4/13	4/09	4/06	4/02	3/29	3/24	3/18
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/22	8/27	8/31	9/03	9/06	9/09	9/12	9/16	9/21
32	9/03	9/07	9/10	9/13	9/15	9/18	9/20	9/24	9/28
28	9/14	9/18	9/20	9/23	9/25	9/27	9/30	10/03	10/06
24	9/21	9/26	9/30	10/03	10/06	10/09	10/12	10/15	10/20
20	9/29	10/04	10/08	10/12	10/15	10/18	10/21	10/25	10/31
16	10/14	10/18	10/22	10/24	10/27	10/30	11/02	11/05	11/10
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	112	103	96	90	85	80	74	68	58
32	141	131	124	118	112	106	100	92	82
28	156	150	146	142	139	135	132	127	121
24	183	175	170	166	162	157	153	148	140
20	206	198	191	186	181	176	171	164	156
16	229	220	214	209	204	199	193	187	178

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: RIVERTON, WY

COOP ID: 487760

Climate Division: WY 9

NWS Call Sign:

Elevation: 4,955 Feet Lat: 43°02N

Lon: 108°22W

Degree Days to Selected Base Temperatures (°F)

Base	Heating Degree Days (1)												
	Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
65	1557	1202	935	626	352	126	22	40	253	626	1104	1522	8365
60	1402	1062	780	478	217	57	4	9	143	471	954	1367	6944
57	1309	978	687	393	150	31	1	3	91	379	864	1274	6160
55	1247	922	625	338	112	19	0	2	64	319	804	1212	5664
50	1092	791	481	215	45	5	0	0	20	186	665	1060	4560
32	583	361	101	9	0	0	0	0	0	6	242	558	1860

Base	Cooling Degree Days (1)												
	Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
32	49	83	189	373	676	950	1185	1121	757	403	127	59	5972
55	0	0	0	12	75	279	472	410	131	3	0	0	1382
57	0	0	0	7	51	231	411	349	98	1	0	0	1148
60	0	0	0	2	26	167	321	262	60	0	0	0	838
65	0	0	0	0	5	86	184	138	20	0	0	0	433
70	0	0	0	0	1	33	85	53	5	0	0	0	177

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	3	48	187	437	711	936	876	523	198	18	1	0	3	51	238	675	1386	2322	3198	3721	3919	3937	3938
45	0	0	15	101	297	561	781	721	385	102	1	0	0	0	15	116	413	974	1755	2476	2861	2963	2964	2964
50	0	0	1	44	177	414	626	566	257	36	0	0	0	0	1	45	222	636	1262	1828	2085	2121	2121	2121
55	0	0	0	13	91	279	471	411	145	10	0	0	0	0	0	13	104	383	854	1265	1410	1420	1420	1420
60	0	0	0	2	28	157	318	261	62	0	0	0	0	0	0	2	30	187	505	766	828	828	828	828
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	17	75	174	310	457	582	558	381	206	39	2	0	17	92	266	576	1033	1615	2173	2554	2760	2799	2801

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: ROCHELLE 3 E, WY

COOP ID: 487810

Climate Division: WY 7

NWS Call Sign:

Elevation: 4,496 Feet Lat: 43° 36N

Lon: 104° 54W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	32.7	4.9	18.8	65	1953	12	29.4	1981	-45	1963	19	1.7	1979	1432	0	.0	.0	2.8	13.5	30.7	10.3
Feb	38.7	10.2	24.5	70+	1988	27	35.3	1999	-39	1994	9	8.2	1989	1135	0	.0	.0	4.9	7.7	27.8	5.6
Mar	47.8	18.9	33.4	80	1986	29	41.1	1986	-32	1960	3	26.0	1996	980	0	.0	.0	13.8	3.1	28.3	1.9
Apr	57.3	27.1	42.2	91	1992	30	48.2	1981	-14	1975	2	36.8	1997	683	0	.0	.1	21.6	.4	21.1	.1
May	68.5	37.0	52.8	98	1969	27	58.1	1987	6	1954	3	46.7	1996	386	6	.0	.2	29.5	.0	6.5	.0
Jun	80.6	46.4	63.5	105+	1988	24	70.6	1988	27	1951	2	57.2	1993	121	76	.3	4.8	29.9	.0	.6	.0
Jul	89.0	53.2	71.1	107+	1989	8	75.3	1974	31	1972	3	63.6	1992	20	209	2.3	14.2	31.0	.0	.1	.0
Aug	87.3	51.0	69.2	105+	2001	6	76.7	1983	29	1964	25	63.3	1992	53	182	.8	12.1	31.0	.0	.1	.0
Sep	76.4	38.1	57.3	103	1981	9	64.6	1990	9	1961	30	52.2	1993	264	30	.2	2.8	29.2	@	6.5	.0
Oct	64.1	26.7	45.4	92	1956	2	50.6	1979	-11	1991	31	42.0	1984	607	0	.0	.1	27.8	.3	21.8	.2
Nov	44.2	16.2	30.2	79	1999	12	41.0	1999	-31	1959	14	14.0	1985	1045	0	.0	.0	11.5	5.3	28.5	3.0
Dec	33.9	6.0	20.0	65	1999	1	29.3	1999	-47+	1990	22	2.1	1983	1397	0	.0	.0	3.0	12.6	30.6	9.0
Ann	60.0	28.0	44.0	107+	1989	8	76.7	1983	-47+	1990	22	1.7	1979	8123	503	3.6	34.3	236.0	42.9	202.6	30.1

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Climatology of the United States

No. 20 1971-2000

Station: ROCHELLE 3 E, WY

COOP ID: 487810

Climate Division: WY 7

NWS Call Sign:

Elevation: 4,496 Feet Lat: 43° 36N

Lon: 104° 54W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1)											
														Probability that the monthly/annual precipitation will be equal to or less than the indicated amount											
Means/Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels												
													These values were determined from the incomplete gamma distribution												
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95	
Jan	.27	.26	.32	1951	20	.75	1972	.00	1989	4.7	1.1	.0	.0	.02	.05	.09	.13	.17	.22	.27	.33	.41	.54	.67	
Feb	.37	.25	.55	1991	17	1.08	1987	.00	1983	4.3	1.4	@	.0	.02	.06	.12	.17	.23	.29	.36	.45	.58	.78	.97	
Mar	.75	.68	1.24	1990	6	1.96	1992	.02	1974	5.8	2.7	.2	@	.13	.20	.31	.41	.51	.63	.76	.91	1.12	1.45	1.77	
Apr	1.70	1.86	1.63	1971	20	3.56	1971	.10	1987	8.2	4.7	.9	.1	.40	.56	.81	1.03	1.25	1.48	1.75	2.06	2.46	3.11	3.72	
May	2.56	2.32	2.06	1976	29	5.87	1971	.62	1973	9.4	6.2	1.6	.5	.64	.88	1.25	1.58	1.91	2.25	2.64	3.09	3.69	4.63	5.51	
Jun	1.95	1.52	2.25	1999	10	5.77	1999	.20	1988	7.5	4.7	1.2	.3	.28	.44	.73	1.00	1.28	1.59	1.94	2.38	2.97	3.93	4.85	
Jul	1.85	1.66	2.30	1997	27	5.52	1997	.28	1996	6.4	4.5	1.1	.3	.35	.52	.79	1.04	1.30	1.57	1.88	2.26	2.76	3.56	4.32	
Aug	1.19	1.07	2.37	1968	8	2.89	1980	.00	1971	5.0	3.0	.7	.2	.09	.22	.41	.58	.76	.96	1.19	1.47	1.84	2.46	3.05	
Sep	1.00	.64	1.55	1963	1	4.21	1973	.00	1991	4.4	2.9	.5	.1	.03	.10	.24	.38	.54	.72	.95	1.23	1.61	2.27	2.91	
Oct	1.04	.76	1.50	1998	17	4.59	1998	.13	1999	4.7	3.0	.6	.1	.12	.20	.35	.50	.65	.82	1.02	1.27	1.61	2.17	2.71	
Nov	.59	.46	1.02	2000	1	1.46	2000	.08+	1995	4.7	2.1	.1	@	.10	.15	.23	.31	.39	.49	.59	.72	.88	1.16	1.42	
Dec	.37	.30	.51+	1980	1	.90	1972	.01	1991	4.9	1.5	@	.0	.04	.07	.12	.18	.23	.29	.37	.46	.58	.78	.98	
Ann	13.64	13.80	2.37	Aug 1968	8	5.87	May 1971	.00+	Sep 1991	70.0	37.8	6.9	1.6	8.21	9.20	10.49	11.50	12.41	13.31	14.24	15.29	16.58	18.49	20.17	

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: ROCHELLE 3 E, WY

COOP ID: 487810

Climate Division: WY 7

NWS Call Sign:

Elevation: 4,496 Feet

Lat: 43° 36N

Lon: 104° 54W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	5.0	4.0	2	2	4.0	1972	27	14.0	1972	8	1984	2	6	1979	3.6	2.6	.5	.0	.0	17.1	8.8	3.8	.0
Feb	6.2	5.0	1	1	8.0	1990	13	17.0	1987	9	1990	15	5	1979	3.4	2.9	.7	.1	.0	12.3	6.4	1.7	.0
Mar	6.8	5.0	1	1	8.0	1990	6	18.1	1998	8+	1998	7	3	1998	3.5	3.1	.8	.2	.0	9.6	3.1	.6	.0
Apr	6.0	6.0	#	#	6.0	1975	7	19.5	1984	11	1984	27	2	1975	2.7	2.5	.8	.2	.0	3.1	.9	.3	@
May	.8	.0	#	0	6.0	1978	7	6.0	1978	4	1984	3	1	1984	.3	.3	.1	@	.0	.5	.3	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.4	.0	#	0	4.0	2000	23	6.0	2000	5	2000	23	#+	2000	.2	.2	@	.0	.0	.1	@	@	.0
Oct	2.8	2.0	#	#	10.0	1993	9	16.0	1995	10	1971	29	1	1995	1.1	1.0	.4	.2	@	1.4	.4	.2	@
Nov	6.4	6.0	1	1	9.0	1986	7	18.0	1985	11	1985	30	5	1985	3.2	3.0	.8	.3	.0	8.1	4.2	2.2	.1
Dec	6.7	5.0	2	1	12.0	1980	1	16.0	1982	12	1980	2	8	1983	4.0	3.1	.8	.1	@	16.7	8.9	5.1	.4
Ann	41.1	33.0	N/A	N/A	12.0	Dec 1980	1	19.5	Apr 1984	12	Dec 1980	2	8	Dec 1983	22.0	18.7	4.9	1.1	@	68.9	33.0	13.9	.5

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: ROCHELLE 3 E, WY

COOP ID: 487810

Climate Division: WY 7

NWS Call Sign:

Elevation: 4,496 Feet

Lat: 43° 36N

Lon: 104° 54W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	7/03	6/26	6/21	6/16	6/12	6/07	6/03	5/29	5/21
32	6/22	6/15	6/09	6/05	6/01	5/28	5/23	5/18	5/11
28	5/24	5/19	5/16	5/13	5/11	5/08	5/06	5/03	4/28
24	5/14	5/09	5/06	5/04	5/01	4/29	4/26	4/23	4/18
20	5/06	5/01	4/28	4/25	4/23	4/20	4/17	4/14	4/09
16	4/25	4/20	4/17	4/14	4/11	4/08	4/05	4/02	3/28
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/19	8/25	8/29	9/02	9/06	9/09	9/13	9/17	9/23
32	9/03	9/07	9/09	9/12	9/14	9/16	9/18	9/21	9/25
28	9/08	9/12	9/15	9/17	9/20	9/22	9/24	9/27	10/01
24	9/11	9/17	9/21	9/25	9/29	10/02	10/06	10/11	10/17
20	9/20	9/26	10/01	10/05	10/08	10/12	10/16	10/20	10/26
16	10/03	10/09	10/13	10/17	10/20	10/24	10/28	11/01	11/07
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	112	103	96	90	85	80	74	68	58
32	128	120	114	109	104	100	95	89	81
28	150	144	139	135	131	127	123	119	112
24	175	167	160	155	150	145	140	133	125
20	190	182	177	172	168	163	159	153	146
16	213	206	200	196	191	187	183	177	170

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: ROCHELLE 3 E, WY

COOP ID: 487810

Climate Division: WY 7

NWS Call Sign:

Elevation: 4,496 Feet Lat: 43° 36N

Lon: 104° 54W

Degree Days to Selected Base Temperatures (°F)

Base	Heating Degree Days (1)												
	Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
65	1432	1135	980	683	386	121	20	53	264	607	1045	1397	8123
60	1277	995	825	533	250	53	3	19	156	452	895	1242	6700
57	1184	911	732	446	180	28	0	8	105	361	805	1149	5909
55	1122	855	670	388	140	17	0	5	77	301	745	1087	5407
50	967	719	515	255	64	4	0	1	28	169	605	932	4259
32	468	290	94	11	0	0	0	0	0	4	195	430	1492

Cooling Degree Days (1)

Base	Cooling Degree Days (1)												
	Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
32	59	79	137	317	643	945	1212	1152	757	420	140	56	5917
55	0	0	0	5	70	272	499	444	143	4	0	0	1437
57	0	0	0	2	48	223	437	385	111	2	0	0	1208
60	0	0	0	0	25	158	347	303	73	0	0	0	906
65	0	0	0	0	6	76	209	182	30	0	0	0	503
70	0	0	0	0	1	27	104	93	10	0	0	0	235

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	1	7	43	153	409	709	973	920	550	233	31	2	1	8	51	204	613	1322	2295	3215	3765	3998	4029	4031
45	0	1	14	72	266	559	818	765	405	123	7	0	0	1	15	87	353	912	1730	2495	2900	3023	3030	3030
50	0	0	0	24	145	410	663	611	270	45	0	0	0	0	0	24	169	579	1242	1853	2123	2168	2168	2168
55	0	0	0	10	64	272	509	456	155	8	0	0	0	0	0	10	74	346	855	1311	1466	1474	1474	1474
60	0	0	0	1	15	153	355	306	76	1	0	0	0	0	0	1	16	169	524	830	906	907	907	907
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	11	54	141	286	457	609	587	401	238	44	3	0	11	65	206	492	949	1558	2145	2546	2784	2828	2831

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20

1971-2000

Station: ROCK SPRINGS AP, WY

COOP ID: 487845

Climate Division: WY 3

NWS Call Sign: RKS

Elevation: 6,741 Feet Lat: 41° 36N

Lon: 109° 04W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	27.3	10.7	19.0	55	1969	7	26.2	1999	-37	1963	12	4.0	1979	1425	0	.0	.0	.2	18.2	30.7	5.2
Feb	31.6	13.8	22.7	60	1977	20	30.1	1995	-29	1989	7	10.2	1989	1184	0	.0	.0	1.4	11.9	27.7	3.3
Mar	40.9	22.2	31.6	67+	1989	10	37.6	1986	-12	1969	11	25.7	1977	1038	0	.0	.0	8.5	4.1	28.8	.4
Apr	51.0	28.4	39.7	79	1989	20	47.2	1992	2	1975	2	33.3	1975	759	0	.0	.0	19.0	.9	21.0	.0
May	61.7	36.8	49.3	87	1969	26	55.3	1994	14	1967	1	43.4	1995	490	1	.0	.0	28.1	.0	7.7	.0
Jun	73.6	45.6	59.6	96	1954	23	66.3	1977	26+	1951	3	53.1	1998	202	41	.0	.9	29.7	.0	.7	.0
Jul	81.5	52.1	66.8	96+	2001	4	70.6	1988	35+	1972	4	60.9	1993	49	105	.0	3.1	31.0	.0	.0	.0
Aug	79.9	50.5	65.2	95	1969	10	69.4	2000	33	1962	31	62.1	1993	71	76	.0	1.2	31.0	.0	.0	.0
Sep	68.6	41.2	54.9	89+	1995	4	60.5	1990	5	1965	18	49.8	1985	310	7	.0	.0	28.7	.1	4.0	.0
Oct	55.6	31.4	43.5	79	1957	1	50.3	1988	3	1991	30	37.2	1984	668	0	.0	.0	23.9	1.0	16.8	.0
Nov	38.3	19.3	28.8	66	1977	4	38.3	1999	-13+	1979	30	21.4	2000	1086	0	.0	.0	6.6	8.5	27.8	1.2
Dec	29.0	11.4	20.2	57+	1995	1	30.1	1980	-29+	1990	22	11.0	1978	1388	0	.0	.0	1.0	17.2	30.5	4.3
Ann	53.3	30.3	41.8	96+	2001	4	70.6	1988	-37	1963	12	4.0	1979	8670	230	.0	5.2	209.1	61.9	195.7	14.4

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20 1971-2000

Station: ROCK SPRINGS AP, WY

COOP ID: 487845

Climate Division: WY 3

NWS Call Sign: RKS

Elevation: 6,741 Feet Lat: 41°36N

Lon: 109°04W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount											
		Means/Medians(1)		Extremes						Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution											
Month	Mean	Median	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95	
Jan	.61	.49	.83	1996	17	1.54	1978	.04	1986	7.1	2.1	.1	.0	.10	.16	.25	.33	.42	.51	.62	.75	.92	1.20	1.47	
Feb	.52	.44	.59	2001	7	1.23	1978	.02	1977	5.5	1.9	.2	.0	.06	.10	.17	.25	.32	.41	.51	.63	.80	1.08	1.35	
Mar	.78	.68	1.66	1962	7	1.97	1977	.22	1976	7.2	2.4	.1	.0	.27	.34	.45	.54	.63	.72	.82	.93	1.08	1.31	1.52	
Apr	1.02	.81	1.96	1971	20	2.74	1999	.04	1987	7.9	2.9	.3	@	.10	.17	.31	.45	.61	.78	.98	1.24	1.59	2.18	2.75	
May	1.36	.93	1.71	1971	30	3.67	1995	.00	1974	8.8	4.2	.6	.1	.06	.18	.39	.59	.80	1.04	1.32	1.68	2.16	2.96	3.73	
Jun	.68	.70	1.64	1970	11	1.76	1993	.03	1977	5.7	2.2	.2	.0	.07	.13	.22	.31	.41	.53	.66	.83	1.05	1.42	1.78	
Jul	.93	.76	1.42	1991	24	3.67	1973	.04	2000	5.3	2.0	.5	.2	.10	.17	.30	.42	.56	.72	.90	1.13	1.44	1.95	2.46	
Aug	.58	.54	.96	1963	8	1.66	1997	.04	1985	6.2	2.2	.2	.0	.07	.12	.20	.28	.36	.46	.57	.71	.89	1.20	1.49	
Sep	.87	.69	2.00	1973	11	3.58	1973	.02	1974	6.1	2.5	.3	.1	.07	.13	.24	.36	.50	.65	.83	1.06	1.37	1.90	2.43	
Oct	.87	.81	.96	1994	3	2.34	1994	.00	1988	6.1	2.6	.2	.0	.06	.15	.29	.42	.55	.70	.87	1.08	1.36	1.82	2.26	
Nov	.63	.53	.89	1978	11	1.60	1983	.00+	1976	5.9	2.1	.1	.0	.00	.06	.17	.27	.37	.49	.62	.78	1.01	1.37	1.73	
Dec	.61	.41	.94	1975	12	1.78	1975	.12	1974	5.3	1.9	.2	.0	.10	.15	.24	.32	.41	.50	.61	.74	.92	1.20	1.48	
Ann	9.46	9.12	2.00	Sep 1973	11	3.67+	May 1995	.00+	Oct 1988	77.1	29.0	3.0	.4	5.55	6.25	7.17	7.90	8.55	9.20	9.88	10.64	11.57	12.96	14.19	

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: ROCK SPRINGS AP, WY

COOP ID: 487845

Climate Division: WY 3

NWS Call Sign: RKS

Elevation: 6,741 Feet

Lat: 41°36N

Lon: 109°04W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	7.1	5.6	3	3	10.5	1996	17	20.5	1997	17	1997	13	11	1984	7.0	2.6	.5	.2	.1	22.7	14.2	8.7	2.9
Feb	5.3	4.6	3	3	6.1	2000	17	14.4	1995	15	1980	1	8+	1993	4.9	2.0	.4	.2	.0	16.8	9.9	6.2	1.3
Mar	7.2	6.6	1	1	13.1	1988	10	19.8	1977	15+	1988	12	3	1988	5.6	2.5	.6	.2	@	8.1	2.7	1.1	.3
Apr	7.0	5.6	#	1	9.5	1986	17	21.5	1999	8+	1993	20	1+	1999	4.8	2.1	.6	.3	.0	2.4	1.0	.4	.0
May	2.5	.8	#	0	8.0	1975	20	12.0	1978	5	1978	7	#	2000	1.5	.9	.2	.1	.0	.5	.1	@	.0
Jun	.2	.0	#	0	2.2	1995	8	2.3	1995	1	1974	8	#	2000	.2	.1	.0	.0	.0	@	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.8	.0	#	0	7.7	2000	22	12.8	2000	10	2000	24	1	2000	.4	.2	.1	.1	.0	.2	.1	.1	@
Oct	4.6	3.4	#	0	8.0	1971	28	18.8	1971	13	1971	29	1+	1996	2.5	1.5	.6	.1	.0	1.3	.6	.4	.1
Nov	6.2	4.1	1	1	10.0	1978	11	22.1	1978	10	1978	12	4+	1978	5.1	2.1	.7	.1	@	8.5	3.8	1.6	@
Dec	6.7	5.5	2	1	9.4	1975	12	19.4	1975	15+	1983	26	12	1983	5.4	2.4	.5	.2	.0	16.6	10.3	5.8	1.2
Ann	47.6	36.2	N/A	N/A	13.1	Mar 1988	10	22.1	Nov 1978	17	Jan 1997	13	12	Dec 1983	37.4	16.4	4.2	1.5	.1	77.1	42.7	24.3	5.8

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States No. 20 1971-2000

Station: **ROCK SPRINGS AP, WY**

COOP ID: 487845

Climate Division: **WY 3**

NWS Call Sign: **RKS**

Elevation: **6,741 Feet**

Lat: **41° 36N**

Lon: **109° 04W**

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/24	6/19	6/16	6/13	6/10	6/07	6/04	5/31	5/26
32	6/13	6/08	6/04	6/01	5/28	5/25	5/22	5/18	5/12
28	5/29	5/23	5/19	5/15	5/12	5/08	5/05	5/01	4/25
24	5/09	5/05	5/02	4/29	4/26	4/24	4/21	4/18	4/13
20	5/01	4/25	4/21	4/18	4/15	4/11	4/08	4/04	3/29
16	4/22	4/14	4/08	4/03	3/30	3/25	3/20	3/14	3/06
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/29	9/03	9/06	9/09	9/12	9/15	9/18	9/21	9/26
32	9/09	9/12	9/15	9/17	9/19	9/21	9/23	9/26	9/30
28	9/13	9/18	9/22	9/25	9/28	10/01	10/05	10/08	10/13
24	9/23	9/29	10/04	10/07	10/11	10/14	10/18	10/22	10/28
20	10/04	10/10	10/15	10/19	10/23	10/27	10/31	11/05	11/11
16	10/18	10/23	10/26	10/29	11/01	11/04	11/07	11/11	11/16
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	117	109	103	98	94	89	84	78	70
32	134	127	122	117	113	109	104	99	92
28	163	155	149	144	139	134	129	122	114
24	189	182	176	171	167	162	158	152	144
20	216	207	201	196	191	186	181	174	166
16	243	234	227	221	216	210	205	198	188

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: ROCK SPRINGS AP, WY

COOP ID: 487845

Climate Division: WY 3

NWS Call Sign: RKS

Elevation: 6,741 Feet Lat: 41°36N

Lon: 109°04W

Degree Days to Selected Base Temperatures (°F)

Base	Heating Degree Days (1)												
	Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
65	1425	1184	1038	759	490	202	49	71	310	668	1086	1388	8670
60	1270	1044	883	609	343	110	11	20	184	514	936	1233	7157
57	1177	960	790	523	262	69	3	7	124	423	846	1140	6324
55	1115	904	728	466	213	48	1	3	90	364	786	1078	5796
50	960	764	573	331	113	16	0	0	34	232	637	923	4583
32	433	299	121	36	1	0	0	0	0	11	187	397	1485

Base	Cooling Degree Days (1)												
	Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
32	31	39	106	267	535	829	1078	1029	687	366	91	32	5090
55	0	0	0	7	34	187	367	319	88	6	0	0	1008
57	0	0	0	4	21	148	307	260	61	3	0	0	804
60	0	0	0	0	8	99	222	180	32	1	0	0	542
65	0	0	0	0	1	41	105	76	7	0	0	0	230
70	0	0	0	0	0	12	32	19	1	0	0	0	64

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	25	129	341	624	867	817	491	201	22	0	0	0	25	154	495	1119	1986	2803	3294	3495	3517	3517
45	0	0	1	56	210	475	712	662	354	105	4	0	0	0	1	57	267	742	1454	2116	2470	2575	2579	2579
50	0	0	0	21	107	334	557	507	221	37	0	0	0	0	0	21	128	462	1019	1526	1747	1784	1784	1784
55	0	0	0	3	43	208	402	354	118	10	0	0	0	0	0	3	46	254	656	1010	1128	1138	1138	1138
60	0	0	0	0	4	105	253	210	40	0	0	0	0	0	0	0	4	109	362	572	612	612	612	612
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	26	103	224	396	561	522	319	150	18	0	0	0	26	129	353	749	1310	1832	2151	2301	2319	2319

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20

1971-2000

Station: SAGE 4 NNW, WY

COOP ID: 487955

Climate Division: WY 3

NWS Call Sign:

Elevation: 6,210 Feet Lat: 41° 52N

Lon: 111° 00W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	26.8	-.5	13.2	55	1970	23	22.6	1981	-51	1979	1	3.0	1979	1610	0	.0	.0	.1	19.8	31.0	16.3
Feb	31.5	2.3	16.9	57	1950	25	24.9	1986	-51	1985	1	6.1	1985	1347	0	.0	.0	.4	12.8	28.2	12.5
Mar	42.4	15.8	29.1	70+	1986	30	35.7	1986	-30	1998	8	19.3	1998	1113	0	.0	.0	6.2	3.3	30.8	3.0
Apr	55.0	24.2	39.6	80	2000	27	45.3	1992	-3	1973	8	33.3	1975	763	0	.0	.0	20.2	.2	27.8	@
May	64.6	32.0	48.3	86+	2001	24	53.5	1992	7	1953	2	43.8	1983	518	0	.0	.0	28.4	.0	18.6	.0
Jun	74.8	38.6	56.7	92+	2001	30	62.5	1977	18	1960	21	52.4	1998	257	8	.0	.4	30.0	.0	6.3	.0
Jul	82.5	43.0	62.8	97+	2001	4	66.0	1975	23	1954	22	53.7	1993	124	53	.0	2.3	31.0	.0	2.2	.0
Aug	81.5	39.6	60.6	97+	2000	1	64.5	2000	14	1962	30	56.2	1993	158	20	.0	1.4	31.0	.0	5.6	.0
Sep	72.5	31.0	51.8	90	1990	12	57.3	1990	3	1983	20	45.4	1986	399	1	.0	@	29.2	@	19.6	.0
Oct	60.6	21.8	41.2	84	1996	10	44.0	1988	-4+	1971	30	34.7	1984	738	0	.0	.0	25.5	.5	28.8	.1
Nov	41.7	12.7	27.2	74	1999	6	34.5	1995	-34	1983	30	18.1	2000	1134	0	.0	.0	7.6	7.0	29.4	4.8
Dec	28.8	.9	14.9	61	1995	1	25.0	1995	-48	1978	30	2.3	1990	1556	0	.0	.0	.5	18.7	31.0	15.6
Ann	55.2	21.8	38.5	97+	2001	4	66.0	1975	-51+	1985	1	2.3	1990	9717	82	.0	4.1	210.1	62.3	259.3	52.3

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20 1971-2000

Station: SAGE 4 NNW, WY

COOP ID: 487955

Climate Division: WY 3

NWS Call Sign:

Elevation: 6,210 Feet Lat: 41°52N

Lon: 111°00W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1)										
														Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
Means/Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels											
													These values were determined from the incomplete gamma distribution											
Month	Mean	Median	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	.57	.56	1.00	1999	21	1.57	1999	.00+	1991	5.7	1.9	.2	@	.00	.00	.19	.29	.39	.49	.60	.73	.90	1.18	1.44
Feb	.42	.35	1.05	1995	14	1.90	1998	.00+	1991	5.7	1.5	.1	@	.00	.00	.09	.19	.27	.35	.44	.54	.68	.89	1.11
Mar	.63	.62	.78	1962	23	1.40	1973	.00+	1999	6.2	1.8	.1	.0	.00	.00	.21	.33	.44	.55	.67	.81	1.00	1.27	1.54
Apr	1.03	.93	1.47	1999	29	2.95	1999	.00	1996	5.8	2.7	.5	.1	.12	.25	.42	.57	.72	.88	1.05	1.27	1.55	2.00	2.42
May	1.24	1.02	.95	1952	16	2.92	1980	.33	1972	7.0	4.0	.4	.0	.36	.47	.65	.81	.96	1.11	1.29	1.49	1.76	2.17	2.56
Jun	.99	.91	1.36	1991	2	3.81	1998	.00+	2000	3.9	2.5	.5	.2	.00	.13	.31	.47	.63	.81	1.01	1.24	1.56	2.09	2.59
Jul	.95	.74	1.50	1999	29	2.50	1973	.09	1979	4.1	2.5	.4	.1	.18	.27	.41	.54	.67	.81	.97	1.16	1.41	1.82	2.21
Aug	.80	.61	1.33	1997	11	2.88	1983	.00+	1996	4.1	2.3	.4	.1	.00	.04	.16	.28	.41	.57	.75	.98	1.31	1.86	2.41
Sep	1.08	.75	1.51	1965	6	4.10	1982	.00	1993	4.3	2.8	.6	.1	.03	.11	.26	.42	.59	.79	1.02	1.32	1.74	2.44	3.13
Oct	1.02	.83	1.48	1998	3	2.69	1981	.00+	1999	3.9	2.7	.6	.1	.00	.00	.41	.58	.74	.91	1.09	1.30	1.55	1.98	2.37
Nov	.61	.52	1.11	1965	18	1.75	1973	.00+	1999	4.7	2.2	.1	.0	.00	.00	.19	.30	.40	.51	.63	.78	.96	1.27	1.57
Dec	.42	.30	.70	1964	23	1.47	1981	.00+	2000	5.5	2.2	@	.0	.00	.00	.00	.10	.20	.30	.42	.55	.73	1.03	1.31
Ann	9.76	9.96	1.51	Sep 1965	6	4.10	Sep 1982	.00+	Dec 2000	60.9	29.1	3.9	.7	6.09	6.76	7.65	8.33	8.95	9.55	10.18	10.89	11.75	13.02	14.13

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: SAGE 4 NNW, WY

COOP ID: 487955

Climate Division: WY 3

NWS Call Sign:

Elevation: 6,210 Feet

Lat: 41° 52N

Lon: 111° 00W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	8.6	6.3	5	4	8.0	1992	7	20.5	1971	18	1997	7	18	1997	1.9	1.6	.7	.3	.0	-9.9	-9.9	-9.9	-9.9
Feb	3.5	2.4	5	#	16.0	1995	14	16.0	1995	24	1993	28	23	1993	1.5	1.2	.2	.1	.1	-9.9	-9.9	-9.9	-9.9
Mar	3.7	.0	1	0	5.0	1973	21	22.3	1973	14	1998	7	14	1998	1.1	.9	.4	.1	.0	-9.9	-9.9	-9.9	-9.9
Apr	1.3	.0	0	0	12.0	1972	13	12.0	1972	0	0	0	0	0	.4	.4	.3	.1	.1	.0	.0	.0	.0
May	.4	.0	0	0	10.0	1983	11	10.0+	1983	0	0	0	0	0	.3	.2	@	@	@	.0	.0	.0	.0
Jun	.2	.0	0	0	3.0	1995	8	3.0	1995	0	0	0	0	0	.1	.1	@	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.2	.0	#	0	5.0	2000	23	5.0	2000	6	1978	18	#	1978	.1	.1	.1	@	.0	.0	.0	.0	
Oct	1.9	.0	#	0	7.0	1971	28	14.0	1971	2	1989	31	#+	1993	.4	.4	.2	.1	.0	.1	.0	.0	.0
Nov	3.2	2.5	1	0	6.0	1992	22	8.0	1990	12	1979	30	8	1979	1.2	.9	.4	.2	.0	-9.9	-9.9	-9.9	-9.9
Dec	5.6	.7	3	#	6.0	1971	6	24.0	1972	24	1983	4	24	1983	1.8	1.6	.5	.2	.0	-9.9	-9.9	-9.9	-9.9
Ann	28.6	11.9	N/A	N/A	16.0	Feb 1995	14	24.0	Dec 1972	24+	Feb 1993	28	24	Dec 1983	8.8	7.4	2.8	1.1	.2	-9.9	-9.9	-9.9	-9.9

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: SAGE 4 NNW, WY

COOP ID: 487955

Climate Division: WY 3

NWS Call Sign:

Elevation: 6,210 Feet

Lat: 41° 52N

Lon: 111° 00W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/04	7/29	7/25	7/22	7/18	7/15	7/11	7/07	7/01
32	8/01	7/24	7/18	7/13	7/08	7/03	6/28	6/21	6/13
28	7/12	7/04	6/28	6/24	6/19	6/14	6/09	6/04	5/27
24	6/10	6/04	5/30	5/26	5/22	5/18	5/14	5/09	5/02
20	5/27	5/21	5/17	5/13	5/09	5/06	5/02	4/27	4/21
16	5/11	5/04	4/29	4/25	4/21	4/17	4/13	4/08	4/02
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	7/30	8/01	8/04	8/06	8/08	8/10	8/12	8/15	8/18
32	7/31	8/04	8/08	8/12	8/15	8/18	8/22	8/26	8/31
28	8/11	8/16	8/20	8/24	8/27	8/30	9/02	9/06	9/11
24	8/22	8/28	9/01	9/04	9/08	9/11	9/15	9/19	9/25
20	9/06	9/11	9/14	9/17	9/20	9/23	9/26	9/29	10/04
16	9/12	9/18	9/22	9/25	9/29	10/02	10/06	10/10	10/16
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	43	35	30	25	20	15	10	5	0
32	73	61	52	45	38	31	23	14	2
28	101	90	82	75	68	62	55	46	35
24	134	125	119	113	108	103	98	91	82
20	157	149	143	138	133	129	124	118	110
16	182	175	169	164	160	155	151	145	138

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: SAGE 4 NNW, WY

COOP ID: 487955

Climate Division: WY 3

NWS Call Sign:

Elevation: 6,210 Feet Lat: 41° 52N

Lon: 111° 00W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1610	1347	1113	763	518	257	124	158	399	738	1134	1556	9717
60	1455	1207	958	613	364	136	48	61	257	583	984	1401	8067
57	1362	1123	865	523	276	82	21	27	182	490	894	1308	7153
55	1300	1067	803	463	221	54	12	14	138	428	834	1246	6580
50	1145	927	653	321	108	13	1	1	56	278	684	1091	5278
32	604	443	209	24	0	0	0	0	0	9	223	557	2069

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	18	20	119	251	505	742	952	885	592	294	79	24	4481
55	0	0	0	0	13	105	251	186	40	0	0	0	595
57	0	0	0	0	6	73	198	137	24	0	0	0	438
60	0	0	0	0	1	38	132	78	9	0	0	0	258
65	0	0	0	0	0	8	53	20	1	0	0	0	82
70	0	0	0	0	0	1	13	2	0	0	0	0	16

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	1	74	258	487	698	632	331	97	4	0	0	0	1	75	333	820	1518	2150	2481	2578	2582	2582
45	0	0	0	22	136	339	543	477	202	25	0	0	0	0	0	22	158	497	1040	1517	1719	1744	1744	1744
50	0	0	0	2	54	204	389	325	94	1	0	0	0	0	0	2	56	260	649	974	1068	1069	1069	1069
55	0	0	0	0	11	93	239	179	28	0	0	0	0	0	0	0	11	104	343	522	550	550	550	550
60	0	0	0	0	0	25	104	63	7	0	0	0	0	0	0	0	0	25	129	192	199	199	199	199
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	16	112	236	373	504	487	331	188	25	0	0	0	16	128	364	737	1241	1728	2059	2247	2272	2272

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: SARATOGA, WY

COOP ID: 487990

Climate Division: WY10

NWS Call Sign:

Elevation: 6,790 Feet Lat: 41° 27N

Lon: 106° 49W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	33.3	11.1	22.2	57+	1956	12	28.6	1998	-42	1963	12	9.4	1979	1327	0	.0	.0	.9	13.2	30.5	6.2
Feb	37.3	13.9	25.6	62	1954	9	31.6	2000	-39+	1989	6	15.4	1989	1104	0	.0	.0	2.4	8.2	27.5	4.3
Mar	45.4	21.5	33.5	69+	1986	30	39.6	1986	-23	1955	21	27.7	1973	979	0	.0	.0	10.5	2.8	28.5	.7
Apr	54.9	27.6	41.3	78	2000	28	47.2	1992	-12	1975	2	34.5	1973	713	0	.0	.0	21.0	.7	22.1	.2
May	65.4	35.8	50.6	86	1954	21	55.3	2000	12	1990	9	45.6	1995	448	0	.0	.0	29.0	.0	9.3	.0
Jun	76.3	44.0	60.2	97	1971	26	65.4	1988	23	1954	3	54.8	1998	173	27	.0	.5	29.9	.0	.9	.0
Jul	82.4	49.8	66.1	100+	1954	13	68.7	1976	30	1968	1	61.5	1993	42	76	.0	2.1	31.0	.0	.0	.0
Aug	80.9	47.9	64.4	95	1979	5	67.7	1983	25	1956	31	61.2	1974	71	51	.0	.9	31.0	.0	.1	.0
Sep	71.8	39.0	55.4	90	1950	2	60.0+	1998	10	1985	30	51.9	1985	292	5	.0	.0	29.2	@	6.6	.0
Oct	59.5	29.4	44.5	81+	1976	1	49.1	1988	-8	1972	31	38.7	1984	637	0	.0	.0	25.8	.6	20.1	.1
Nov	42.6	19.1	30.9	70	1999	15	39.3	1999	-20	1983	30	19.2	2000	1025	0	.0	.0	8.9	6.0	27.2	2.0
Dec	34.7	11.7	23.2	58+	1995	1	33.1	1980	-33	1990	22	15.5	1978	1296	0	.0	.0	1.8	11.7	30.2	5.9
Ann	57.0	29.2	43.2	100+	1954	Jul 13	68.7	1976	-42	1963	Jan 12	9.4	1979	8107	159	.0	3.5	221.4	43.2	203.0	19.4

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20 1971-2000

Station: SARATOGA, WY

COOP ID: 487990

Climate Division: WY10

NWS Call Sign:

Elevation: 6,790 Feet Lat: 41°27N

Lon: 106°49W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount											
		Means/Medians(1)		Extremes						Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution											
Month	Mean	Median	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95	
Jan	.45	.33	.75	1992	7	2.03	1980	.02	1983	5.1	1.5	.1	.0	.04	.07	.13	.19	.26	.34	.43	.55	.72	.99	1.26	
Feb	.46	.39	.81	1989	2	1.92	1989	.13	1983	4.9	1.6	.1	.0	.10	.14	.21	.27	.33	.39	.47	.56	.67	.86	1.04	
Mar	.73	.63	.96	1973	14	1.71	1988	.20	1997	6.1	2.6	.1	.0	.23	.30	.40	.49	.57	.66	.76	.87	1.01	1.23	1.44	
Apr	1.00	.87	1.26	1984	25	2.22	1984	.06	1989	7.3	3.1	.2	@	.19	.28	.42	.56	.70	.84	1.01	1.22	1.49	1.92	2.33	
May	1.61	1.59	1.90	1977	15	5.45	1995	.09	1974	9.7	4.6	.8	.1	.20	.33	.56	.79	1.02	1.29	1.59	1.97	2.48	3.32	4.13	
Jun	.93	.80	1.66	1970	12	3.01	1998	.00+	1981	6.0	2.7	.4	@	.00	.07	.23	.37	.52	.70	.90	1.15	1.49	2.06	2.62	
Jul	1.18	.99	1.73	1982	27	3.45	1984	.15	1979	7.5	3.1	.4	.1	.18	.28	.45	.62	.78	.97	1.18	1.44	1.78	2.34	2.88	
Aug	.90	.78	1.03	1984	15	2.29	1984	.22	1985	7.5	2.7	.2	@	.25	.33	.46	.58	.69	.81	.94	1.09	1.29	1.60	1.89	
Sep	.89	.70	1.61	1965	16	2.32	2000	.15	1979	6.3	2.8	.4	@	.20	.28	.41	.53	.65	.77	.91	1.08	1.31	1.66	2.00	
Oct	.98	.90	1.00	1972	21	3.24	1972	.01	1988	6.2	3.3	.4	@	.08	.14	.27	.41	.56	.73	.93	1.20	1.56	2.16	2.76	
Nov	.65	.59	.86	1973	3	2.28	1983	.00	1976	5.8	2.1	.2	.0	.08	.16	.27	.36	.45	.55	.66	.80	.97	1.25	1.52	
Dec	.45	.38	.68	1987	27	1.10	1978	.00	1977	5.0	1.7	@	.0	.06	.12	.19	.26	.32	.39	.46	.55	.67	.86	1.04	
Ann	10.23	9.87	1.90	May 1977	15	5.45	May 1995	.00+	Jun 1981	77.4	31.8	3.3	.2	6.60	7.28	8.16	8.83	9.44	10.03	10.65	11.34	12.18	13.41	14.49	

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: SARATOGA, WY

COOP ID: 487990

Climate Division: WY10

NWS Call Sign:

Elevation: 6,790 Feet

Lat: 41° 27N

Lon: 106° 49W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	9.6	7.8	3	3	11.0	1992	7	24.5	1980	17	1980	29	9	1988	5.0	4.2	.9	.3	@	21.0	12.6	6.9	1.1
Feb	8.3	6.8	3	2	16.0	1989	2	35.0	1989	18	1989	6	11	1989	4.7	3.7	.7	.2	@	18.8	11.8	4.7	.5
Mar	9.2	7.0	1	#	14.0	1988	11	26.5	1988	16	1988	12	7	1988	4.4	3.9	1.0	.4	.1	8.9	3.4	1.2	.4
Apr	6.9	6.1	#	#	8.0	1984	25	18.5	1984	8	1984	27	4	1984	3.3	3.0	1.0	.2	.0	2.8	1.3	.3	.0
May	1.9	.0	#	0	6.0	1978	17	10.0	1978	6	1978	17	#+	2000	.7	.7	.3	.1	.0	.2	.1	@	.0
Jun	.1	.0	#	0	2.0	1974	8	2.0	1974	#+	1998	17	#+	1998	@	@	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	1.1	.0	#	0	4.8	1999	28	12.0	2000	1	1996	26	#+	1996	.3	.3	.1	.0	.0	@	.0	.0	.0
Oct	4.5	3.5	#	#	10.0	1995	22	14.5	1995	9	1980	16	1	1998	2.0	1.8	.4	.2	@	1.9	.8	.2	.0
Nov	10.1	9.5	1	1	12.5	1983	21	41.1	1983	13+	1983	30	4	1993	4.3	3.5	1.2	.5	.1	10.2	4.9	1.6	.2
Dec	9.2	7.5	3	2	12.0	1982	24	21.0	1972	13+	1987	29	7	1983	4.6	3.6	1.0	.4	.1	19.0	11.5	5.7	.5
Ann	60.9	48.2	N/A	N/A	16.0	Feb 1989	2	41.1	Nov 1983	18	Feb 1989	6	11	Feb 1989	29.3	24.7	6.6	2.3	.3	82.8	46.4	20.6	2.7

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: SARATOGA, WY

COOP ID: 487990

Climate Division: WY10

NWS Call Sign:

Elevation: 6,790 Feet

Lat: 41° 27N

Lon: 106° 49W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/30	6/26	6/22	6/19	6/17	6/14	6/11	6/08	6/03
32	6/17	6/12	6/08	6/05	6/02	5/30	5/26	5/23	5/17
28	6/07	5/31	5/27	5/23	5/19	5/15	5/11	5/06	4/30
24	5/17	5/13	5/10	5/08	5/06	5/04	5/01	4/29	4/25
20	5/10	5/05	5/02	4/28	4/26	4/23	4/20	4/16	4/11
16	4/28	4/23	4/19	4/15	4/12	4/09	4/06	4/02	3/27
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/16	8/22	8/26	8/29	9/01	9/05	9/08	9/12	9/18
32	9/01	9/05	9/08	9/11	9/13	9/15	9/18	9/21	9/25
28	9/12	9/16	9/18	9/21	9/23	9/25	9/28	10/01	10/05
24	9/16	9/20	9/24	9/26	9/29	10/02	10/05	10/08	10/13
20	9/22	9/29	10/04	10/08	10/12	10/16	10/20	10/25	10/31
16	10/04	10/10	10/15	10/19	10/22	10/26	10/30	11/03	11/10
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	98	90	85	80	76	72	67	61	54
32	123	116	111	106	102	98	94	89	82
28	148	141	136	131	127	122	118	112	105
24	165	158	153	149	146	142	138	133	126
20	195	186	179	174	169	163	158	151	142
16	214	207	201	197	192	188	184	178	171

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: SARATOGA, WY

COOP ID: 487990

Climate Division: WY10

NWS Call Sign:

Elevation: 6,790 Feet Lat: 41° 27N

Lon: 106° 49W

Degree Days to Selected Base Temperatures (°F)

Base	Heating Degree Days (1)												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
Below													
65	1327	1104	979	713	448	173	42	71	292	637	1025	1296	8107
60	1172	964	824	563	297	80	6	16	165	482	875	1141	6585
57	1079	880	731	475	214	43	1	5	104	390	785	1048	5755
55	1017	824	669	419	165	26	0	2	71	329	725	986	5233
50	862	684	516	284	72	5	0	0	20	192	577	831	4043
32	338	221	92	21	0	0	0	0	0	4	152	304	1132

Cooling Degree Days (1)

Base	Cooling Degree Days (1)												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
Above													
32	34	41	135	298	576	844	1057	1003	702	390	117	31	5228
55	0	0	0	6	28	180	345	292	84	2	0	0	937
57	0	0	0	2	15	137	284	233	56	1	0	0	728
60	0	0	0	0	4	84	195	152	27	0	0	0	462
65	0	0	0	0	0	27	76	51	5	0	0	0	159
70	0	0	0	0	0	5	14	7	0	0	0	0	26

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	26	128	344	613	817	762	475	197	27	1	0	0	26	154	498	1111	1928	2690	3165	3362	3389	3390
45	0	0	4	55	212	463	662	607	335	94	2	0	0	0	4	59	271	734	1396	2003	2338	2432	2434	2434
50	0	0	0	15	105	319	507	452	208	31	0	0	0	0	0	15	120	439	946	1398	1606	1637	1637	1637
55	0	0	0	0	39	191	355	301	100	3	0	0	0	0	0	0	39	230	585	886	986	989	989	989
60	0	0	0	0	4	86	205	155	31	0	0	0	0	0	0	0	4	90	295	450	481	481	481	481
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	1	36	116	255	408	535	503	339	179	32	0	0	1	37	153	408	816	1351	1854	2193	2372	2404	2404

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20

1971-2000

Station: SHERIDAN AP, WY

COOP ID: 488155

Climate Division: WY 5

NWS Call Sign: SHR

Elevation: 3,964 Feet Lat: 44°46N

Lon: 106°58W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	33.0	9.7	21.3	70+	1974	15	32.5	1983	-35+	1997	12	4.0	1979	1351	0	.0	.0	4.1	13.1	30.2	8.6
Feb	39.0	14.9	26.9	76	1982	21	37.2	1992	-32	1989	3	13.8	1989	1078	0	.0	.0	6.7	8.3	27.0	4.6
Mar	48.2	22.5	35.3	77+	1994	16	43.3	1986	-23	1965	25	27.6	1996	925	0	.0	.0	14.8	3.7	26.9	1.4
Apr	57.5	30.4	43.9	86+	1992	29	50.4	1987	-2	1975	2	36.8	1997	628	1	.0	.0	21.7	1.0	17.4	.1
May	66.4	38.6	52.5	95	1960	12	58.3	1994	13	1954	3	48.5	1995	376	4	.0	.2	28.9	.0	4.6	.0
Jun	76.4	46.8	61.6	105	1988	26	72.7	1988	27	1951	3	55.1	1998	136	50	.3	3.0	29.8	.0	.2	.0
Jul	85.2	52.4	68.8	106+	1989	8	73.0	1988	35	1971	29	61.0	1993	31	165	1.1	11.1	31.0	.0	.0	.0
Aug	84.9	51.5	68.2	106	1983	7	75.4	1983	33	1993	31	63.0	1974	36	150	.7	11.5	31.0	.0	.0	.0
Sep	73.1	41.0	57.1	103	1983	1	64.0	1998	6	1984	25	50.1	1985	249	28	.1	2.7	28.7	.1	3.3	.0
Oct	59.8	30.3	45.1	92	1992	1	49.3	1988	-9	1991	30	38.6	1984	602	0	.0	@	25.2	.6	15.5	.1
Nov	43.4	18.5	31.0	81	1999	12	42.4	1999	-25	1959	16	13.1	1985	1004	0	.0	.0	11.1	5.9	27.3	1.9
Dec	34.4	10.4	22.4	72	1981	6	31.8	1999	-37	1983	24	5.0	1983	1305	0	.0	.0	4.9	11.5	30.2	6.6
Ann	58.4	30.6	44.5	106+	1989	8	75.4	1983	-37	1983	24	4.0	1979	7721	398	2.2	28.5	237.9	44.2	182.6	23.3

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20 1971-2000

Station: SHERIDAN AP, WY

COOP ID: 488155

Climate Division: WY 5

NWS Call Sign: SHR

Elevation: 3,964 Feet Lat: 44° 46N

Lon: 106° 58W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
		Means/Medians(1)		Extremes						Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Median	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	.77	.63	1.31	2000	11	2.24	2000	.07	1983	8.9	2.6	.1	@	.15	.22	.33	.44	.54	.66	.79	.94	1.15	1.48	1.79
Feb	.57	.48	.96	1954	26	1.52	1986	.05	1992	7.8	1.7	.1	.0	.09	.14	.22	.30	.38	.47	.57	.69	.86	1.13	1.39
Mar	1.00	.97	.90	1954	18	2.11	1984	.14	1978	10.2	3.6	.1	.0	.31	.40	.54	.66	.78	.90	1.03	1.19	1.40	1.71	2.01
Apr	1.77	1.63	2.76	1963	27	4.05	1973	.18	1980	11.0	5.2	.9	.1	.35	.51	.77	1.01	1.25	1.51	1.81	2.16	2.63	3.38	4.10
May	2.41	2.20	1.77	1981	16	6.80	1978	.29	1998	11.9	5.6	1.3	.3	.60	.83	1.18	1.49	1.80	2.13	2.49	2.92	3.48	4.38	5.21
Jun	2.02	1.92	1.90	1992	15	4.56	1975	.28	1971	10.6	4.9	1.2	.3	.47	.66	.95	1.22	1.48	1.76	2.08	2.45	2.95	3.73	4.47
Jul	1.11	.73	1.98	1952	12	3.31	1993	.02	1999	8.1	3.0	.6	@	.07	.14	.27	.42	.59	.79	1.03	1.34	1.77	2.49	3.21
Aug	.80	.65	1.03	1968	18	2.47	1998	.09	1995	6.5	2.3	.3	.0	.16	.23	.35	.46	.57	.68	.82	.98	1.19	1.53	1.86
Sep	1.38	1.14	2.02	1998	13	2.90	1982	.19	1975	7.2	3.5	.7	.2	.29	.42	.62	.81	.99	1.19	1.41	1.68	2.03	2.59	3.12
Oct	1.41	1.16	1.60	1974	30	3.41	1994	.27	1978	7.8	3.8	.7	.1	.34	.47	.68	.86	1.04	1.24	1.45	1.71	2.04	2.57	3.07
Nov	.80	.70	.85	1978	9	2.41	1991	.10	1981	7.8	2.6	.2	.0	.17	.24	.36	.47	.58	.69	.82	.97	1.18	1.50	1.81
Dec	.68	.60	.68	1989	14	2.41	1989	.10	1986	8.5	2.4	@	.0	.13	.19	.29	.38	.48	.58	.69	.83	1.01	1.30	1.58
Ann	14.72	15.08	2.76	Apr 1963	27	6.80	May 1978	.02	Jul 1999	106.3	41.2	6.2	1.0	11.11	11.82	12.73	13.42	14.02	14.60	15.20	15.86	16.65	17.79	18.77

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: SHERIDAN AP, WY

COOP ID: 488155

Climate Division: WY 5

NWS Call Sign: SHR

Elevation: 3,964 Feet

Lat: 44° 46N

Lon: 106° 58W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	12.5	10.7	4	4	12.5	2000	11	32.8	1994	19	1972	3	15	1979	9.8	4.1	1.0	.3	.1	23.7	16.4	11.1	3.4
Feb	9.8	8.8	4	2	9.6	1990	12	23.5	1986	20+	1978	17	17	1978	8.4	3.1	.7	.2	.0	18.4	11.6	7.4	3.2
Mar	11.6	10.1	1	1	9.4	1977	29	25.0	1977	17	1978	1	6	1978	9.3	4.1	1.0	.2	.0	10.9	4.7	1.9	.6
Apr	9.5	7.8	#	1	14.2	1991	12	37.5	1973	21	1984	28	3	1984	5.7	2.9	.9	.3	.1	3.0	1.8	1.4	.4
May	1.9	.0	#	1	7.2	1983	11	12.5	1979	9	1984	1	1	1984	1.0	.5	.2	.1	.0	.5	.3	.2	.0
Jun	.0	.0	#	0	.3	1998	2	.3	1998	0	0	0	#	1995	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	2.0	.0	#	0	12.9	1984	23	21.0	1984	12	1984	24	1+	1985	.9	.5	.2	.1	@	.6	.3	.1	@
Oct	5.8	4.5	#	0	13.0	1989	28	17.5	1989	9+	1993	9	1+	1993	3.3	1.5	.6	.3	.1	1.8	1.0	.5	.0
Nov	9.0	8.6	1	1	9.9	1986	6	22.1	1991	12	1978	13	9	1978	6.9	3.2	.7	.2	.0	10.4	5.1	2.1	.2
Dec	11.6	8.7	3	2	12.4	1989	14	43.5	1989	23+	1989	17	12	1978	8.5	3.8	1.1	.3	@	20.5	13.9	7.7	2.1
Ann	73.7	59.2	N/A	N/A	14.2	Apr 1991	12	43.5	Dec 1989	23+	Dec 1989	17	17	Feb 1978	53.8	23.7	6.4	2.0	.3	89.8	55.1	32.4	9.9

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States No. 20 1971-2000

Station: SHERIDAN AP, WY

COOP ID: 488155

Climate Division: WY 5

NWS Call Sign: SHR

Elevation: 3,964 Feet

Lat: 44° 46N

Lon: 106° 58W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/26	6/20	6/15	6/11	6/07	6/03	5/30	5/25	5/18
32	6/02	5/28	5/24	5/21	5/18	5/15	5/12	5/08	5/03
28	5/18	5/13	5/10	5/08	5/05	5/03	4/30	4/27	4/22
24	5/06	4/30	4/27	4/24	4/21	4/18	4/15	4/11	4/06
20	4/25	4/20	4/17	4/14	4/11	4/08	4/05	4/01	3/27
16	4/20	4/12	4/07	4/02	3/29	3/24	3/20	3/14	3/06
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/03	9/06	9/09	9/11	9/13	9/14	9/16	9/19	9/22
32	9/10	9/13	9/16	9/18	9/19	9/21	9/23	9/25	9/29
28	9/13	9/18	9/22	9/25	9/28	10/01	10/05	10/09	10/14
24	9/20	9/26	9/30	10/04	10/07	10/11	10/14	10/19	10/25
20	10/06	10/11	10/14	10/17	10/20	10/23	10/26	10/29	11/03
16	10/10	10/16	10/20	10/24	10/27	10/31	11/04	11/08	11/14
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	118	111	106	101	97	93	88	83	76
32	140	134	130	127	124	120	117	113	107
28	165	158	153	149	146	142	138	133	127
24	194	185	179	174	169	164	159	153	144
20	213	206	200	196	191	187	183	177	170
16	239	230	223	217	212	207	201	194	185

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: SHERIDAN AP, WY

COOP ID: 488155

Climate Division: WY 5

NWS Call Sign: SHR

Elevation: 3,964 Feet Lat: 44° 46N

Lon: 106° 58W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1351	1078	925	628	376	136	31	36	249	602	1004	1305	7721
60	1199	926	765	484	251	86	15	23	160	464	871	1164	6408
57	1106	842	672	398	178	51	6	11	108	373	781	1071	5597
55	1044	791	610	343	137	34	2	6	80	313	724	1009	5093
50	894	661	462	218	60	10	0	1	30	183	585	865	3969
32	411	266	80	9	0	0	0	0	0	5	189	390	1350

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	47	80	191	379	653	910	1164	1146	783	458	146	51	6008
55	0	0	1	14	68	238	452	434	165	22	1	0	1395
57	0	0	0	8	45	189	391	374	128	13	0	0	1148
60	0	0	0	4	22	125	302	287	81	6	0	0	827
65	0	0	0	1	4	50	165	150	28	0	0	0	398
70	0	0	0	0	0	15	63	58	8	0	0	0	144

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	5	25	65	186	418	680	924	907	554	250	55	11	5	30	95	281	699	1379	2303	3210	3764	4014	4069	4080
45	0	5	25	99	274	531	769	752	412	145	23	1	0	5	30	129	403	934	1703	2455	2867	3012	3035	3036
50	0	0	4	46	156	385	614	598	281	67	4	0	0	0	4	50	206	591	1205	1803	2084	2151	2155	2155
55	0	0	0	14	71	246	460	443	170	23	0	0	0	0	0	14	85	331	791	1234	1404	1427	1427	1427
60	0	0	0	3	26	132	310	297	85	6	0	0	0	0	0	3	29	161	471	768	853	859	859	859
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	8	27	69	154	274	424	578	565	367	203	58	18	8	35	104	258	532	956	1534	2099	2466	2669	2727	2745

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20

1971-2000

Station: SHERIDAN FIELD STN, WY

COOP ID: 488160

Climate Division: WY 5

NWS Call Sign:

Elevation: 3,750 Feet Lat: 44° 50N

Lon: 106° 50W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	33.4	6.7	20.1	70	1931	29	32.2	1981	-40	1997	12	4.9	1979	1393	0	.0	.0	3.0	12.8	30.9	11.0
Feb	38.7	11.7	25.2	80	1940	23	34.8	1992	-38	1936	17	12.4	1975	1115	0	.0	.0	5.3	8.2	27.8	6.0
Mar	47.7	20.7	34.2	80	1978	31	43.1	1986	-24+	1978	3	26.3	1996	955	0	.0	.0	13.8	3.9	29.0	2.0
Apr	57.9	29.8	43.9	88	1989	22	50.6	1987	-14	1936	2	35.0	1975	635	0	.0	.0	21.5	.8	19.8	.1
May	67.5	38.9	53.2	96+	1980	24	58.2	1994	16	1950	1	48.4	1996	372	6	.0	.4	28.8	.0	6.6	.0
Jun	77.9	48.2	63.1	106	1936	27	74.0	1988	28	1998	6	55.6	1998	136	76	.2	3.3	29.8	.0	.6	.0
Jul	87.2	53.1	70.2	107+	1959	25	74.5	1989	32	1971	29	62.7	1993	33	193	1.7	12.9	31.0	.0	@	.0
Aug	87.1	51.3	69.2	105+	2001	4	76.0	1983	29	1920	30	62.7	1974	50	179	.9	13.3	31.0	.0	.1	.0
Sep	75.4	40.6	58.0	104	1954	1	64.5	1998	4	1984	25	53.5	1986	240	30	.2	3.6	28.8	.0	6.2	.0
Oct	61.9	30.3	46.1	92+	1992	2	50.6	1979	-18	1991	30	42.6	1984	586	0	.0	.2	25.3	.7	21.1	.1
Nov	45.2	18.4	31.8	80+	1999	13	41.1	1999	-26	1985	23	15.9	1985	996	0	.0	.0	10.7	5.3	28.5	2.9
Dec	36.0	9.1	22.6	78	1939	5	31.3	1979	-44	1989	22	3.3	1983	1316	0	.0	.0	4.0	10.9	30.6	8.4
Ann	59.7	29.9	44.8	107+	Jul 1959	25	76.0	Aug 1983	-44	Dec 1989	22	3.3	Dec 1983	7827	484	3.0	33.7	233.0	42.6	201.2	30.5

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1920-2001

(3) Derived from 1971-2000 serially complete daily data

Climatology of the United States

No. 20 1971-2000

Station: SHERIDAN FIELD STN, WY

COOP ID: 488160

Climate Division: WY 5

NWS Call Sign:

Elevation: 3,750 Feet Lat: 44° 50N

Lon: 106° 50W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1)											
		Means/Medians(1)		Extremes						Daily Precipitation				Probability that the monthly/annual precipitation will be equal to or less than the indicated amount											
														Monthly/Annual Precipitation vs Probability Levels											
														These values were determined from the incomplete gamma distribution											
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95	
Jan	.51	.47	.60	1946	25	1.07	1977	.00+	1992	5.3	2.0	.1	.0	.00	.12	.23	.31	.38	.46	.54	.63	.76	.96	1.14	
Feb	.38	.36	.54	1945	15	.97	1986	.00+	1998	4.1	1.5	.0	.0	.00	.06	.14	.20	.26	.32	.39	.48	.59	.78	.95	
Mar	.86	.82	1.80	1946	21	2.19	1973	.12	1978	6.2	2.9	.1	@	.19	.27	.40	.51	.62	.74	.88	1.04	1.26	1.60	1.93	
Apr	1.56	1.23	2.77	1948	19	3.65	1971	.03	1987	8.3	4.6	.7	.1	.20	.33	.55	.76	.99	1.24	1.54	1.90	2.39	3.19	3.97	
May	2.68	2.37	2.18	1978	19	9.09	1978	.08	1998	10.8	6.5	1.6	.4	.57	.82	1.21	1.57	1.93	2.31	2.74	3.26	3.94	5.04	6.07	
Jun	2.49	2.40	4.30	1986	4	5.08	1986	.55+	1988	9.8	5.6	1.4	.4	.76	1.00	1.35	1.65	1.95	2.25	2.59	2.99	3.50	4.30	5.04	
Jul	1.25	.93	2.85	1948	14	4.96	1997	.00	1986	6.3	2.9	.7	.1	.03	.10	.26	.44	.64	.87	1.15	1.51	2.02	2.88	3.73	
Aug	.84	.80	1.95	1953	2	4.12	1998	.10	1995	5.5	2.3	.4	.0	.10	.17	.29	.41	.53	.67	.83	1.03	1.30	1.75	2.18	
Sep	1.38	1.23	2.30	1982	14	3.44	1973	.16	1975	6.5	3.7	.6	.1	.35	.48	.68	.86	1.04	1.22	1.43	1.67	1.99	2.50	2.97	
Oct	1.30	1.10	1.95	1974	31	3.16	1974	.29+	1987	6.3	3.6	.6	.1	.29	.41	.60	.77	.94	1.12	1.33	1.57	1.89	2.40	2.89	
Nov	.67	.55	1.23	1978	9	2.50	1978	.10	1981	4.7	2.2	.2	@	.13	.19	.29	.38	.47	.57	.68	.82	1.00	1.29	1.56	
Dec	.50	.48	.85	1937	13	1.57	1989	.00+	1993	5.2	1.9	@	.0	.00	.04	.12	.20	.28	.37	.48	.62	.80	1.11	1.42	
Ann	14.42	13.65	4.30	Jun 1986	4	9.09	May 1978	.00+	Feb 1998	79.0	39.7	6.4	1.2	10.30	11.10	12.12	12.90	13.59	14.25	14.94	15.70	16.62	17.95	19.10	

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1920-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: SHERIDAN FIELD STN, WY

COOP ID: 488160

Climate Division: WY 5

NWS Call Sign:

Elevation: 3,750 Feet

Lat: 44° 50N

Lon: 106° 50W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall ≥ Thresholds					Snow Depth ≥ Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	8.0	6.8	4	4	11.0	2000	12	21.5	1977	13	1984	21	11	1984	3.2	3.0	1.0	.3	.1	14.2	11.8	6.9	.7
Feb	3.8	3.5	3	2	7.0	1986	5	15.0	1978	13	1986	15	9	1993	2.2	1.8	.5	@	.0	12.0	9.3	7.0	1.4
Mar	6.1	5.0	1	1	8.0	1973	23	14.0	1973	11	1993	1	3	1985	2.4	2.0	.8	.2	.0	4.7	3.3	1.1	.2
Apr	5.1	3.0	1	#	10.0	1973	20	15.0	1997	24	1984	27	19	1984	1.5	1.4	.8	.3	@	1.8	1.5	.8	.2
May	.2	.0	#	0	2.0	1975	25	3.0	1995	2+	1995	14	#+	1995	.2	.1	.0	.0	.0	.2	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.2	.0	0	0	3.5	1982	14	3.5	1982	0	0	0	0	0	.1	@	@	.0	.0	.0	.0	.0	.0
Oct	1.7	.0	#	#	6.0	1993	9	8.0	1993	14	1996	27	2	1996	.6	.5	.1	.1	.0	.6	.4	.2	.0
Nov	5.4	5.7	1	1	7.0	1973	1	13.0	1979	9+	1996	3	6	1996	2.0	1.8	.7	.3	.0	5.4	3.3	1.1	.0
Dec	7.9	6.0	3	2	6.0	1972	4	19.5	1977	16	1983	30	14	1983	3.8	3.2	.8	.3	.0	11.6	7.6	5.6	1.0
Ann	38.4	30.0	N/A	N/A	11.0	Jan 2000	12	21.5	Jan 1977	24	Apr 1984	27	19	Apr 1984	16.0	13.8	4.7	1.5	.1	50.5	37.2	22.7	3.5

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States No. 20 1971-2000

Station: SHERIDAN FIELD STN, WY

COOP ID: 488160

Climate Division: WY 5

NWS Call Sign:

Elevation: 3,750 Feet

Lat: 44° 50N

Lon: 106° 50W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	7/04	6/27	6/22	6/18	6/13	6/09	6/05	5/31	5/23
32	6/18	6/11	6/05	6/01	5/28	5/23	5/19	5/14	5/06
28	5/27	5/21	5/17	5/13	5/10	5/06	5/03	4/29	4/23
24	5/16	5/10	5/06	5/03	4/29	4/26	4/23	4/19	4/13
20	5/02	4/26	4/22	4/19	4/16	4/13	4/09	4/05	3/31
16	4/22	4/16	4/12	4/08	4/05	4/02	3/29	3/25	3/19
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/21	8/26	8/30	9/03	9/06	9/09	9/12	9/16	9/22
32	8/30	9/04	9/07	9/10	9/13	9/16	9/19	9/23	9/28
28	9/10	9/15	9/18	9/21	9/24	9/27	9/30	10/03	10/08
24	9/13	9/19	9/23	9/27	9/30	10/03	10/07	10/11	10/17
20	9/28	10/04	10/08	10/12	10/16	10/19	10/23	10/28	11/03
16	10/08	10/14	10/18	10/21	10/24	10/27	10/31	11/04	11/09
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	104	97	92	88	84	80	75	70	63
32	132	124	118	113	108	103	98	92	84
28	157	150	145	141	137	132	128	123	116
24	178	170	163	158	153	148	142	136	127
20	207	199	193	187	182	177	172	166	157
16	224	216	211	206	202	197	192	187	179

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: SHERIDAN FIELD STN, WY

COOP ID: 488160

Climate Division: WY 5

NWS Call Sign:

Elevation: 3,750 Feet Lat: 44° 50N

Lon: 106° 50W

Degree Days to Selected Base Temperatures (°F)

Base	Heating Degree Days (1)												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
Below													
65	1393	1115	955	635	372	136	33	50	240	586	996	1316	7827
60	1238	975	800	487	237	63	9	16	135	431	846	1161	6398
57	1145	891	707	402	169	35	2	7	86	340	756	1068	5608
55	1083	835	645	348	130	22	1	3	60	281	702	1007	5117
50	930	707	498	225	58	5	0	0	19	154	561	863	4020
32	440	296	102	12	0	0	0	0	0	3	175	391	1419

Base	Cooling Degree Days (1)												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
Above													
32	70	105	170	367	657	930	1183	1152	779	441	170	98	6122
55	0	0	0	13	74	262	470	442	150	5	6	1	1423
57	0	0	0	8	50	215	410	384	115	2	0	0	1184
60	0	0	0	3	26	154	324	300	74	0	0	0	881
65	0	0	0	0	6	76	193	179	30	0	0	0	484
70	0	0	0	0	1	28	99	91	9	0	0	0	228

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	10	53	185	414	681	923	884	528	222	40	4	0	10	63	248	662	1343	2266	3150	3678	3900	3940	3944
45	0	0	18	96	277	531	768	729	387	121	11	0	0	0	18	114	391	922	1690	2419	2806	2927	2938	2938
50	0	0	2	46	163	387	614	575	261	55	2	0	0	0	2	48	211	598	1212	1787	2048	2103	2105	2105
55	0	0	0	14	80	252	459	421	152	17	0	0	0	0	0	14	94	346	805	1226	1378	1395	1395	1395
60	0	0	0	2	28	139	309	276	77	2	0	0	0	0	0	2	30	169	478	754	831	833	833	833
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	1	16	66	160	281	427	570	556	377	212	55	8	1	17	83	243	524	951	1521	2077	2454	2666	2721	2729

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20

1971-2000

Station: SNAKE RIVER, WY

COOP ID: 488315

Climate Division: WY 2

NWS Call Sign:

Elevation: 6,882 Feet Lat: 44°08N

Lon: 110°40W

Temperature (°F)

Mean (1)			Extremes											Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	25.7	-1.9	11.9	51	1974	16	18.4	1998	-43+	1985	31	1.3	1979	1647	0	.0	.0	@	24.5	31.0	16.8
Feb	31.3	.0	15.7	51+	1992	29	22.8	1995	-44	1982	5	5.2	1985	1383	0	.0	.0	.1	15.1	28.2	13.3
Mar	37.8	8.0	22.9	59	1999	20	30.5	1992	-36	1955	5	14.5	1976	1306	0	.0	.0	2.4	6.6	31.0	8.0
Apr	45.6	17.6	31.6	74+	1987	27	37.5	1987	-11+	1983	6	24.9	1975	1002	0	.0	.0	9.9	1.2	29.6	1.5
May	55.7	26.6	41.2	80+	1986	30	46.4	1987	1	1972	1	35.4	1975	740	0	.0	.0	23.3	.0	26.7	.0
Jun	66.6	33.2	49.9	92	1988	24	55.3	1988	20+	1991	15	45.3	1998	454	0	.0	.1	28.8	.0	15.0	.0
Jul	75.5	37.1	56.3	97	1951	18	59.3	1974	10	1955	14	48.0	1993	277	6	.0	.2	30.9	.0	6.3	.0
Aug	75.0	35.1	55.1	93	1971	14	61.4	1971	16+	1992	28	50.6	1975	314	5	.0	.3	30.9	.0	10.6	.0
Sep	65.2	26.4	45.8	89+	1998	8	52.8	1998	7	1983	20	41.1	1985	576	0	.0	.0	27.5	@	25.4	.0
Oct	52.2	18.5	35.4	76+	1992	2	40.9	1988	-12+	1972	31	29.2	1984	919	0	.0	.0	19.0	.9	30.3	.5
Nov	34.9	8.5	21.7	63+	1999	8	31.1	1999	-38	1955	16	14.0	1994	1299	0	.0	.0	2.4	12.4	29.8	7.6
Dec	26.0	-2.3	11.9	51	1999	1	20.4	1980	-46	1978	31	1.2	1990	1648	0	.0	.0	@	24.4	31.0	17.7
Ann	49.3	17.2	33.3	97	Jul 1951	18	61.4	Aug 1971	-46	Dec 1978	31	1.2	Dec 1990	11565	11	.0	.6	175.2	85.1	294.9	65.4

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Climatology of the United States

No. 20 1971-2000

Station: SNAKE RIVER, WY

COOP ID: 488315

Climate Division: WY 2

NWS Call Sign:

Elevation: 6,882 Feet Lat: 44°08N

Lon: 110°40W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
		Means/Medians(1)		Extremes						Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Median	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	3.92	3.81	2.20	1953	18	7.39	1999	.55	1992	19.5	11.7	2.0	.1	1.08	1.45	2.02	2.51	2.99	3.50	4.06	4.72	5.57	6.92	8.18
Feb	3.08	2.94	1.83	1997	1	8.55	1986	.90	1984	15.6	9.1	1.4	.2	.93	1.23	1.66	2.04	2.40	2.78	3.20	3.69	4.32	5.31	6.23
Mar	2.69	2.45	1.04+	1991	5	4.86	1995	.61	1994	15.6	8.9	.8	@	1.02	1.27	1.63	1.93	2.21	2.50	2.81	3.17	3.63	4.34	4.99
Apr	2.26	2.03	1.60	1981	2	4.22	1975	.70	1977	12.1	6.4	.7	.1	.90	1.11	1.41	1.65	1.88	2.11	2.36	2.65	3.02	3.59	4.10
May	2.74	2.44	1.32	1999	31	5.11	1996	.83	1992	12.8	7.9	1.2	.3	.96	1.22	1.59	1.91	2.21	2.52	2.86	3.25	3.75	4.53	5.24
Jun	2.31	2.15	1.80	1970	11	5.47	1998	.32	1988	12.2	6.1	1.2	.1	.85	1.07	1.38	1.64	1.89	2.14	2.41	2.73	3.14	3.77	4.34
Jul	1.68	1.50	2.00	1950	11	3.45	1985	.28	1974	9.8	5.0	.7	.1	.38	.53	.78	1.00	1.22	1.46	1.72	2.03	2.45	3.11	3.73
Aug	1.68	1.71	1.21	1977	26	3.16	1997	.17	1988	9.8	5.1	.7	.1	.46	.62	.86	1.07	1.28	1.50	1.74	2.03	2.40	2.99	3.53
Sep	1.79	1.95	1.70	1950	10	3.85	1973	.03	1987	8.8	5.0	.8	.1	.23	.38	.63	.88	1.15	1.44	1.77	2.19	2.75	3.67	4.56
Oct	1.96	2.05	1.24	1997	24	3.93	1983	.20	1987	8.7	5.4	1.0	.1	.50	.69	.97	1.23	1.47	1.74	2.03	2.37	2.82	3.54	4.20
Nov	3.39	3.17	1.56	1999	26	6.44	1995	.35	1976	15.2	9.1	1.9	.3	1.00	1.32	1.81	2.23	2.63	3.06	3.52	4.07	4.79	5.90	6.94
Dec	4.04	3.80	1.75	1948	12	11.90	1996	.70	1986	17.7	10.9	2.4	.3	.99	1.37	1.96	2.48	3.00	3.55	4.16	4.89	5.84	7.35	8.77
Ann	31.54	30.41	2.20	Jan 1953	18	11.90	Dec 1996	.03	Sep 1987	157.8	90.6	14.8	1.8	22.14	23.94	26.27	28.03	29.61	31.13	32.70	34.44	36.55	39.62	42.28

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: SNAKE RIVER, WY

COOP ID: 488315

Climate Division: WY 2

NWS Call Sign:

Elevation: 6,882 Feet

Lat: 44°08N

Lon: 110°40W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	52.5	49.2	45	42	16.5	1989	23	111.2	1999	78	1976	12	66	1978	17.1	14.4	8.0	3.9	.7	-9.9	-9.9	-9.9	-9.9
Feb	43.0	38.2	55	53	24.0	1986	13	85.0	1999	91	1997	15	85	1997	14.0	11.9	5.8	3.2	.5	-9.9	-9.9	-9.9	-9.9
Mar	34.2	23.5	58	60	14.0	1991	18	64.0+	1991	96+	1997	3	81+	1997	13.3	10.8	4.5	2.0	.3	-9.9	-9.9	-9.9	-9.9
Apr	19.8	19.6	44	47	15.5	1995	29	37.0	1993	87	1974	2	74	1982	8.0	6.3	2.7	1.0	.1	-9.9	-9.9	-9.9	-9.9
May	6.5	3.9	13	14	11.0	1975	7	26.6	1984	65	1975	7	40	1975	3.2	2.4	.9	.4	@	9.5	8.2	7.9	6.9
Jun	.5	.0	#	0	3.0	1981	14	4.0	1981	13	1975	1	1	1975	.4	.2	.1	.0	.0	.4	.2	.1	.1
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.2	.0	#	0	2.0	1981	26	2.0	1981	4	1982	29	#+	2000	.2	.2	.0	.0	.0	.1	.0	.0	.0
Oct	7.0	6.2	1	#	13.0	1975	26	28.0	1975	17	1984	28	4	1984	3.7	3.0	1.1	.4	@	4.0	2.2	1.2	@
Nov	38.5	39.2	10	10	17.0	1997	27	97.5	1988	39	1988	29	21	1984	13.0	10.7	5.6	2.9	.4	22.5	21.3	19.0	10.5
Dec	62.1	55.4	29	26	19.0	1994	5	154.0	1996	76	1996	27	45	1996	16.0	13.5	7.7	4.6	1.0	28.4	28.4	28.4	27.6
Ann	264.3	235.2	N/A	N/A	24.0	Feb 1986	13	154.0	Dec 1996	96+	Mar 1997	3	85	Feb 1997	88.9	73.4	36.4	18.4	3.0	-9.9	-9.9	-9.9	-9.9

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: SNAKE RIVER, WY

COOP ID: 488315

Climate Division: WY 2

NWS Call Sign:

Elevation: 6,882 Feet

Lat: 44° 08N

Lon: 110° 40W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/01	7/31	7/30	7/29	7/29	7/28	7/27	7/26	7/25
32	8/02	7/29	7/26	7/24	7/22	7/20	7/17	7/15	7/11
28	7/24	7/19	7/15	7/11	7/08	7/04	7/01	6/27	6/21
24	7/04	6/26	6/21	6/16	6/11	6/07	6/02	5/27	5/19
20	5/31	5/27	5/23	5/20	5/17	5/15	5/12	5/08	5/03
16	5/19	5/15	5/12	5/09	5/06	5/04	5/01	4/28	4/23
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	7/31	8/01	8/02	8/03	8/04	8/05	8/06	8/07	8/08
32	7/29	8/01	8/04	8/06	8/08	8/11	8/13	8/16	8/19
28	8/01	8/07	8/11	8/14	8/17	8/20	8/24	8/27	9/02
24	8/11	8/18	8/23	8/27	8/31	9/04	9/08	9/13	9/20
20	9/01	9/07	9/11	9/14	9/17	9/20	9/23	9/27	10/02
16	9/09	9/16	9/20	9/24	9/28	10/01	10/05	10/10	10/16
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	12	10	8	7	5	4	3	1	0
32	34	28	24	20	17	13	10	6	0
28	63	55	49	44	40	35	30	24	16
24	111	100	93	86	80	74	67	59	49
20	145	137	131	126	122	117	112	107	99
16	165	158	153	148	144	139	135	129	122

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: SNAKE RIVER, WY

COOP ID: 488315

Climate Division: WY 2

NWS Call Sign:

Elevation: 6,882 Feet Lat: 44°08N

Lon: 110°40W

Degree Days to Selected Base Temperatures (°F)

Base	Heating Degree Days (1)												
	Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
65	1647	1383	1306	1002	740	454	277	314	576	919	1299	1648	11565
60	1492	1243	1151	852	585	307	146	180	428	764	1149	1493	9790
57	1399	1159	1058	762	492	225	90	118	342	671	1059	1400	8775
55	1337	1103	996	702	431	176	59	85	287	609	999	1338	8122
50	1182	963	841	552	284	80	14	28	167	454	849	1183	6597
32	624	463	304	106	10	0	0	0	1	48	340	629	2525

Base	Cooling Degree Days (1)												
	Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
32	0	4	21	94	292	537	752	714	415	152	31	3	3015
55	0	0	0	0	1	23	98	86	11	0	0	0	219
57	0	0	0	0	0	12	67	58	6	0	0	0	143
60	0	0	0	0	0	4	30	27	2	0	0	0	63
65	0	0	0	0	0	0	6	5	0	0	0	0	11
70	0	0	0	0	0	0	0	0	0	0	0	0	0

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	0	16	116	327	535	489	216	38	0	0	0	0	0	16	132	459	994	1483	1699	1737	1737	1737
45	0	0	0	1	40	190	381	334	105	5	0	0	0	0	0	1	41	231	612	946	1051	1056	1056	1056
50	0	0	0	0	5	93	234	193	33	0	0	0	0	0	0	0	5	98	332	525	558	558	558	558
55	0	0	0	0	0	28	97	75	6	0	0	0	0	0	0	0	0	28	125	200	206	206	206	206
60	0	0	0	0	0	1	20	14	0	0	0	0	0	0	0	0	0	1	21	35	35	35	35	35
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	0	43	132	279	422	412	255	104	4	0	0	0	0	43	175	454	876	1288	1543	1647	1651	1651

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20

1971-2000

Station: SOUTH PASS CITY, WY

COOP ID: 488385

Climate Division: WY10

NWS Call Sign:

Elevation: 7,840 Feet Lat: 42° 28N

Lon: 108° 48W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	24.0	.3	12.2	70	1949	11	17.9	1994	-45	1922	19	2.0	1979	1639	0	.0	.0	@	23.2	30.9	14.3
Feb	28.0	.8	14.4	53	1932	26	22.1	2000	-39+	1922	2	6.8	1989	1417	0	.0	.0	.1	16.7	28.3	10.0
Mar	33.9	8.5	21.2	72	1979	11	27.9	1986	-33	1943	2	14.7	1976	1358	0	.0	.0	1.2	11.2	30.9	4.0
Apr	45.3	15.9	30.6	75	1977	27	37.1	1992	-22	1920	4	22.6	1975	1033	0	.0	.0	11.5	1.8	27.3	.4
May	57.1	25.2	41.2	78	1936	30	47.0	1994	0	1927	29	36.9	1983	739	0	.0	.0	26.0	.1	24.7	.0
Jun	68.1	32.1	50.1	89	1970	25	56.7	1988	6	1943	3	46.2	1976	448	1	.0	.0	29.4	.0	9.4	.0
Jul	75.5	37.4	56.5	97	1939	9	60.4	1998	18	1921	4	48.2	1993	273	7	.0	.0	31.0	.0	2.6	.0
Aug	74.4	36.0	55.2	90	1940	13	59.4	1994	15	1932	31	50.9	1993	309	5	.0	.0	31.0	.0	3.9	.0
Sep	64.5	27.8	46.2	84+	1998	5	53.3	1998	-5	1926	25	41.2	1971	566	0	.0	.0	28.3	.1	19.7	.0
Oct	52.3	20.3	36.3	80	1976	1	42.1	1988	-26	1935	31	30.9	1984	891	0	.0	.0	21.0	.8	27.7	.4
Nov	35.0	8.6	21.8	65	1927	10	31.7	1999	-30+	1937	27	13.2	2000	1296	0	.0	.0	4.6	9.0	29.8	5.9
Dec	26.3	1.9	14.1	62	1939	10	23.1	1980	-46	1924	19	6.2	1990	1578	0	.0	.0	.8	17.5	31.0	13.3
Ann	48.7	17.9	33.3	97	Jul 1939	9	60.4	Jul 1998	-46	Dec 1924	19	2.0	Jan 1979	11547	13	.0	.0	184.9	80.4	266.2	48.3

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1915-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20 1971-2000

Station: SOUTH PASS CITY, WY

COOP ID: 488385

Climate Division: WY10

NWS Call Sign:

Elevation: 7,840 Feet Lat: 42°28N

Lon: 108°48W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1)											
														Probability that the monthly/annual precipitation will be equal to or less than the indicated amount											
Means/Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels												
													These values were determined from the incomplete gamma distribution												
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95	
Jan	1.69	1.25	2.30	1949	11	7.62	1972	.05	1992	8.8	4.5	.5	.2	.24	.38	.62	.86	1.10	1.37	1.68	2.06	2.58	3.41	4.22	
Feb	1.01	.76	1.17	1976	9	2.45	1986	.00	1991	5.1	2.3	.4	@	.10	.22	.39	.54	.69	.85	1.03	1.25	1.53	2.00	2.44	
Mar	1.46	1.46	1.18	1978	5	3.74	1997	.13	1999	8.6	2.9	.4	.1	.41	.55	.76	.94	1.12	1.30	1.51	1.75	2.07	2.56	3.02	
Apr	1.44	1.50	1.37+	1945	13	3.25	1999	.21	1992	9.7	4.4	.3	@	.47	.61	.81	.98	1.15	1.32	1.50	1.72	2.01	2.44	2.85	
May	2.18	1.97	2.00	1952	16	4.66	1981	.35	1994	10.3	4.9	.7	.1	.68	.89	1.19	1.46	1.71	1.98	2.27	2.61	3.05	3.73	4.37	
Jun	1.15	.98	1.49	1947	11	3.67	1993	.00	1979	7.7	2.8	.3	.1	.13	.27	.47	.63	.80	.98	1.18	1.42	1.74	2.25	2.73	
Jul	.93	.83	1.82	1926	9	2.42	1993	.00	1980	8.2	2.5	.4	@	.14	.26	.42	.55	.68	.82	.97	1.14	1.38	1.75	2.10	
Aug	.90	.75	1.29	1933	26	3.48	1979	.12	1985	6.0	2.7	.3	@	.12	.19	.32	.45	.58	.72	.89	1.10	1.39	1.85	2.30	
Sep	1.17	1.06	1.60	1978	18	4.00	1973	.02	1979	5.3	2.8	.3	@	.12	.21	.37	.53	.71	.91	1.14	1.43	1.83	2.48	3.13	
Oct	1.18	1.18	1.50+	1998	4	2.57	1994	.06	1978	4.3	2.2	.3	.1	.23	.33	.51	.67	.83	1.00	1.20	1.44	1.76	2.27	2.75	
Nov	1.07	.94	1.09	1942	20	2.42	1994	.00	1976	8.3	2.7	.2	.0	.16	.30	.49	.63	.78	.94	1.11	1.32	1.59	2.01	2.41	
Dec	1.35	1.00	1.44	1964	22	5.96	1996	.12	1986	8.2	3.1	.3	@	.13	.23	.42	.60	.81	1.04	1.31	1.64	2.11	2.88	3.63	
Ann	15.53	15.31	2.30	Jan 1949	11	7.62	Jan 1972	.00+	Feb 1991	90.5	37.8	4.4	.6	10.27	11.26	12.54	13.53	14.41	15.27	16.16	17.16	18.37	20.14	21.68	

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1915-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: SOUTH PASS CITY, WY

COOP ID: 488385

Climate Division: WY10

NWS Call Sign:

Elevation: 7,840 Feet

Lat: 42° 28N

Lon: 108° 48W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	17.1	16.3	21	13	10.0	1976	9	33.5	1997	69	1979	31	62	1979	8.4	7.0	3.1	1.2	.1	-9.9	-9.9	-9.9	-9.9
Feb	14.3	15.2	17	17	14.0	1976	9	27.5	1976	74	1979	7	67	1979	5.7	4.7	2.3	.9	.2	-9.9	-9.9	-9.9	-9.9
Mar	16.8	16.8	12	9	28.1	1980	30	28.1	1980	63	1979	2	42	1979	7.2	5.2	1.9	1.1	.2	-9.9	-9.9	-9.9	-9.9
Apr	12.4	13.9	3	#	15.0	1999	24	22.2	1995	26	1979	12	13	1979	6.9	4.9	1.6	.5	.2	-9.9	-9.9	-9.9	-9.9
May	11.6	7.9	1	#	18.6	1978	5	46.4	1978	47	1978	7	11	1978	3.5	3.1	1.5	.7	.1	2.3	1.7	1.3	.8
Jun	.5	.0	#	0	2.0	1993	3	2.0+	1995	#+	1995	9	#+	1995	.5	.3	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	1.4	.0	#	0	12.0	2000	23	12.0	2000	14	2000	24	1	2000	.8	.5	.3	.1	.1	.3	.1	.0	.0
Oct	8.4	6.0	1	#	22.0	1976	26	25.5	1976	20	1976	26	3+	1998	3.1	2.1	.9	.6	.2	2.5	.8	.6	.3
Nov	9.4	10.1	3	2	8.2	1978	10	24.0	1978	19	1978	26	12	1978	4.9	3.7	1.6	.6	.0	-9.9	-9.9	-9.9	-9.9
Dec	15.5	13.8	9	5	12.0	1994	5	35.5	1992	50	1978	31	38	1978	7.3	5.9	2.8	1.1	.3	-9.9	-9.9	-9.9	-9.9
Ann	107.4	100.0	N/A	N/A	28.1	Mar 1980	30	46.4	May 1978	74	Feb 1979	7	67	Feb 1979	48.3	37.4	16.0	6.8	1.4	-9.9	-9.9	-9.9	-9.9

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: SOUTH PASS CITY, WY

COOP ID: 488385

Climate Division: WY10

NWS Call Sign:

Elevation: 7,840 Feet

Lat: 42° 28N

Lon: 108° 48W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/01	7/26	7/22	7/19	7/15	7/12	7/08	7/04	6/28
32	7/24	7/15	7/08	7/02	6/27	6/22	6/16	6/10	5/31
28	7/05	6/27	6/21	6/16	6/12	6/07	6/03	5/28	5/20
24	6/24	6/16	6/10	6/05	6/01	5/27	5/22	5/16	5/08
20	6/12	6/04	5/29	5/24	5/20	5/15	5/10	5/04	4/26
16	5/27	5/19	5/14	5/09	5/05	4/30	4/25	4/20	4/12
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	7/31	8/04	8/08	8/12	8/15	8/18	8/22	8/26	9/01
32	8/04	8/10	8/15	8/19	8/23	8/26	8/30	9/04	9/11
28	8/14	8/20	8/24	8/28	9/01	9/04	9/08	9/12	9/18
24	8/25	8/31	9/04	9/08	9/12	9/15	9/19	9/23	9/29
20	9/05	9/11	9/15	9/19	9/22	9/26	9/29	10/04	10/10
16	9/10	9/18	9/23	9/28	10/02	10/07	10/11	10/17	10/25
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	60	50	42	36	30	24	18	10	0
32	98	84	73	64	56	47	38	28	14
28	113	102	93	87	80	74	67	58	47
24	136	124	116	109	102	95	88	80	68
20	159	148	139	132	125	118	111	102	90
16	185	173	164	157	150	143	136	127	115

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: SOUTH PASS CITY, WY

COOP ID: 488385

Climate Division: WY10

NWS Call Sign:

Elevation: 7,840 Feet Lat: 42° 28N

Lon: 108° 48W

Degree Days to Selected Base Temperatures (°F)

Base	Heating Degree Days (1)												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
Below													
65	1639	1417	1358	1033	739	448	273	309	566	891	1296	1578	11547
60	1484	1277	1203	883	584	305	145	176	418	736	1146	1423	9780
57	1391	1193	1110	793	491	226	90	114	332	643	1056	1330	8769
55	1329	1137	1048	733	429	179	60	81	277	581	996	1268	8118
50	1174	997	893	583	281	86	15	26	157	426	846	1113	6597
32	616	493	346	141	9	0	0	0	0	36	329	562	2532

Cooling Degree Days (1)

Base	Cooling Degree Days (1)												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
Above													
32	0	0	11	98	294	542	757	719	424	169	24	7	3045
55	0	0	0	0	1	32	104	88	11	0	0	0	236
57	0	0	0	0	0	19	72	59	6	0	0	0	156
60	0	0	0	0	0	7	34	27	2	0	0	0	70
65	0	0	0	0	0	1	7	5	0	0	0	0	13
70	0	0	0	0	0	0	0	0	0	0	0	0	0

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	0	35	145	422	636	561	261	85	2	0	0	0	0	35	180	602	1238	1799	2060	2145	2147	2147
45	0	0	0	9	60	285	481	408	145	25	0	0	0	0	0	9	69	354	835	1243	1388	1413	1413	1413
50	0	0	0	0	12	164	330	256	55	2	0	0	0	0	0	0	12	176	506	762	817	819	819	819
55	0	0	0	0	0	74	187	118	10	0	0	0	0	0	0	0	0	74	261	379	389	389	389	389
60	0	0	0	0	0	29	76	30	0	0	0	0	0	0	0	0	0	29	105	135	135	135	135	135
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	1	43	157	303	435	410	260	124	11	0	0	0	1	44	201	504	939	1349	1609	1733	1744	1744

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20

1971-2000

Station: SUNDANCE, WY

COOP ID: 488705

Climate Division: WY 6

NWS Call Sign:

Elevation: 4,750 Feet Lat: 44° 24N

Lon: 104° 23W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	30.8	7.3	19.1	65	1981	23	30.4	1981	-39	1916	12	5.9	1979	1423	0	.0	.0	1.0	13.7	30.4	7.7
Feb	35.7	12.5	24.1	66	1932	26	33.5	1992	-42	1936	8	11.0	1989	1145	0	.0	.0	2.8	8.4	27.4	4.3
Mar	44.5	20.7	32.6	74	1993	24	39.7	1986	-24	1945	5	24.1	1996	1004	0	.0	.0	12.0	5.0	27.0	1.7
Apr	54.5	29.6	42.1	84	1992	30	48.2	1987	-11	1945	3	35.2	1997	689	0	.0	.0	20.5	1.2	18.3	.1
May	65.5	39.2	52.4	101	1934	28	57.3	1994	0+	1929	20	47.4	1996	396	4	.0	.1	28.5	.0	5.6	.0
Jun	76.6	48.2	62.4	100	1961	29	71.8	1988	25	1919	2	55.3	1998	147	67	.0	1.5	29.8	.0	.4	.0
Jul	84.5	53.9	69.2	105	1936	5	73.1	1988	30	1993	10	61.9	1993	42	172	.2	6.3	31.0	.0	@	.0
Aug	83.2	52.7	68.0	101+	2001	6	74.8	1983	31	1966	22	62.4	1974	67	157	@	4.1	31.0	.0	.0	.0
Sep	72.2	42.3	57.3	99+	1933	4	63.0	1990	0	1917	18	51.4	1986	260	28	.0	1.0	28.8	.1	3.4	.0
Oct	59.6	31.6	45.6	89	1932	1	48.8	1973	-17	1925	27	41.9	1971	601	0	.0	.0	24.1	.8	13.8	@
Nov	41.8	18.8	30.3	77	1917	7	43.2	1999	-23+	1959	17	15.3	1985	1041	0	.0	.0	8.3	6.8	25.6	1.5
Dec	32.8	10.1	21.5	65	1923	15	29.9	1999	-40	1983	24	7.1	1983	1351	0	.0	.0	2.1	13.0	29.7	5.1
Ann	56.8	30.6	43.7	105	Jul 1936	5	74.8	Aug 1983	-42	Feb 1936	8	5.9	Jan 1979	8166	428	.2	13.0	219.9	49.0	181.6	20.4

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1915-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20 1971-2000

Station: SUNDANCE, WY

COOP ID: 488705

Climate Division: WY 6

NWS Call Sign:

Elevation: 4,750 Feet Lat: 44°24N

Lon: 104°23W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1)											
														Probability that the monthly/annual precipitation will be equal to or less than the indicated amount											
Means/Medians(1)		Extremes								Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels											
														These values were determined from the incomplete gamma distribution											
Month	Mean	Median	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95	
Jan	.69	.56	1.14	1949	5	1.91	1994	.23	1973	8.8	2.4	.1	.0	.19	.25	.35	.44	.53	.62	.72	.83	.99	1.23	1.46	
Feb	.68	.61	1.00	1939	11	1.91	1997	.00	1983	6.9	2.2	.1	.0	.09	.18	.30	.39	.49	.59	.70	.83	1.01	1.29	1.55	
Mar	.97	.98	1.60	1929	14	2.35	1996	.15	1981	9.2	3.0	.2	@	.27	.36	.50	.62	.74	.87	1.01	1.17	1.38	1.71	2.02	
Apr	2.29	2.35	1.82	1997	6	4.69	1997	.34	1987	11.0	5.7	1.4	.3	.55	.76	1.10	1.40	1.69	2.00	2.35	2.77	3.31	4.17	4.98	
May	2.76	2.80	2.60	1995	8	6.00	1995	.97	1979	11.8	6.8	1.7	.3	.98	1.24	1.61	1.93	2.23	2.54	2.88	3.28	3.78	4.56	5.27	
Jun	3.07	3.07	2.73	1940	3	6.76	1993	.45	1987	11.3	6.3	1.8	.6	.79	1.08	1.53	1.92	2.31	2.72	3.17	3.71	4.41	5.52	6.56	
Jul	2.13	1.78	2.32	1954	16	4.89	1981	.35	1975	10.0	4.9	1.5	.3	.64	.84	1.14	1.40	1.66	1.92	2.22	2.56	3.01	3.70	4.35	
Aug	1.65	1.58	2.80	1964	21	4.25	1999	.21	1991	7.7	3.8	1.1	.2	.30	.45	.69	.92	1.14	1.39	1.67	2.01	2.45	3.18	3.86	
Sep	1.31	1.10	1.64	1986	24	5.16	1986	.14	1990	6.5	3.1	.7	.2	.19	.30	.48	.67	.86	1.06	1.30	1.60	1.99	2.64	3.26	
Oct	1.56	1.04	3.25	1994	6	6.10	1998	.00	1999	6.9	3.6	.8	.2	.14	.32	.57	.80	1.03	1.29	1.58	1.93	2.40	3.15	3.88	
Nov	.94	.75	1.87	2000	1	4.35	2000	.24	1981	7.6	3.0	.2	@	.23	.32	.45	.58	.70	.83	.97	1.14	1.36	1.72	2.05	
Dec	.73	.70	.80	1916	13	1.83	1996	.01	1994	8.5	2.8	.0	.0	.11	.17	.27	.38	.48	.60	.73	.90	1.12	1.48	1.83	
Ann	18.78	18.74	3.25	Oct 1994	6	6.76	Jun 1993	.00+	Oct 1999	106.2	47.6	9.6	2.1	12.77	13.91	15.39	16.52	17.52	18.50	19.51	20.64	22.00	24.00	25.73	

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1915-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: SUNDANCE, WY

COOP ID: 488705

Climate Division: WY 6

NWS Call Sign:

Elevation: 4,750 Feet

Lat: 44° 24N

Lon: 104° 23W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	11.7	10.0	8	7	8.0	1983	9	31.8	1994	30	1994	19	23	1994	8.1	4.7	1.1	.4	.0	26.6	22.6	18.3	8.7
Feb	11.0	11.5	7	5	20.0	1998	26	27.8	1998	37	1994	2	28	1994	5.7	3.4	1.3	.4	@	21.0	16.3	12.4	5.6
Mar	12.2	11.2	3	2	14.0	1973	14	28.5	1996	23	1979	3	9	1979	6.8	4.4	1.2	.5	@	11.8	7.7	5.6	2.0
Apr	14.0	12.0	1	1	16.0	1997	5	40.0	1984	25	1984	27	6	1997	5.2	3.7	1.9	1.1	.2	4.4	2.4	1.5	.6
May	2.2	.5	#	0	12.0	1978	7	19.0	1978	10	1984	1	1	1984	.7	.6	.3	.2	@	.5	.2	.1	@
Jun	.1	.0	#	0	2.0	1976	14	2.0	1976	#	1995	9	#	1995	.1	.1	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.5	.0	#	0	3.0	1996	25	4.0	1995	2+	2000	23	#+	2000	.3	.3	@	.0	.0	.2	.0	.0	.0
Oct	5.2	2.3	#	#	12.0	1982	9	21.0	1971	8+	1996	26	1	1996	2.3	1.9	.7	.3	.1	2.4	1.4	.6	.0
Nov	10.4	11.0	2	1	10.0	1977	19	20.5	1978	12	1978	30	6	1985	5.9	3.7	1.1	.6	@	11.1	6.1	3.4	.3
Dec	14.0	12.9	5	3	7.0	1980	1	30.0	1996	24	1985	24	16	1985	7.2	4.8	1.5	.5	.0	20.5	14.4	10.8	5.2
Ann	81.3	71.4	N/A	N/A	20.0	Feb 1998	26	40.0	Apr 1984	37	Feb 1994	2	28	Feb 1994	42.3	27.6	9.1	4.0	.3	98.5	71.1	52.7	22.4

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: SUNDANCE, WY

COOP ID: 488705

Climate Division: WY 6

NWS Call Sign:

Elevation: 4,750 Feet

Lat: 44° 24N

Lon: 104° 23W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	7/02	6/24	6/19	6/14	6/10	6/05	5/31	5/26	5/18
32	6/16	6/10	6/05	6/01	5/28	5/24	5/20	5/16	5/09
28	5/19	5/15	5/12	5/09	5/06	5/04	5/01	4/28	4/23
24	5/09	5/05	5/02	4/29	4/26	4/24	4/21	4/18	4/14
20	5/04	4/29	4/25	4/21	4/18	4/15	4/11	4/07	4/02
16	4/25	4/17	4/12	4/08	4/04	3/31	3/26	3/21	3/14
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/02	9/05	9/08	9/10	9/12	9/14	9/16	9/19	9/22
32	9/09	9/12	9/15	9/17	9/19	9/21	9/23	9/25	9/28
28	9/14	9/19	9/23	9/26	9/30	10/03	10/06	10/10	10/15
24	9/20	9/26	9/30	10/04	10/08	10/11	10/15	10/20	10/26
20	9/28	10/03	10/08	10/11	10/15	10/18	10/22	10/26	11/01
16	10/11	10/17	10/22	10/26	10/29	11/02	11/06	11/10	11/17
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	119	111	104	99	94	88	83	77	68
32	135	127	122	117	113	108	104	98	91
28	167	160	154	150	145	141	136	131	124
24	188	179	173	168	164	159	154	148	139
20	204	195	189	184	179	174	169	163	154
16	234	225	218	213	208	203	197	191	182

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: SUNDANCE, WY

COOP ID: 488705

Climate Division: WY 6

NWS Call Sign:

Elevation: 4,750 Feet Lat: 44° 24N

Lon: 104° 23W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1423	1145	1004	689	396	147	42	67	260	601	1041	1351	8166
60	1268	1005	849	539	257	70	12	24	152	446	891	1196	6709
57	1175	921	756	452	184	39	4	12	101	355	801	1103	5903
55	1113	865	694	395	142	25	1	6	73	295	741	1041	5391
50	958	725	541	263	64	6	0	1	25	165	602	886	4236
32	442	282	116	16	0	0	0	0	0	5	194	381	1436

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	41	61	134	317	630	911	1153	1114	757	427	143	53	5741
55	0	0	0	6	60	246	441	407	140	4	0	0	1304
57	0	0	0	3	39	200	382	350	108	2	0	0	1084
60	0	0	0	0	19	141	297	270	70	0	0	0	797
65	0	0	0	0	4	67	172	157	28	0	0	0	428
70	0	0	0	0	0	24	85	77	9	0	0	0	195

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	7	51	167	396	668	894	868	546	240	44	3	0	7	58	225	621	1289	2183	3051	3597	3837	3881	3884
45	0	0	16	86	260	518	739	713	407	137	15	0	0	0	16	102	362	880	1619	2332	2739	2876	2891	2891
50	0	0	0	38	149	375	584	558	282	62	2	0	0	0	0	38	187	562	1146	1704	1986	2048	2050	2050
55	0	0	0	12	70	243	431	403	169	19	0	0	0	0	0	12	82	325	756	1159	1328	1347	1347	1347
60	0	0	0	1	24	133	282	261	85	4	0	0	0	0	0	1	25	158	440	701	786	790	790	790
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	8	46	127	249	415	574	560	355	172	33	1	0	8	54	181	430	845	1419	1979	2334	2506	2539	2540

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20

1971-2000

Station: SUNSHINE 3 NE, WY

COOP ID: 488758

Climate Division: WY 4

NWS Call Sign:

Elevation: 6,300 Feet Lat: 44°04N

Lon: 108°58W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	33.8	5.8	19.8	65	1965	17	29.5	1981	-36	1980	28	3.9	1979	1402	0	.0	.0	3.7	11.0	30.5	9.3
Feb	38.0	9.2	23.6	65	1971	13	31.3	1991	-39	1989	3	9.5	1989	1160	0	.0	.0	5.4	6.9	28.0	5.8
Mar	43.3	16.3	29.8	72	1966	31	38.3	1986	-31	1965	18	22.2	1996	1091	0	.0	.0	10.6	4.2	30.7	2.1
Apr	50.3	23.0	36.7	78+	2000	29	43.4	1987	-9	1973	9	29.9	1975	850	0	.0	.0	18.4	1.4	26.3	.4
May	60.0	32.3	46.2	86	1972	31	51.0	1987	2	1967	4	41.4	1995	585	0	.0	.0	26.7	.1	16.2	.0
Jun	70.3	39.5	54.9	98	1977	7	61.5	1988	22	2000	1	48.4	1998	311	7	.0	.2	29.5	.0	4.0	.0
Jul	77.7	44.2	61.0	93+	1998	19	65.0	1988	27	1986	6	53.3	1993	159	34	.0	.8	31.0	.0	.5	.0
Aug	77.0	43.6	60.3	93	1979	5	66.1	1971	25+	1985	21	55.9	1993	173	28	.0	.3	31.0	.0	1.3	.0
Sep	66.8	34.4	50.6	87+	1998	8	57.5	1998	-5	1965	18	44.5	1985	435	3	.0	.0	27.8	.2	11.6	@
Oct	56.4	25.5	41.0	81	1992	1	46.7	1988	-10	1991	30	36.3	1971	745	0	.0	.0	23.7	.9	26.2	.3
Nov	41.3	13.9	27.6	69+	2001	10	37.9	1999	-28	1975	30	16.5	1985	1121	0	.0	.0	8.8	6.8	29.3	3.3
Dec	34.6	7.1	20.9	68	1980	16	32.6	1980	-40+	1990	21	8.9	1983	1369	0	.0	.0	4.1	10.7	30.6	7.9
Ann	54.1	24.6	39.4	98	Jun 1977	7	66.1	Aug 1971	-40+	Dec 1990	21	3.9	Jan 1979	9401	72	.0	1.3	220.7	42.2	235.2	29.1

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1963-2001

(3) Derived from 1971-2000 serially complete daily data

Climatology of the United States

No. 20 1971-2000

Station: SUNSHINE 3 NE, WY

COOP ID: 488758

Climate Division: WY 4

NWS Call Sign:

Elevation: 6,300 Feet Lat: 44°04N

Lon: 108°58W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1)										
														Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
Means/Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels											
													These values were determined from the incomplete gamma distribution											
Month	Mean	Median	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	.37	.29	.68	1995	27	1.27	1975	.00+	1985	2.7	1.5	.1	.0	.00	.00	.11	.18	.24	.31	.38	.47	.59	.78	.96
Feb	.33	.23	.69	1978	20	1.14	1978	.00	1990	2.9	1.4	.1	.0	.02	.05	.10	.15	.20	.26	.32	.41	.53	.72	.91
Mar	.94	.70	1.18	1981	27	2.42	1981	.04	1999	5.0	3.3	.3	@	.14	.21	.35	.48	.61	.76	.94	1.15	1.43	1.90	2.34
Apr	1.60	1.39	1.75	1976	26	4.13	1971	.40+	1996	6.5	4.8	.8	.2	.33	.48	.71	.93	1.14	1.37	1.63	1.95	2.36	3.02	3.65
May	2.90	2.43	2.15	1978	18	8.76	1978	.48	1984	8.4	6.3	1.9	.5	.53	.79	1.22	1.61	2.01	2.45	2.94	3.54	4.33	5.61	6.82
Jun	2.02	1.58	1.89	1992	15	5.24	1992	.52+	1996	8.4	6.0	1.1	.2	.37	.55	.85	1.12	1.40	1.70	2.05	2.46	3.02	3.90	4.75
Jul	1.60	1.43	1.30	1975	7	3.54	1981	.12	1974	6.9	4.7	.7	.1	.16	.28	.50	.73	.97	1.24	1.56	1.95	2.50	3.40	4.28
Aug	1.27	1.24	1.26	1973	31	4.46	1972	.05	1995	5.8	4.1	.7	@	.19	.30	.49	.66	.84	1.04	1.27	1.55	1.93	2.54	3.13
Sep	1.46	1.34	1.42	1990	20	4.63	1982	.00+	1979	4.9	3.5	1.1	.2	.00	.15	.41	.64	.88	1.14	1.45	1.82	2.33	3.17	3.98
Oct	1.07	.79	1.42	1971	17	3.49	1994	.00+	1987	3.8	3.1	.6	.1	.00	.17	.38	.55	.71	.89	1.10	1.33	1.65	2.17	2.67
Nov	.63	.44	1.00+	1975	18	1.83	1987	.00+	1999	3.2	2.1	.2	.1	.00	.04	.14	.24	.34	.46	.60	.77	1.01	1.41	1.81
Dec	.47	.22	.87	1987	23	1.76	1992	.00+	1991	2.8	1.7	.1	.0	.00	.02	.09	.16	.23	.32	.43	.57	.77	1.09	1.42
Ann	14.66	15.20	2.15	May 1978	18	8.76	May 1978	.00+	Nov 1999	61.3	42.5	7.7	1.4	9.20	10.20	11.52	12.54	13.46	14.35	15.29	16.34	17.62	19.50	21.16

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1963-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: SUNSHINE 3 NE, WY

COOP ID: 488758

Climate Division: WY 4

NWS Call Sign:

Elevation: 6,300 Feet

Lat: 44°04N

Lon: 108°58W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	6.7	5.3	3	1	8.0	1972	12	17.0	1980	18	1979	25	18	1979	2.3	2.1	1.1	.3	.0	5.1	2.2	1.1	.1
Feb	4.8	4.0	2	1	6.0	1978	20	12.0	1978	10	1994	1	7	1993	2.5	2.2	.6	.2	.0	5.5	3.3	3.2	.0
Mar	10.9	8.0	2	#	15.0	1980	31	31.0+	1981	16	1998	8	10	1973	3.1	2.9	1.7	.8	.2	2.4	1.1	.5	.1
Apr	14.5	13.0	1	1	18.0	1980	2	42.0	1974	30	1974	13	10	1979	3.1	2.9	1.6	.7	.3	3.4	2.3	1.0	.2
May	7.5	3.0	#	#	16.0	1978	18	58.0	1978	10	1979	9	10	1979	1.3	1.3	1.0	.5	.2	.7	.3	.1	.0
Jun	.5	.0	#	0	4.0	1974	7	4.8	1995	4+	1995	9	#+	1998	.2	.2	.1	.0	.0	.2	.1	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	3.4	.0	#	0	12.0	1982	29	21.0	1984	10	2000	23	1	2000	.6	.6	.5	.3	.1	.4	.2	.1	.1
Oct	9.4	6.0	#	#	24.0	1989	28	40.0	1989	16	1980	16	2	1997	1.7	1.6	1.0	.6	.1	1.5	.9	.5	.1
Nov	8.1	6.2	1	1	12.0	1973	1	26.0	1991	18	1983	26	8	1983	2.4	2.0	1.1	.5	.1	3.9	2.6	.8	.2
Dec	6.1	4.0	3	#	14.0	1992	12	25.0	1992	18	1992	13	17	1985	2.2	2.0	.9	.4	@	3.3	2.2	1.9	1.4
Ann	71.9	49.5	N/A	N/A	24.0	Oct 1989	28	58.0	May 1978	30	Apr 1974	13	18	Jan 1979	19.4	17.8	9.6	4.3	1.0	26.4	15.2	9.2	2.2

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: SUNSHINE 3 NE, WY

COOP ID: 488758

Climate Division: WY 4

NWS Call Sign:

Elevation: 6,300 Feet

Lat: 44° 04N

Lon: 108° 58W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	7/28	7/21	7/16	7/12	7/08	7/04	6/30	6/25	6/18
32	7/14	7/07	7/02	6/27	6/23	6/19	6/15	6/09	6/02
28	6/26	6/18	6/13	6/08	6/04	5/30	5/25	5/20	5/12
24	6/04	5/29	5/25	5/22	5/18	5/15	5/11	5/07	5/01
20	5/23	5/17	5/12	5/08	5/05	5/01	4/27	4/23	4/17
16	5/11	5/05	5/01	4/27	4/24	4/21	4/17	4/13	4/07
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/01	8/07	8/11	8/15	8/19	8/22	8/26	8/31	9/06
32	8/14	8/20	8/24	8/28	8/31	9/04	9/07	9/12	9/17
28	8/24	8/30	9/03	9/07	9/10	9/13	9/17	9/21	9/27
24	9/09	9/14	9/17	9/20	9/23	9/25	9/28	10/02	10/06
20	9/17	9/22	9/25	9/28	10/01	10/04	10/07	10/11	10/15
16	9/22	9/28	10/02	10/06	10/10	10/13	10/17	10/22	10/28
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	68	59	52	46	41	36	30	23	14
32	94	85	79	74	68	63	58	51	43
28	125	115	109	103	98	92	87	80	71
24	150	142	136	131	127	122	117	111	103
20	172	164	158	153	149	144	139	133	125
16	195	186	179	174	168	163	157	151	141

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: SUNSHINE 3 NE, WY

COOP ID: 488758

Climate Division: WY 4

NWS Call Sign:

Elevation: 6,300 Feet Lat: 44°04N

Lon: 108°58W

Degree Days to Selected Base Temperatures (°F)

Base	Heating Degree Days (1)												
	Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
65	1402	1160	1091	850	585	311	159	173	435	745	1121	1369	9401
60	1247	1020	936	700	431	185	72	80	297	590	971	1214	7743
57	1154	936	843	610	341	124	36	42	224	497	881	1121	6809
55	1092	880	781	550	284	90	21	25	180	436	821	1059	6219
50	937	740	626	406	160	32	4	5	93	290	671	904	4868
32	414	279	150	51	2	0	0	0	0	14	215	398	1523

Cooling Degree Days (1)

Base	Cooling Degree Days (1)												
	Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
32	35	43	81	191	440	686	898	878	558	292	83	52	4237
55	0	0	0	0	9	86	206	190	48	1	0	0	540
57	0	0	0	0	4	60	159	145	32	0	0	0	400
60	0	0	0	0	1	30	102	89	15	0	0	0	237
65	0	0	0	0	0	7	34	28	3	0	0	0	72
70	0	0	0	0	0	0	8	5	0	0	0	0	13

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	2	4	17	83	238	478	668	636	361	137	21	2	2	6	23	106	344	822	1490	2126	2487	2624	2645	2647
45	0	0	0	32	133	332	513	481	230	57	3	0	0	0	0	32	165	497	1010	1491	1721	1778	1781	1781
50	0	0	0	7	52	206	358	326	122	14	0	0	0	0	0	7	59	265	623	949	1071	1085	1085	1085
55	0	0	0	0	10	104	214	183	52	0	0	0	0	0	0	0	10	114	328	511	563	563	563	563
60	0	0	0	0	0	36	92	70	11	0	0	0	0	0	0	0	0	36	128	198	209	209	209	209
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	1	13	33	92	198	335	450	439	284	151	30	4	1	14	47	139	337	672	1122	1561	1845	1996	2026	2030

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20

1971-2000

Station: SYBILLE RESEARCH UNIT, WY

COOP ID: 488808

Climate Division: WY 8

NWS Call Sign:

Elevation: 6,100 Feet Lat: 41°46N

Lon: 105°23W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	34.2	12.1	23.2	62	1997	2	31.4	1981	-22	1997	12	10.7	1979	1298	0	.0	.0	2.8	10.2	29.4	3.6
Feb	37.8	15.0	26.4	64+	1981	25	33.2	1991	-28+	1989	5	14.7	1989	1082	0	.0	.0	5.4	6.8	25.5	2.0
Mar	46.2	21.2	33.7	73	1989	10	40.6	1986	-15	1965	18	28.8	1980	970	0	.0	.0	14.4	2.6	26.0	.6
Apr	54.7	29.6	42.2	81	1981	25	49.2	1981	-2	1975	2	34.3	1983	686	0	.0	.0	21.5	.7	18.2	@
May	65.1	38.0	51.6	90	1969	27	57.1	1994	10	1967	4	46.3	1983	419	1	.0	.0	28.8	.0	5.8	.0
Jun	76.9	47.0	62.0	98	1994	26	67.7	1988	28+	1984	10	56.8	1982	145	53	.0	2.0	29.9	.0	.6	.0
Jul	83.6	53.0	68.3	99+	1995	29	71.8	1980	34	1968	1	64.3	1992	20	122	.0	6.8	31.0	.0	.0	.0
Aug	82.3	51.6	67.0	98	1979	5	71.8	1995	32	1966	22	64.0	1974	42	102	.0	3.4	31.0	.0	.0	.0
Sep	73.0	41.4	57.2	93+	1998	5	62.3	1979	9	1985	30	52.2	1985	255	20	.0	.4	29.0	.1	3.2	.0
Oct	61.1	31.5	46.3	85	1997	4	50.5	1992	-2	1991	31	40.0	1984	580	0	.0	.0	26.7	.4	13.4	.1
Nov	43.2	19.9	31.6	75	1999	8	43.6	1999	-17	1993	25	22.6	2000	1004	0	.0	.0	11.3	5.1	23.9	.6
Dec	35.5	13.7	24.6	68	1999	1	34.5	1980	-30	1983	23	12.7	1983	1253	0	.0	.0	4.1	9.1	28.5	2.9
Ann	57.8	31.2	44.5	99+	1995	29	71.8+	1995	-30	1983	23	10.7	1979	7754	298	.0	12.6	235.9	35.0	174.5	9.8

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1964-2001

(3) Derived from 1971-2000 serially complete daily data

Climatology of the United States

No. 20 1971-2000

Station: SYBILLE RESEARCH UNIT, WY

COOP ID: 488808

Climate Division: WY 8

NWS Call Sign:

Elevation: 6,100 Feet Lat: 41° 46N

Lon: 105° 23W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1)											
														Probability that the monthly/annual precipitation will be equal to or less than the indicated amount											
Means/Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels												
													These values were determined from the incomplete gamma distribution												
Month	Mean	Median	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95	
Jan	.64	.58	.92	1992	8	1.81	1980	.00	1989	5.3	2.5	.1	.0	.07	.15	.26	.35	.44	.54	.65	.79	.97	1.26	1.53	
Feb	.59	.46	.80	1993	10	1.43	1989	.05	1992	5.0	2.1	.1	.0	.07	.11	.20	.28	.37	.46	.58	.72	.91	1.23	1.54	
Mar	.96	.83	1.80	1990	6	3.55	1983	.21	1977	6.8	3.1	.3	.1	.16	.24	.38	.51	.65	.80	.97	1.18	1.45	1.90	2.33	
Apr	1.94	1.83	2.10	1968	3	4.73	1971	.59	1988	8.7	4.7	1.0	.2	.54	.73	1.01	1.25	1.49	1.74	2.01	2.34	2.76	3.42	4.03	
May	2.68	2.56	3.21	2000	18	5.84	1995	.37	1974	10.8	6.0	1.5	.3	.76	1.01	1.40	1.73	2.06	2.40	2.78	3.23	3.81	4.72	5.57	
Jun	1.95	1.80	2.40	1970	12	5.87	1993	.07	1980	8.8	4.7	1.0	.2	.27	.42	.70	.98	1.26	1.58	1.94	2.39	2.99	3.98	4.93	
Jul	1.64	1.27	1.50	1999	17	4.13	1984	.15	2000	8.3	4.5	.9	.3	.25	.39	.63	.85	1.09	1.35	1.64	2.01	2.49	3.28	4.04	
Aug	1.48	1.30	1.70	1990	5	4.64	1972	.05	1995	7.3	3.4	.9	.2	.15	.26	.46	.66	.89	1.14	1.44	1.81	2.31	3.16	3.98	
Sep	1.24	1.10	1.95	1973	11	3.46	1973	.00	1977	6.2	3.2	.7	.2	.10	.23	.43	.62	.80	1.01	1.25	1.53	1.92	2.55	3.15	
Oct	1.16	1.05	1.77	1978	22	2.78	1998	.15	1987	5.4	3.2	.8	.1	.23	.34	.51	.66	.82	.99	1.18	1.41	1.71	2.20	2.66	
Nov	.96	.90	1.30	2000	1	3.19	1983	.09	1975	5.2	2.8	.4	.1	.09	.16	.29	.42	.57	.73	.93	1.17	1.51	2.07	2.62	
Dec	.62	.62	.69	1995	6	1.46	1987	.00	1991	5.0	2.2	.3	.0	.03	.09	.19	.28	.38	.49	.61	.77	.98	1.33	1.67	
Ann	15.86	16.11	3.21	May 2000	18	5.87	Jun 1993	.00+	Dec 1991	82.8	42.4	8.0	1.7	11.03	11.96	13.16	14.07	14.88	15.67	16.48	17.38	18.47	20.06	21.44	

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1964-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: SYBILLE RESEARCH UNIT, WY

COOP ID: 488808

Climate Division: WY 8

NWS Call Sign:

Elevation: 6,100 Feet

Lat: 41°46N

Lon: 105°23W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	11.2	11.7	3	2	10.5	1992	8	22.5	1992	21	1988	8	16	1988	4.9	3.6	1.5	.6	.1	13.9	9.0	6.3	1.4
Feb	8.7	8.7	2	1	8.0	1993	10	18.5	1978	16	1980	1	6	1980	4.4	3.0	1.2	.3	.0	10.0	5.6	2.5	.2
Mar	12.0	10.0	1	1	18.0	1990	6	31.5	1990	18	1990	6	4	1990	4.8	3.8	1.4	.5	.1	8.0	3.9	2.0	.4
Apr	9.4	8.5	1	#	16.0	1984	20	33.4	1973	16+	1984	21	3	1984	3.3	2.8	1.5	.8	.1	3.1	1.7	1.1	.3
May	3.1	.5	#	0	12.0	1983	17	18.0	1978	10	1978	6	1	1978	.8	.7	.6	.2	.1	.5	.3	.1	@
Jun	.1	.0	#	0	1.5	1979	8	2.5	1979	#+	1979	8	#+	1979	.1	.1	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	1.8	.0	#	0	10.0	2000	23	12.0	2000	10	2000	23	1	2000	.4	.4	.3	.1	@	.4	.3	.1	@
Oct	5.9	4.8	#	#	14.0	1972	30	18.0	1972	17	1972	30	1	1997	1.7	1.4	.7	.4	.1	1.5	.9	.4	.1
Nov	12.1	10.0	2	1	15.0	1979	20	42.5	1983	18+	1979	27	11	1993	4.3	3.7	1.6	.5	.1	7.2	3.7	2.0	.8
Dec	11.2	11.5	2	1	17.8	1992	13	25.6	1992	20	1992	16	9	1983	4.5	3.4	1.1	.6	.1	11.3	7.7	5.3	1.4
Ann	75.5	65.7	N/A	N/A	18.0	Mar 1990	6	42.5	Nov 1983	21	Jan 1988	8	16	Jan 1988	29.2	22.9	9.9	4.0	.7	55.9	33.1	19.8	4.6

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States No. 20 1971-2000

Station: SYBILLE RESEARCH UNIT, WY

COOP ID: 488808

Climate Division: WY 8

NWS Call Sign:

Elevation: 6,100 Feet

Lat: 41° 46N

Lon: 105° 23W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/21	6/17	6/14	6/12	6/09	6/07	6/05	6/02	5/29
32	6/17	6/11	6/07	6/03	5/31	5/27	5/24	5/19	5/13
28	5/27	5/21	5/17	5/13	5/10	5/06	5/03	4/28	4/22
24	5/10	5/05	5/02	4/29	4/26	4/23	4/20	4/17	4/12
20	5/01	4/25	4/21	4/17	4/14	4/10	4/07	4/02	3/27
16	4/18	4/12	4/08	4/04	4/01	3/29	3/25	3/21	3/15
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/30	9/04	9/07	9/10	9/13	9/15	9/18	9/21	9/26
32	9/10	9/14	9/16	9/19	9/21	9/23	9/25	9/27	10/01
28	9/14	9/19	9/21	9/24	9/26	9/29	10/01	10/04	10/08
24	9/25	9/30	10/05	10/08	10/12	10/15	10/19	10/23	10/29
20	10/10	10/15	10/19	10/22	10/25	10/28	10/31	11/04	11/09
16	10/16	10/22	10/26	10/29	11/01	11/04	11/08	11/12	11/17
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	113	107	102	98	94	91	87	82	76
32	133	126	121	116	112	108	104	98	91
28	161	154	148	143	139	134	129	124	116
24	193	184	178	173	168	163	158	151	143
20	219	210	204	198	194	189	183	177	168
16	238	230	224	218	213	209	203	197	189

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: SYBILLE RESEARCH UNIT, WY

COOP ID: 488808

Climate Division: WY 8

NWS Call Sign:

Elevation: 6,100 Feet Lat: 41°46N

Lon: 105°23W

Degree Days to Selected Base Temperatures (°F)

Base	Heating Degree Days (1)												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
Below 65	1298	1082	970	686	419	145	20	42	255	580	1004	1253	7754
60	1143	942	815	538	274	67	2	10	144	425	854	1098	6312
57	1050	858	722	452	197	36	0	3	93	334	764	1005	5514
55	988	802	660	397	152	22	0	2	66	276	704	943	5012
50	833	662	507	269	68	5	0	0	21	150	562	788	3865
32	326	214	88	22	0	0	0	0	0	3	159	288	1100

Cooling Degree Days (1)

Base	Cooling Degree Days (1)												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
Above 32	51	56	141	326	606	898	1125	1084	755	446	145	58	5691
55	0	0	0	11	45	230	412	372	132	6	0	0	1208
57	0	0	0	7	27	184	350	312	99	3	0	0	982
60	0	0	0	2	12	125	259	225	60	1	0	0	684
65	0	0	0	0	1	53	122	102	20	0	0	0	298
70	0	0	0	0	0	15	33	27	5	0	0	0	80

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	3	15	64	180	402	683	908	873	584	296	71	12	3	18	82	262	664	1347	2255	3128	3712	4008	4079	4091
45	1	1	23	94	261	533	753	718	441	175	28	2	1	2	25	119	380	913	1666	2384	2825	3000	3028	3030
50	0	0	2	42	147	388	598	563	307	87	3	0	0	0	2	44	191	579	1177	1740	2047	2134	2137	2137
55	0	0	0	15	62	252	444	409	182	33	0	0	0	0	0	15	77	329	773	1182	1364	1397	1397	1397
60	0	0	0	0	18	137	294	257	89	7	0	0	0	0	0	0	18	155	449	706	795	802	802	802
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	12	61	140	269	445	582	570	395	217	54	7	0	12	73	213	482	927	1509	2079	2474	2691	2745	2752

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20

1971-2000

Station: TEN SLEEP 4 NE, WY

COOP ID: 488852

Climate Division: WY 4

NWS Call Sign:

Elevation: 4,820 Feet Lat: 44°04N

Lon: 107°23W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	35.6	13.7	24.7	64	1981	23	35.7	1981	-25+	1997	11	7.9	1979	1251	0	.0	.0	3.9	10.3	29.8	5.8
Feb	40.4	18.4	29.4	66+	1982	22	38.3	1992	-31	1989	3	15.8	1989	996	0	.0	.0	6.8	5.6	26.4	2.9
Mar	49.7	26.5	38.1	79	1986	27	45.7	1986	-12	1989	4	31.0	1996	835	0	.0	.0	17.4	2.1	24.4	.4
Apr	59.2	34.2	46.7	87+	2000	29	55.0	1987	10+	1997	11	38.5	1975	551	2	.0	.0	24.5	.4	13.4	.0
May	69.2	43.0	56.1	91	1987	15	61.6	2000	20	1967	1	51.4	1975	291	15	.0	@	30.1	.0	3.3	.0
Jun	79.0	51.9	65.5	100	1970	27	75.0	1988	31	1970	13	58.6	1998	90	105	.0	3.1	29.9	.0	.0	.0
Jul	86.7	58.4	72.6	102	1976	13	77.1	1988	38	1983	16	66.0	1993	12	244	.1	12.2	31.0	.0	.0	.0
Aug	85.6	57.8	71.7	100+	2001	7	77.7	1971	36	1965	31	67.7	1977	20	227	.0	9.5	31.0	.0	.0	.0
Sep	75.1	48.0	61.6	95+	1983	2	68.1	1979	15	1984	25	55.5	1984	163	60	.0	1.3	29.1	@	2.2	.0
Oct	62.3	37.6	50.0	87+	1992	3	54.5	1988	4+	1991	31	45.2	1984	468	1	.0	.0	27.1	.4	11.7	.0
Nov	45.2	25.5	35.4	74+	2001	6	46.6	1999	-16	1985	23	21.9	1985	889	0	.0	.0	11.8	4.1	25.0	1.2
Dec	37.4	16.4	26.9	66	1980	27	36.4	1980	-34	1990	22	14.4	1983	1182	0	.0	.0	4.8	8.4	29.2	3.8
Ann	60.5	36.0	48.2	102	Jul 1976	13	77.7	Aug 1971	-34	Dec 1990	22	7.9	Jan 1979	6748	654	.1	26.1	247.4	31.3	165.4	14.1

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1964-2001

(3) Derived from 1971-2000 serially complete daily data

Climatology of the United States

No. 20 1971-2000

Station: TEN SLEEP 4 NE, WY

COOP ID: 488852

Climate Division: WY 4

NWS Call Sign:

Elevation: 4,820 Feet Lat: 44°04N

Lon: 107°23W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
		Means/Medians(1)		Extremes						Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Median	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	.57	.50	.95	1967	14	1.62+	1978	.00	1983	5.8	2.0	.1	.0	.03	.08	.17	.25	.34	.44	.56	.70	.90	1.23	1.55
Feb	.39	.30	.46	1991	17	1.24	1971	.00	1985	4.5	1.6	.0	.0	.02	.06	.12	.17	.24	.30	.38	.48	.62	.84	1.06
Mar	.94	.84	1.10	1981	17	2.43	1996	.25	1979	6.7	3.2	.2	.1	.26	.35	.48	.60	.72	.84	.97	1.13	1.34	1.67	1.97
Apr	1.39	1.31	1.49	1978	28	3.52	1978	.08	1985	8.0	4.6	.5	.1	.35	.48	.68	.86	1.04	1.23	1.43	1.68	2.01	2.52	3.00
May	2.32	1.97	2.26	1988	7	4.32	1975	.16	1994	8.6	5.6	1.3	.2	.67	.89	1.23	1.51	1.79	2.09	2.41	2.79	3.28	4.05	4.77
Jun	1.83	1.88	2.62	1969	25	4.56	1993	.06	1971	7.8	4.7	1.2	.2	.32	.49	.75	1.00	1.26	1.54	1.85	2.23	2.74	3.56	4.35
Jul	.96	.68	2.02	1977	4	3.03	1997	.02	1999	5.3	2.5	.5	.2	.07	.13	.25	.39	.53	.70	.91	1.17	1.53	2.14	2.74
Aug	.67	.58	1.50	1976	2	2.21	1976	.00	1981	4.4	2.0	.2	.1	.02	.06	.15	.24	.35	.48	.63	.82	1.09	1.55	2.00
Sep	1.44	1.40	1.76	1990	19	3.56	1986	.00+	1981	6.3	3.8	.8	.1	.00	.23	.51	.74	.97	1.21	1.49	1.80	2.24	2.93	3.60
Oct	1.25	1.01	1.95	1971	1	5.61	1971	.00	1984	6.0	3.7	.6	.1	.06	.17	.35	.54	.73	.96	1.22	1.54	1.99	2.73	3.45
Nov	.79	.76	1.30	1984	9	1.90	1984	.08	1985	5.4	2.6	.2	.1	.18	.26	.37	.48	.58	.69	.81	.96	1.16	1.46	1.75
Dec	.60	.45	.81	1984	24	1.85	1982	.00+	1985	5.5	1.9	.2	.0	.00	.09	.21	.31	.40	.50	.61	.75	.92	1.21	1.49
Ann	13.15	13.02	2.62	Jun 1969	25	5.61	Oct 1971	.00+	Dec 1985	74.3	38.2	5.8	1.2	9.07	9.85	10.86	11.63	12.32	12.98	13.67	14.43	15.36	16.71	17.88

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1964-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: TEN SLEEP 4 NE, WY

COOP ID: 488852

Climate Division: WY 4

NWS Call Sign:

Elevation: 4,820 Feet

Lat: 44°04N

Lon: 107°23W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	10.5	9.9	4	4	20.0	1978	25	40.5	1978	36	1978	27	14	1979	4.6	3.0	1.1	.3	.1	23.5	16.1	7.8	1.5
Feb	6.3	5.0	3	2	6.0	1976	4	17.0	1978	22	1978	1	11	1979	3.5	2.5	.6	.2	.0	16.0	9.5	4.5	1.1
Mar	8.5	7.0	1	1	9.0	1982	24	24.0	1977	11	1998	8	4	1998	4.5	3.5	1.0	.2	.0	6.3	3.0	1.4	.2
Apr	5.7	5.5	#	#	7.0	1999	1	16.0	1975	8	1977	2	1	1991	2.7	2.1	.6	.2	.0	1.4	.6	.2	.0
May	2.1	.0	#	0	8.0	1983	12	14.0	1975	6	1983	12	#+	1999	.6	.6	.3	.1	.0	.3	.1	@	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.6	.0	#	0	6.0	1985	28	6.0	1985	4+	2000	23	#+	2000	.4	.2	.1	.1	.0	.1	.1	.0	.0
Oct	3.3	1.5	#	#	6.0	1971	2	21.0	1971	10	1971	29	1	1993	1.5	1.1	.4	.2	.0	1.2	.6	.4	@
Nov	7.8	7.2	1	1	8.0	1978	10	16.5	1986	10	1973	3	3	1986	3.6	3.0	1.0	.3	.0	9.1	4.1	1.5	@
Dec	8.8	5.7	2	2	10.0	1998	18	32.0	1989	15	1989	22	10	1978	4.6	3.3	1.2	.5	@	15.4	7.3	3.6	.5
Ann	53.6	41.8	N/A	N/A	20.0	Jan 1978	25	40.5	Jan 1978	36	Jan 1978	27	14	Jan 1979	26.0	19.3	6.3	2.1	.1	73.3	41.4	19.4	3.3

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: TEN SLEEP 4 NE, WY

COOP ID: 488852

Climate Division: WY 4

NWS Call Sign:

Elevation: 4,820 Feet

Lat: 44° 04N

Lon: 107° 23W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/14	6/08	6/04	5/31	5/28	5/24	5/21	5/17	5/11
32	5/28	5/22	5/18	5/15	5/12	5/08	5/05	5/01	4/26
28	5/16	5/10	5/06	5/02	4/29	4/25	4/22	4/17	4/11
24	4/28	4/22	4/17	4/14	4/10	4/07	4/03	3/30	3/24
20	4/22	4/14	4/09	4/04	3/31	3/27	3/22	3/17	3/09
16	4/11	4/03	3/28	3/24	3/19	3/14	3/10	3/04	2/24
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/06	9/09	9/12	9/15	9/17	9/19	9/21	9/24	9/28
32	9/11	9/16	9/20	9/23	9/26	9/29	10/02	10/05	10/10
28	9/20	9/26	9/30	10/03	10/07	10/10	10/13	10/17	10/23
24	10/02	10/08	10/12	10/16	10/19	10/22	10/26	10/30	11/05
20	10/10	10/17	10/22	10/26	10/30	11/04	11/08	11/13	11/20
16	10/15	10/22	10/27	11/01	11/05	11/09	11/13	11/18	11/25
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	130	124	119	115	111	107	103	99	92
32	162	153	147	141	136	131	126	120	111
28	186	177	171	165	160	155	150	143	134
24	217	208	202	196	191	186	180	174	164
20	250	237	228	220	213	205	198	188	176
16	265	253	244	237	230	223	216	207	195

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: TEN SLEEP 4 NE, WY

COOP ID: 488852

Climate Division: WY 4

NWS Call Sign:

Elevation: 4,820 Feet Lat: 44°04N

Lon: 107°23W

Degree Days to Selected Base Temperatures (°F)

Base	Heating Degree Days (1)												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
Below 65	1251	996	835	551	291	90	12	20	163	468	889	1182	6748
60	1096	856	680	409	172	35	1	4	81	320	739	1027	5420
57	1003	772	587	330	116	17	0	1	47	240	652	934	4699
55	941	716	526	280	86	10	0	0	31	193	596	872	4251
50	787	582	382	175	33	1	0	0	8	98	458	723	3247
32	310	182	46	7	0	0	0	0	0	2	111	264	922

Cooling Degree Days (1)

Base	Cooling Degree Days (1)												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
Above 32	82	111	235	448	747	1005	1256	1231	887	558	212	106	6878
55	0	0	2	30	119	324	543	518	227	36	7	0	1806
57	0	0	1	20	88	271	481	457	184	22	3	0	1527
60	0	0	0	10	50	199	389	367	128	8	0	0	1151
65	0	0	0	2	15	105	244	227	60	1	0	0	654
70	0	0	0	0	2	43	125	117	21	0	0	0	308

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	5	17	91	246	497	762	989	954	617	308	67	14	5	22	113	359	856	1618	2607	3561	4178	4486	4553	4567
45	0	2	38	141	354	612	834	799	473	189	24	2	0	2	40	181	535	1147	1981	2780	3253	3442	3466	3468
50	0	0	10	72	226	465	679	644	336	96	5	0	0	0	10	82	308	773	1452	2096	2432	2528	2533	2533
55	0	0	2	28	119	322	525	490	217	37	0	0	0	0	2	30	149	471	996	1486	1703	1740	1740	1740
60	0	0	0	9	52	192	373	336	113	11	0	0	0	0	0	9	61	253	626	962	1075	1086	1086	1086
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	1	15	75	176	319	486	638	623	411	219	53	9	1	16	91	267	586	1072	1710	2333	2744	2963	3016	3025

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: TEN SLEEP 16 SSE, WY

COOP ID: 488858

Climate Division: WY 4

NWS Call Sign:

Elevation: 4,680 Feet Lat: 43° 49N

Lon: 107° 22W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	31.8	-2.2	14.8	61	1981	24	28.3	1981	-45	1963	12	-3.8	1979	1557	0	.0	.0	1.5	13.8	31.0	16.9
Feb	38.6	5.9	22.3	66	1982	22	32.2	1992	-46	1985	2	9.6	1989	1198	0	.0	.0	4.9	7.0	28.1	9.6
Mar	47.6	19.0	33.3	77	1978	31	41.5	1986	-24+	1989	5	25.6	1996	984	0	.0	.0	14.3	3.3	30.2	2.0
Apr	57.2	27.3	42.3	85+	1987	29	47.8	1987	-1	1975	2	36.1	1975	682	0	.0	.0	21.6	.5	23.2	.1
May	66.8	36.6	51.7	91+	1987	16	56.7	1987	17	1967	4	47.3	1983	414	2	.0	.1	28.5	.0	8.4	.0
Jun	78.2	45.3	61.8	100	1974	26	69.4	1988	27	1984	2	54.9	1998	161	64	@	4.3	29.6	.0	.5	.0
Jul	87.0	50.3	68.7	103	1981	7	72.9	1976	31	1972	4	60.9	1993	43	156	.4	13.8	31.0	.0	@	.0
Aug	85.7	47.5	66.6	103	1979	6	71.5	1971	30+	1993	31	61.8	1987	61	110	.1	9.9	31.0	.0	.1	.0
Sep	73.4	36.4	54.9	97+	1983	2	61.6	1998	12+	1984	26	50.3	1984	315	13	.0	1.7	28.3	.1	8.9	.0
Oct	60.4	25.9	43.2	88	1980	1	47.7	1973	-8	1991	31	39.0	1984	679	0	.0	.0	24.5	.6	26.5	.1
Nov	44.1	13.2	28.7	76	2001	5	39.5	1999	-31	1975	30	15.0	1985	1091	0	.0	.0	10.4	5.5	29.6	4.7
Dec	34.1	1.1	17.6	65	1999	1	27.1	1980	-51	1990	22	1.9	1983	1469	0	.0	.0	3.4	12.1	30.9	14.4
Ann	58.7	25.5	42.2	103+	1981	7	72.9	1976	-51	1990	22	-3.8	1979	8654	345	.5	29.8	229.0	42.9	217.4	47.8

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1955-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20 1971-2000

Station: TEN SLEEP 16 SSE, WY

COOP ID: 488858

Climate Division: WY 4

NWS Call Sign:

Elevation: 4,680 Feet Lat: 43° 49N

Lon: 107° 22W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1)											
														Probability that the monthly/annual precipitation will be equal to or less than the indicated amount											
Means/Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels												
													These values were determined from the incomplete gamma distribution												
Month	Mean	Median	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95	
Jan	.63	.54	.91	1962	8	1.57	1997	.00	1992	6.3	2.2	.1	.0	.08	.16	.27	.36	.45	.54	.65	.78	.95	1.22	1.47	
Feb	.50	.39	.80	1961	3	1.35	1986	.12	1974	6.0	2.0	.1	.0	.14	.19	.26	.32	.38	.44	.51	.60	.70	.87	1.02	
Mar	1.09	.97	.81+	1992	18	2.19	1996	.25	1979	7.7	3.6	.2	.0	.38	.49	.64	.76	.88	1.00	1.14	1.29	1.49	1.80	2.09	
Apr	1.53	1.67	3.28	1978	28	4.11	1978	.16	1987	8.1	4.3	.6	.1	.36	.51	.73	.93	1.13	1.34	1.57	1.85	2.21	2.79	3.34	
May	2.27	2.21	1.80	1978	18	5.64	1978	.51	1994	9.8	5.4	1.4	.3	.67	.88	1.20	1.48	1.76	2.04	2.35	2.72	3.20	3.95	4.64	
Jun	1.67	1.52	1.48	1991	7	3.34	1993	.05	1971	8.5	4.4	1.1	.2	.32	.47	.72	.94	1.17	1.42	1.69	2.03	2.47	3.19	3.87	
Jul	.96	.75	1.49	1997	20	3.65	1997	.06	1976	6.3	2.6	.4	.1	.05	.10	.21	.34	.49	.66	.87	1.15	1.54	2.20	2.87	
Aug	.70	.59	1.43	1968	10	1.97	1999	.04	1975	5.2	2.0	.2	@	.05	.10	.19	.28	.39	.52	.66	.85	1.11	1.55	1.99	
Sep	1.31	1.36	1.33	1957	13	3.16	1982	.15	1993	6.1	3.4	.7	.1	.20	.31	.50	.68	.87	1.07	1.31	1.60	1.99	2.63	3.24	
Oct	1.30	1.08	1.15	1956	24	3.39	1971	.16	1987	6.6	3.9	.7	@	.24	.35	.54	.72	.90	1.09	1.31	1.58	1.94	2.51	3.05	
Nov	.76	.76	.79	1967	2	1.65	1983	.14	1981	6.1	2.7	.3	.0	.23	.30	.41	.50	.59	.68	.79	.91	1.07	1.31	1.54	
Dec	.66	.53	1.29	1982	2	2.48	1982	.15	1976	6.5	2.0	.2	@	.12	.18	.28	.37	.46	.56	.67	.80	.98	1.27	1.54	
Ann	13.38	13.45	3.28	Apr 1978	28	5.64	May 1978	.00	Jan 1992	83.2	38.5	6.0	.8	9.16	9.96	10.99	11.78	12.49	13.17	13.87	14.66	15.61	17.00	18.21	

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1955-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: TEN SLEEP 16 SSE, WY

COOP ID: 488858

Climate Division: WY 4

NWS Call Sign:

Elevation: 4,680 Feet

Lat: 43° 49N

Lon: 107° 22W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	10.1	9.6	8	8	14.0	1997	10	26.2	1978	22	1979	22	18	1979	6.8	3.9	1.2	.4	@	28.2	26.4	23.3	11.9
Feb	7.0	6.1	8	8	8.0	1977	23	17.7	1986	20+	1993	28	17+	1993	5.8	3.1	.7	.2	.0	26.2	24.9	21.2	10.1
Mar	11.0	8.6	4	2	8.0	1996	24	27.0	1998	24	1998	12	15	1998	5.6	4.1	1.3	.3	.0	13.4	9.9	6.7	2.8
Apr	5.6	3.7	#	#	11.0	1984	26	16.0	1975	13	1984	26	2	1999	2.8	2.1	.6	.2	@	2.9	1.2	.7	.1
May	1.7	.0	#	#	6.5	1988	7	14.5	1975	8	1983	12	1	1983	.7	.7	.2	.1	.0	.6	.3	.2	.0
Jun	#	.0	#	0	#	1998	4	#+	1998	#+	1998	4	#+	1998	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.6	.0	#	0	6.0	1985	28	6.0	1985	6	1985	28	#+	2000	.3	.3	.1	@	.0	.4	.1	.1	.0
Oct	4.6	3.0	#	#	10.0	1991	28	21.6	1971	10	1991	28	2	1996	1.7	1.4	.6	.3	@	2.4	1.2	.8	@
Nov	9.0	8.2	2	2	9.0	1998	7	16.4	1983	10+	1983	26	5	1978	5.0	3.3	.9	.4	.0	13.8	9.1	3.9	.1
Dec	9.9	8.0	4	3	11.0	1982	2	30.7	1989	19	1978	5	14	1978	6.5	3.9	1.1	.4	.1	23.9	18.5	12.2	3.6
Ann	59.5	47.2	N/A	N/A	14.0	Jan 1997	10	30.7	Dec 1989	24	Mar 1998	12	18	Jan 1979	35.2	22.8	6.7	2.3	.1	111.8	91.6	69.1	28.6

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: TEN SLEEP 16 SSE, WY

COOP ID: 488858

Climate Division: WY 4

NWS Call Sign:

Elevation: 4,680 Feet

Lat: 43° 49N

Lon: 107° 22W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/30	6/23	6/19	6/15	6/12	6/08	6/04	5/31	5/25
32	6/14	6/08	6/04	5/31	5/28	5/25	5/21	5/17	5/11
28	5/23	5/18	5/15	5/12	5/09	5/06	5/03	4/30	4/25
24	5/15	5/09	5/05	5/02	4/29	4/26	4/22	4/18	4/13
20	4/29	4/24	4/20	4/17	4/14	4/11	4/08	4/04	3/30
16	4/23	4/16	4/12	4/08	4/04	4/01	3/28	3/24	3/17
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/16	8/22	8/26	8/29	9/02	9/05	9/09	9/13	9/18
32	8/30	9/04	9/07	9/10	9/13	9/16	9/19	9/23	9/28
28	9/10	9/14	9/17	9/19	9/22	9/24	9/26	9/29	10/03
24	9/17	9/22	9/26	9/29	10/02	10/05	10/08	10/12	10/17
20	9/22	9/28	10/02	10/06	10/10	10/13	10/17	10/21	10/27
16	10/08	10/13	10/17	10/20	10/23	10/27	10/30	11/03	11/08
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	104	96	91	86	81	77	72	66	59
32	127	120	116	111	108	104	100	95	88
28	153	147	142	138	135	131	127	123	117
24	178	170	165	160	155	151	146	141	133
20	200	193	187	182	178	173	169	163	155
16	230	220	213	207	201	196	190	183	173

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: TEN SLEEP 16 SSE, WY

COOP ID: 488858

Climate Division: WY 4

NWS Call Sign:

Elevation: 4,680 Feet Lat: 43° 49N

Lon: 107° 22W

Degree Days to Selected Base Temperatures (°F)

Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1557	1198	984	682	414	161	43	61	315	679	1091	1469	8654
60	1402	1058	829	532	269	81	12	18	195	524	941	1314	7175
57	1309	974	736	443	193	47	4	7	135	431	851	1221	6351
55	1247	918	674	386	148	31	2	3	101	371	791	1159	5831
50	1092	778	520	251	63	9	0	0	41	229	646	1004	4633
32	569	329	100	10	0	0	0	0	0	7	214	492	1721

Cooling Degree Days (1)

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	35	56	139	318	611	892	1136	1072	688	352	113	46	5458
55	0	0	0	4	46	233	425	362	99	2	0	0	1171
57	0	0	0	1	29	190	365	304	72	1	0	0	962
60	0	0	0	0	12	133	280	222	42	0	0	0	689
65	0	0	0	0	2	64	156	110	13	0	0	0	345
70	0	0	0	0	0	23	71	39	3	0	0	0	136

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	2	37	146	379	660	894	833	467	170	23	0	0	2	39	185	564	1224	2118	2951	3418	3588	3611	3611
45	0	0	8	70	243	513	739	678	329	81	1	0	0	0	8	78	321	834	1573	2251	2580	2661	2662	2662
50	0	0	0	25	135	368	584	523	209	22	0	0	0	0	0	25	160	528	1112	1635	1844	1866	1866	1866
55	0	0	0	6	58	235	432	371	111	3	0	0	0	0	0	6	64	299	731	1102	1213	1216	1216	1216
60	0	0	0	0	14	126	284	225	43	0	0	0	0	0	0	0	14	140	424	649	692	692	692	692
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	11	59	149	275	423	559	532	358	194	45	6	0	11	70	219	494	917	1476	2008	2366	2560	2605	2611

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20

1971-2000

Station: THERMOPOLIS, WY

COOP ID: 488875

Climate Division: WY 4

NWS Call Sign:

Elevation: 4,313 Feet Lat: 43° 39N

Lon: 108° 12W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	35.5	8.6	22.1	67	1953	9	31.0	1983	-39	1949	24	4.7	1979	1332	0	.0	.0	2.3	11.0	30.6	6.5
Feb	43.3	15.7	29.5	70+	1958	22	37.9	1991	-36	1949	13	16.4	1989	993	0	.0	.0	8.6	4.7	27.5	3.3
Mar	52.6	24.6	38.6	77	1960	27	47.2	1986	-17	1955	25	31.2	1996	818	0	.0	.0	17.8	1.5	26.2	.7
Apr	61.7	32.9	47.3	90	1952	13	54.5	1987	10+	1997	12	38.6	1975	532	1	.0	.0	28.4	.1	15.9	.0
May	71.9	41.9	56.9	93	1954	19	62.8	1994	12	1954	2	52.6	1983	265	14	.0	.1	30.8	.0	.6	.0
Jun	83.4	50.0	66.7	105	1954	23	73.6	1988	24	1951	3	61.0	1998	65	115	.1	3.4	29.9	.0	.0	.0
Jul	90.5	55.4	73.0	105	1954	11	76.8	2000	34	1955	8	66.5	1993	9	255	.7	13.8	31.0	.0	.0	.0
Aug	89.7	54.3	72.0	103	1957	11	77.6	1983	34	1962	31	68.3	1993	14	232	.2	18.0	31.0	.0	.0	.0
Sep	78.4	43.9	61.2	99+	1950	4	67.4	1990	22	1951	27	56.2	1985	167	50	.0	2.8	29.5	.0	.6	.0
Oct	65.8	33.2	49.5	89+	1992	2	53.8	1988	4+	1954	28	45.0	1984	482	0	.0	.0	27.9	.2	15.4	.0
Nov	46.9	20.4	33.7	74+	2001	5	45.4	1999	-28	1955	16	20.7	1985	941	0	.0	.0	13.1	2.3	28.8	.5
Dec	37.0	11.8	24.4	67	1995	1	32.8	1980	-35+	1990	22	14.0	1978	1259	0	.0	.0	2.0	2.8	30.4	1.7
Ann	63.1	32.7	47.9	105+	Jul 1954	11	77.6	Aug 1983	-39	Jan 1949	24	4.7	Jan 1979	6877	667	1.0	38.1	252.3	22.6	176.0	12.7

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20 1971-2000

Station: THERMOPOLIS, WY

COOP ID: 488875

Climate Division: WY 4

NWS Call Sign:

Elevation: 4,313 Feet Lat: 43° 39N

Lon: 108° 12W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
		Means/Medians(1)		Extremes						Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Median	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	.36	.26	1.43	1995	16	2.00	1995	.00	1992	5.3	.8	@	@	.04	.08	.14	.19	.24	.30	.37	.45	.55	.72	.88
Feb	.28	.24	.75	1961	3	.79	1997	.07	1991	1.3	.4	.0	.0	.07	.10	.14	.18	.21	.25	.29	.34	.41	.51	.60
Mar	.92	.82	1.10	1958	9	3.06	1998	.00	1997	6.8	2.1	.3	@	.16	.28	.44	.57	.69	.82	.96	1.12	1.34	1.68	2.00
Apr	1.44	1.26	1.17	1991	26	4.23	1999	.47	1987	7.7	3.6	.6	.1	.43	.57	.77	.95	1.12	1.30	1.49	1.72	2.02	2.49	2.92
May	2.05	1.76	1.45	1952	21	4.27	1981	.62	1994	11.4	5.2	1.1	.1	.73	.92	1.20	1.44	1.66	1.89	2.15	2.44	2.81	3.39	3.92
Jun	1.57	1.48	2.00	1963	14	3.18	1992	.51+	1996	10.0	3.6	.6	.1	.58	.73	.94	1.12	1.28	1.45	1.64	1.85	2.13	2.55	2.93
Jul	1.11	1.16	.97	1992	21	2.26	1987	.08	1996	7.8	2.1	.3	.0	.20	.30	.46	.62	.77	.94	1.13	1.36	1.66	2.16	2.63
Aug	.49	.44	.80	1999	4	1.71	1999	.14	1996	1.9	.7	.1	.0	.13	.18	.25	.31	.37	.43	.50	.58	.69	.86	1.02
Sep	1.41	1.42	.93	1950	20	3.12	1973	.22	1979	6.6	2.8	.5	@	.34	.47	.68	.86	1.04	1.23	1.45	1.70	2.03	2.56	3.05
Oct	1.20	1.00	1.55	1994	16	3.44	1994	.13	1992	1.9	1.1	.5	.1	.20	.31	.48	.65	.82	1.00	1.21	1.47	1.81	2.37	2.90
Nov	.79	.72	.94	1994	13	2.03	1983	.05	1997	5.5	2.3	.2	.0	.21	.28	.40	.50	.60	.70	.81	.95	1.13	1.41	1.67
Dec	.34	.32	.63	1997	9	1.65	1997	.02	1994	4.9	.9	.1	.0	.06	.09	.14	.18	.23	.29	.35	.42	.52	.68	.83
Ann	11.96	11.70	2.00	Jun 1963	14	4.27	May 1981	.00+	Mar 1997	71.1	25.6	4.3	.4	8.44	9.12	9.99	10.65	11.24	11.81	12.40	13.05	13.84	14.99	15.98

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: THERMOPOLIS, WY

COOP ID: 488875

Climate Division: WY 4

NWS Call Sign:

Elevation: 4,313 Feet

Lat: 43° 39N

Lon: 108° 12W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	6.8	7.3	3	2	8.0	1998	20	12.0	1993	14	1993	20	10	1993	2.3	2.1	1.0	.5	.0	-9.9	-9.9	-9.9	-9.9
Feb	4.5	3.5	2	1	5.0	1997	28	11.0	1997	15	1993	26	10	1993	1.8	1.6	.7	.1	.0	-9.9	-9.9	-9.9	-9.9
Mar	2.3	2.0	1	#	14.0	1998	18	14.0	1998	15	1998	18	5	1998	1.4	1.3	.5	.5	.1	-9.9	-9.9	-9.9	-9.9
Apr	3.3	4.0	#	#	6.0	1999	1	8.0	1999	8	1999	2	1	1999	1.0	1.0	.3	.2	.0	-9.9	-9.9	-9.9	-9.9
May	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.4	.0	#	0	4.5	2000	22	4.5	2000	5	2000	22	#	2000	.1	.1	.1	.0	.0	.2	.1	.1	.0
Oct	2.7	.0	#	0	12.0	1991	28	14.0	1991	12	1991	28	1	1996	.6	.6	.2	.2	.1	.8	.6	.4	.2
Nov	4.2	3.9	1	1	10.0	1992	23	12.0	1992	10	1992	24	2	1992	2.3	1.9	.4	.3	.1	-9.9	-9.9	-9.9	-9.9
Dec	3.3	3.0	2	1	6.0	1997	9	7.5	1990	13	1997	29	9	1997	2.0	1.6	.8	.3	.0	-9.9	-9.9	-9.9	-9.9
Ann	27.5	23.7	N/A	N/A	14.0	Mar 1998	18	14.0+	Mar 1998	15+	Mar 1998	18	10+	Feb 1993	11.5	10.2	4.0	2.1	.3	-9.9	-9.9	-9.9	-9.9

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: THERMOPOLIS, WY

COOP ID: 488875

Climate Division: WY 4

NWS Call Sign:

Elevation: 4,313 Feet

Lat: 43° 39N

Lon: 108° 12W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	5/25	5/20	5/16	5/13	5/09	5/06	5/03	4/29	4/23
32	5/08	5/03	4/30	4/27	4/24	4/21	4/18	4/15	4/10
28	4/28	4/24	4/21	4/18	4/16	4/14	4/11	4/08	4/05
24	4/15	4/09	4/06	4/02	3/30	3/27	3/24	3/20	3/15
20	4/10	4/04	3/31	3/28	3/25	3/22	3/19	3/15	3/10
16	4/04	3/29	3/25	3/21	3/18	3/15	3/11	3/07	3/01
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/19	9/22	9/25	9/27	9/29	10/01	10/03	10/05	10/09
32	9/25	9/29	10/02	10/04	10/06	10/08	10/10	10/13	10/16
28	10/01	10/06	10/10	10/13	10/16	10/19	10/22	10/26	10/31
24	10/21	10/24	10/27	10/28	10/30	11/01	11/03	11/05	11/08
20	10/28	10/30	10/31	11/01	11/02	11/03	11/04	11/06	11/07
16	11/02	11/06	11/09	11/11	11/13	11/15	11/18	11/21	11/24
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	163	156	150	146	142	137	133	128	120
32	186	178	173	168	164	160	155	150	142
28	206	198	192	187	182	178	173	167	159
24	233	226	221	217	213	209	205	200	193
20	240	233	229	225	221	218	214	209	203
16	263	255	249	244	239	235	230	224	216

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: THERMOPOLIS, WY

COOP ID: 488875

Climate Division: WY 4

NWS Call Sign:

Elevation: 4,313 Feet Lat: 43° 39N

Lon: 108° 12W

Degree Days to Selected Base Temperatures (°F)

Base	Heating Degree Days (1)												
	Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
65	1332	993	818	532	265	65	9	14	167	482	941	1259	6877
60	1177	853	663	390	147	20	1	2	80	329	791	1104	5557
57	1084	769	570	311	94	8	0	1	45	242	702	1011	4837
55	1022	713	510	262	66	4	0	0	28	191	646	949	4391
50	869	582	368	159	22	0	0	0	6	89	508	795	3398
32	379	190	45	5	0	0	0	0	0	1	141	306	1067

Cooling Degree Days (1)

Base	Cooling Degree Days (1)												
	Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
32	70	121	251	465	772	1040	1269	1241	873	543	190	70	6905
55	0	0	3	31	125	353	556	528	211	19	6	0	1832
57	0	0	1	20	91	298	494	467	168	8	1	0	1548
60	0	0	0	10	51	220	402	375	113	2	0	0	1173
65	0	0	0	1	14	115	255	232	50	0	0	0	667
70	0	0	0	0	2	46	131	114	16	0	0	0	309

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	2	15	77	219	531	744	980	990	644	271	29	2	2	17	94	313	844	1588	2568	3558	4202	4473	4502	4504
45	0	0	27	94	377	594	825	835	496	147	4	2	0	0	27	121	498	1092	1917	2752	3248	3395	3399	3401
50	0	0	8	23	227	445	670	680	350	62	0	0	0	0	8	31	258	703	1373	2053	2403	2465	2465	2465
55	0	0	0	6	96	295	515	525	219	17	0	0	0	0	0	6	102	397	912	1437	1656	1673	1673	1673
60	0	0	0	0	22	166	362	370	108	4	0	0	0	0	0	0	22	188	550	920	1028	1032	1032	1032
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	3	29	80	191	353	459	612	625	429	230	48	2	3	32	112	303	656	1115	1727	2352	2781	3011	3059	3061

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20

1971-2000

Station: THERMOPOLIS 25 WNW, WY

COOP ID: 488888

Climate Division: WY 4

NWS Call Sign:

Elevation: 5,695 Feet Lat: 43° 43N

Lon: 108° 42W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	36.2	6.8	21.5	63	1981	22	32.2	1981	-40	1963	12	9.4	1979	1349	0	.0	.0	3.5	10.1	30.7	8.9
Feb	40.3	12.2	26.3	66	1986	24	33.4	1991	-40	1989	3	12.0	1989	1085	0	.0	.0	5.9	5.8	27.8	4.6
Mar	47.7	19.6	33.7	73+	1986	29	42.1	1986	-26	1960	2	26.7	1996	971	0	.0	.0	13.8	2.5	29.0	1.5
Apr	56.1	27.2	41.7	78+	1989	22	47.6	1987	-2	1975	8	33.1	1975	700	0	.0	.0	21.5	.6	21.9	@
May	64.6	36.3	50.5	86	2001	13	55.7	1994	14	1972	1	46.3	1975	451	0	.0	.0	28.9	.0	9.7	.0
Jun	74.9	43.4	59.2	93+	2001	28	66.3	1988	22	2000	1	53.5+	1998	208	32	.0	.7	29.8	.0	1.4	.0
Jul	81.8	48.5	65.2	97+	1998	18	69.5	2000	26	1993	19	55.5	1993	102	106	.0	3.2	31.0	.0	.1	.0
Aug	80.6	47.3	64.0	98	2001	6	69.4	1971	20	1968	22	58.1	1993	117	84	.0	1.3	31.0	.0	.5	.0
Sep	71.0	38.0	54.5	92+	2001	2	60.7	1998	2	1984	25	49.4	1985	328	12	.0	.3	28.6	.1	7.8	.0
Oct	59.4	28.7	44.1	87	1993	5	47.6	1979	-5+	1991	31	39.2	1984	651	0	.0	.0	26.0	.5	21.0	.1
Nov	44.0	16.2	30.1	70+	2001	5	40.2	1999	-26	1959	13	18.9	1985	1047	0	.0	.0	10.0	4.9	28.8	2.4
Dec	37.1	8.1	22.6	69	1980	27	33.8	1980	-40	1990	22	11.3	1983	1314	0	.0	.0	4.7	9.3	30.6	6.3
Ann	57.8	27.7	42.8	98	Aug 2001	6	69.5	Jul 2000	-40+	Dec 1990	22	9.4	Jan 1979	8323	234	.0	5.5	234.7	33.8	209.3	23.8

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1951-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20 1971-2000

Station: THERMOPOLIS 25 WNW, WY

COOP ID: 488888

Climate Division: WY 4

NWS Call Sign:

Elevation: 5,695 Feet Lat: 43° 43N

Lon: 108° 42W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
		Means/Medians(1)		Extremes						Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Median	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	.38	.36	.60	1972	12	1.21	1973	.00	1988	3.6	1.4	@	.0	.02	.05	.11	.17	.23	.29	.37	.47	.60	.83	1.04
Feb	.31	.24	.50	1981	20	1.08	1981	.00	1991	3.0	1.3	@	.0	.02	.04	.09	.14	.18	.24	.30	.38	.49	.66	.83
Mar	.76	.59	.95	1992	18	2.21	1992	.19	1974	4.6	2.7	.2	.0	.16	.23	.34	.44	.54	.65	.77	.92	1.11	1.42	1.71
Apr	1.26	1.05	2.07	1963	27	4.51	1999	.06	1987	6.3	3.7	.6	.1	.22	.33	.51	.68	.86	1.05	1.27	1.53	1.88	2.46	3.00
May	2.52	1.87	2.10	1993	6	6.88	1978	.05	1984	8.6	5.8	1.7	.4	.39	.61	.98	1.32	1.68	2.08	2.53	3.08	3.82	5.02	6.18
Jun	1.88	1.53	2.60	1997	9	6.44	1997	.31	1973	8.0	4.5	1.0	.3	.28	.44	.71	.97	1.24	1.54	1.88	2.30	2.86	3.77	4.64
Jul	1.46	1.28	2.18	1983	23	3.27	1987	.28	1988	7.6	3.6	.8	.1	.30	.44	.65	.85	1.04	1.25	1.49	1.77	2.15	2.75	3.32
Aug	1.13	1.11	1.81	1971	30	2.41	1980	.16+	2000	5.7	2.8	.5	@	.26	.37	.53	.68	.83	.98	1.16	1.37	1.64	2.08	2.49
Sep	1.30	1.23	1.55	1973	2	4.09	1973	.03	1979	4.7	2.6	.8	.3	.16	.26	.44	.62	.81	1.03	1.28	1.59	2.01	2.70	3.37
Oct	.97	.76	1.39	1971	18	3.87	1971	.00+	1988	4.1	2.3	.5	.1	.00	.08	.24	.40	.56	.74	.95	1.20	1.56	2.15	2.72
Nov	.52	.47	.80	2001	18	1.25	1987	.00+	1997	3.8	2.0	@	.0	.00	.00	.15	.25	.33	.43	.53	.66	.83	1.10	1.36
Dec	.37	.22	.70	1978	5	1.60	1978	.00	1971	3.0	1.2	.1	.0	.01	.04	.09	.14	.20	.27	.35	.45	.60	.84	1.08
Ann	12.86	12.39	2.60	Jun 1997	9	6.88	May 1978	.00+	Nov 1997	63.0	33.9	6.2	1.3	7.79	8.71	9.92	10.86	11.72	12.55	13.43	14.40	15.61	17.39	18.95

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1951-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: THERMOPOLIS 25 WNW, WY

COOP ID: 488888

Climate Division: WY 4

NWS Call Sign:

Elevation: 5,695 Feet

Lat: 43° 43N

Lon: 108° 42W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	7.6	7.1	2	1	7.5	1983	28	15.0	1973	12	1986	20	11	1986	3.1	2.4	1.0	.2	.0	13.0	6.5	.9	.0
Feb	5.6	4.8	1	1	10.0	1978	20	14.5+	1987	9+	1993	22	4	1978	2.7	2.1	.8	.2	@	7.0	3.0	1.3	.0
Mar	10.2	7.2	1	1	12.3	1992	18	27.5	1998	12	1992	18	3	1998	3.3	2.8	1.4	.5	@	5.0	2.6	1.3	.1
Apr	8.0	5.8	#	#	15.0	1973	20	20.1	1976	10+	1991	18	3	1991	2.8	2.4	1.4	.6	.1	2.1	1.2	.3	@
May	3.0	.5	#	0	10.0	1978	6	17.5	1978	10	1979	8	1	1979	.8	.7	.4	.2	.1	.4	.3	.2	@
Jun	.1	.0	#	0	4.0	1976	14	4.0	1976	1	1976	14	#	1976	@	@	@	.0	.0	@	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	1.5	.0	#	0	12.0	1984	23	12.0	1984	12	1984	25	2	1971	.6	.6	.3	.1	@	.3	.1	@	.0
Oct	5.7	3.5	#	#	12.0	1989	28	21.0	1989	12	1989	31	3	1998	1.7	1.5	.8	.4	@	1.8	1.2	.6	.1
Nov	7.9	7.0	1	1	10.0	1973	1	23.0	1973	12	1989	1	4	1978	2.7	2.2	1.0	.3	.1	7.9	4.5	1.8	.2
Dec	5.5	4.1	1	1	8.0	1992	12	14.0	1982	12	1985	12	7	1985	3.0	2.4	.9	.2	.0	9.6	4.4	.3	.0
Ann	55.1	40.0	N/A	N/A	15.0	Apr 1973	20	27.5	Mar 1998	12+	Mar 1992	18	11	Jan 1986	20.7	17.1	8.0	2.7	.3	47.1	23.8	6.7	.4

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States No. 20 1971-2000

Station: THERMOPOLIS 25 WNW, WY

COOP ID: 488888

Climate Division: WY 4

NWS Call Sign:

Elevation: 5,695 Feet

Lat: 43° 43N

Lon: 108° 42W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	7/11	7/06	7/02	6/29	6/26	6/22	6/19	6/15	6/10
32	6/27	6/20	6/15	6/10	6/06	6/02	5/29	5/24	5/16
28	6/11	6/03	5/29	5/24	5/19	5/15	5/10	5/04	4/27
24	5/30	5/23	5/18	5/14	5/10	5/06	5/02	4/27	4/20
20	5/14	5/08	5/04	4/30	4/27	4/23	4/20	4/15	4/10
16	4/24	4/20	4/18	4/15	4/13	4/11	4/08	4/06	4/02
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/16	8/21	8/25	8/29	9/01	9/04	9/07	9/11	9/16
32	8/26	8/31	9/03	9/06	9/09	9/12	9/15	9/18	9/23
28	9/05	9/09	9/12	9/15	9/17	9/20	9/22	9/26	9/30
24	9/11	9/17	9/21	9/24	9/28	10/01	10/04	10/09	10/14
20	9/23	9/29	10/03	10/06	10/10	10/13	10/17	10/21	10/27
16	9/30	10/06	10/10	10/13	10/16	10/20	10/23	10/27	11/01
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	91	83	76	71	66	61	56	50	42
32	119	110	104	99	94	89	84	78	69
28	146	137	131	125	120	115	109	103	94
24	168	158	151	145	140	134	128	121	111
20	192	183	176	171	165	160	154	148	138
16	206	199	194	190	186	182	177	172	165

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: THERMOPOLIS 25 WNW, WY

COOP ID: 488888

Climate Division: WY 4

NWS Call Sign:

Elevation: 5,695 Feet Lat: 43° 43N

Lon: 108° 42W

Degree Days to Selected Base Temperatures (°F)

Base	Heating Degree Days (1)												
	Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
65	1349	1085	971	700	451	208	102	117	328	651	1047	1314	8323
60	1194	945	816	550	301	110	39	48	205	496	897	1159	6760
57	1101	861	723	463	219	67	19	24	144	404	807	1066	5898
55	1039	805	661	406	170	44	12	15	109	343	747	1004	5355
50	884	665	508	273	76	12	1	3	45	202	597	849	4115
32	356	226	90	18	0	0	0	0	0	4	169	351	1214

Base	Cooling Degree Days (1)												
	Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
32	31	65	142	309	572	815	1027	990	674	376	112	61	5174
55	0	0	0	6	29	169	325	292	94	2	0	0	917
57	0	0	0	3	16	131	271	239	68	1	0	0	729
60	0	0	0	0	5	85	198	170	40	0	0	0	498
65	0	0	0	0	0	32	106	84	12	0	0	0	234
70	0	0	0	0	0	9	41	29	3	0	0	0	82

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	2	7	41	135	342	583	789	753	445	195	28	4	2	9	50	185	527	1110	1899	2652	3097	3292	3320	3324
45	0	0	7	62	209	434	634	598	309	101	7	0	0	0	7	69	278	712	1346	1944	2253	2354	2361	2361
50	0	0	0	22	103	294	481	443	189	39	0	0	0	0	0	22	125	419	900	1343	1532	1571	1571	1571
55	0	0	0	5	41	169	329	293	91	8	0	0	0	0	0	5	46	215	544	837	928	936	936	936
60	0	0	0	0	5	75	184	154	33	0	0	0	0	0	0	5	80	264	418	451	451	451	451	451
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	2	14	54	126	240	387	514	496	326	180	40	12	2	16	70	196	436	823	1337	1833	2159	2339	2379	2391

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20

1971-2000

Station: TORRINGTON EXP FARM, WY

COOP ID: 488995

Climate Division: WY 8

NWS Call Sign:

Elevation: 4,098 Feet Lat: 42°05N

Lon: 104°13W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	39.5	10.3	24.9	70	1953	11	35.0	1986	-39	1930	17	8.8	1979	1243	0	.0	.0	8.1	8.4	30.1	7.3
Feb	45.0	14.9	30.0	75+	1999	26	37.7	1999	-33	1936	8	15.0	1993	982	0	.0	.0	11.7	5.2	26.9	4.0
Mar	52.0	23.0	37.5	85	1943	29	45.3	1986	-26	1948	11	31.8	1996	853	0	.0	.0	18.3	2.3	27.2	.8
Apr	61.2	30.7	46.0	91	1989	22	52.7	1977	-17	1975	2	39.8	1983	572	0	.0	.1	24.1	.5	17.9	@
May	71.0	41.3	56.2	100	1939	30	61.6	1994	11	1983	11	50.0	1995	289	15	.0	.9	29.5	.0	3.8	.0
Jun	82.4	50.2	66.3	105+	1990	28	72.7	1988	29+	1969	14	60.8	1998	71	110	.5	7.7	29.9	.0	.1	.0
Jul	89.1	55.5	72.3	111	1977	18	75.2	1989	39+	1972	4	67.7	1992	5	229	2.2	15.6	31.0	.0	.0	.0
Aug	87.3	53.1	70.2	105	1960	4	74.4	2000	32	1964	28	65.9	1992	25	185	.8	14.1	31.0	.0	.0	.0
Sep	77.7	41.9	59.8	101	1960	4	66.4	1998	10	1926	25	55.5	1985	192	36	@	4.5	29.3	.0	4.2	.0
Oct	65.4	29.7	47.6	92	1947	5	51.1	1973	-9	1991	31	44.6+	1982	541	0	.0	.2	27.2	.3	20.1	@
Nov	49.2	18.8	34.0	83	1999	1	42.7	1999	-23	1985	30	23.0	1985	930	0	.0	.0	15.0	3.6	28.1	1.7
Dec	41.0	11.3	26.2	77	1941	3	33.6	1980	-43	1923	31	13.5	1983	1205	0	.0	.0	8.8	7.3	29.8	5.8
Ann	63.4	31.7	47.6	111	Jul 1977	18	75.2	Jul 1989	-43	Dec 1923	31	8.8	Jan 1979	6908	575	3.5	43.1	263.9	27.6	188.2	19.6

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1922-2001

(3) Derived from 1971-2000 serially complete daily data

Climatology of the United States

No. 20 1971-2000

Station: TORRINGTON EXP FARM, WY

COOP ID: 488995

Climate Division: WY 8

NWS Call Sign:

Elevation: 4,098 Feet Lat: 42°05N

Lon: 104°13W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1)											
		Means/Medians(1)		Extremes						Daily Precipitation				Probability that the monthly/annual precipitation will be equal to or less than the indicated amount											
														Monthly/Annual Precipitation vs Probability Levels											
														These values were determined from the incomplete gamma distribution											
Month	Mean	Median	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95	
Jan	.31	.25	.80	1922	3	.85+	2000	.00	1989	4.3	1.1	@	.0	.02	.06	.11	.15	.20	.25	.31	.38	.48	.64	.79	
Feb	.40	.27	.88	1953	9	1.29	1993	.00	1977	3.5	1.4	@	.0	.01	.03	.08	.14	.20	.28	.37	.49	.65	.93	1.21	
Mar	.70	.52	1.36	1946	15	2.31	1990	.13	1997	5.3	2.4	.2	.0	.12	.18	.28	.38	.48	.58	.70	.85	1.05	1.36	1.67	
Apr	1.68	1.47	2.64	1945	13	3.48	1984	.15	1992	7.5	4.4	1.0	.2	.47	.63	.87	1.08	1.28	1.50	1.74	2.02	2.38	2.96	3.49	
May	2.54	2.31	2.97	1997	25	6.13	1997	.26	1973	9.8	5.5	1.6	.4	.42	.65	1.02	1.36	1.72	2.11	2.56	3.10	3.83	5.00	6.13	
Jun	2.09	1.68	5.44	1955	27	5.18	1993	.11	1980	8.7	4.9	1.2	.3	.39	.58	.89	1.17	1.46	1.77	2.12	2.55	3.12	4.02	4.89	
Jul	1.78	1.52	2.00	1941	12	3.79	1992	.22	1989	7.6	4.7	.9	.2	.39	.56	.82	1.05	1.29	1.54	1.82	2.16	2.60	3.31	3.98	
Aug	1.19	1.06	1.30	1926	22	2.59	1980	.03	1995	6.3	3.0	.8	@	.14	.23	.40	.57	.74	.94	1.17	1.46	1.85	2.49	3.11	
Sep	1.27	.85	2.73	1973	11	4.71	1973	.22	1992	5.9	3.3	.7	.1	.15	.25	.43	.60	.79	1.00	1.24	1.55	1.95	2.63	3.28	
Oct	.95	.70	1.69	1970	7	3.25	1986	.04	1973	4.7	2.5	.7	.1	.09	.16	.29	.42	.57	.73	.92	1.16	1.48	2.02	2.55	
Nov	.57	.48	1.62	1922	4	1.33	2000	.00+	1976	4.0	1.8	.2	.0	.00	.09	.20	.29	.38	.48	.59	.72	.89	1.17	1.43	
Dec	.36	.29	.70	1936	17	.97	1994	.00+	1976	3.9	1.2	.0	.0	.00	.04	.10	.16	.22	.28	.36	.45	.58	.79	.99	
Ann	13.84	13.80	5.44	Jun 1955	27	6.13	May 1997	.00+	Jan 1989	71.5	36.2	7.3	1.3	9.53	10.35	11.41	12.22	12.94	13.64	14.37	15.17	16.15	17.57	18.80	

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1922-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: TORRINGTON EXP FARM, WY

COOP ID: 488995

Climate Division: WY 8

NWS Call Sign:

Elevation: 4,098 Feet

Lat: 42°05N

Lon: 104°13W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	4.8	4.6	1	1	5.0	1978	16	12.3	1978	14	1976	3	4	1988	3.8	2.4	.4	.1	.0	10.9	5.2	2.3	.2
Feb	4.9	2.8	1	1	7.0	1990	13	23.4	1993	10	1993	27	7	1993	2.8	2.0	.7	.2	.0	6.4	3.7	2.0	.2
Mar	4.9	3.9	1	#	7.0	1988	10	24.5	1990	9	1989	2	2	1993	2.5	1.6	.8	.4	.0	4.1	1.9	1.0	.0
Apr	3.2	2.4	#	#	10.0	1986	3	11.0	1975	20	1993	13	1	1997	1.3	1.0	.3	.2	@	1.4	.4	.1	@
May	.1	.0	#	0	4.0	1979	9	4.0	1979	4	1979	9	#+	1991	.2	.1	.1	.0	.0	.1	.1	.0	.0
Jun	.0	.0	#	0	.0	0	0	.0	0	#	1999	28	#	1999	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	#	0	.0	0	0	.0	0	#	1994	15	#	1994	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.4	.0	#	0	4.5	1974	12	4.5	1974	3+	2000	24	#+	2000	.2	.1	.1	.0	.0	.1	.1	.0	.0
Oct	2.1	1.0	#	0	10.0	1997	25	10.0	1997	10	1997	25	1	1997	.8	.7	.3	.1	@	.7	.2	.1	@
Nov	4.8	3.5	1	#	8.0	1979	21	17.0	1985	12	1979	21	2	1993	2.4	1.8	.7	.3	.0	5.2	1.9	.7	.0
Dec	6.8	6.4	1	1	14.0	1975	31	17.5	1975	14	1975	31	7	1985	3.6	2.5	.7	.3	@	11.3	6.0	2.8	.2
Ann	32.0	24.6	N/A	N/A	14.0	Dec 1975	31	24.5	Mar 1990	20	Apr 1993	13	7+	Feb 1993	17.6	12.2	4.1	1.6	@	40.2	19.5	9.0	.6

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: TORRINGTON EXP FARM, WY

COOP ID: 488995

Climate Division: WY 8

NWS Call Sign:

Elevation: 4,098 Feet

Lat: 42° 05N

Lon: 104° 13W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/16	6/09	6/05	6/01	5/28	5/24	5/20	5/15	5/09
32	5/30	5/25	5/21	5/18	5/15	5/12	5/09	5/06	5/01
28	5/15	5/11	5/08	5/05	5/03	5/01	4/28	4/25	4/21
24	5/05	5/01	4/27	4/25	4/22	4/19	4/16	4/13	4/09
20	4/30	4/24	4/19	4/15	4/11	4/08	4/04	3/30	3/24
16	4/19	4/13	4/08	4/04	4/01	3/28	3/24	3/19	3/13
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/04	9/08	9/10	9/12	9/14	9/16	9/18	9/20	9/23
32	9/11	9/14	9/16	9/18	9/20	9/22	9/24	9/26	9/29
28	9/17	9/21	9/24	9/27	9/29	10/02	10/04	10/07	10/11
24	9/21	9/27	10/01	10/04	10/07	10/11	10/14	10/18	10/24
20	10/01	10/06	10/10	10/14	10/17	10/20	10/23	10/27	11/02
16	10/07	10/13	10/18	10/21	10/25	10/28	11/01	11/05	11/11
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	130	123	117	113	108	104	99	94	86
32	143	138	134	130	127	124	120	116	110
28	166	160	156	152	148	145	141	137	131
24	189	182	176	172	168	164	159	154	147
20	215	205	199	193	188	182	177	170	161
16	238	227	219	213	207	200	194	186	175

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: TORRINGTON EXP FARM, WY

COOP ID: 488995

Climate Division: WY 8

NWS Call Sign:

Elevation: 4,098 Feet Lat: 42°05N

Lon: 104°13W

Degree Days to Selected Base Temperatures (°F)

Base	Heating Degree Days (1)												
	Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
65	1243	982	853	572	289	71	5	25	192	541	930	1205	6908
60	1088	842	698	425	169	24	0	5	96	387	780	1050	5564
57	995	758	605	341	113	10	0	2	56	296	690	957	4823
55	933	702	543	288	82	5	0	1	36	238	630	895	4353
50	784	570	394	172	31	0	0	0	8	117	491	740	3307
32	312	180	41	3	0	0	0	0	0	1	117	262	916

Cooling Degree Days (1)

Base	Cooling Degree Days (1)												
	Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
32	92	122	211	422	748	1029	1248	1183	834	483	177	80	6629
55	0	0	0	16	117	344	535	471	180	7	0	0	1670
57	0	0	0	9	86	289	473	410	140	3	0	0	1410
60	0	0	0	3	49	213	380	320	90	1	0	0	1056
65	0	0	0	0	15	110	229	185	36	0	0	0	575
70	0	0	0	0	3	42	103	82	10	0	0	0	240

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	9	32	96	229	514	793	1004	946	604	275	61	19	9	41	137	366	880	1673	2677	3623	4227	4502	4563	4582
45	1	6	40	130	367	643	849	791	461	160	24	2	1	7	47	177	544	1187	2036	2827	3288	3448	3472	3474
50	0	1	11	61	235	495	694	636	323	73	3	0	0	1	12	73	308	803	1497	2133	2456	2529	2532	2532
55	0	0	0	24	128	350	539	482	205	25	0	0	0	0	0	24	152	502	1041	1523	1728	1753	1753	1753
60	0	0	0	4	57	217	386	331	108	3	0	0	0	0	0	4	61	278	664	995	1103	1106	1106	1106
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	26	55	111	200	344	496	627	592	414	263	85	31	26	81	192	392	736	1232	1859	2451	2865	3128	3213	3244

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20

1971-2000

Station: TOWER FALLS, WY

COOP ID: 489025

Climate Division: WY 1

NWS Call Sign:

Elevation: 6,266 Feet Lat: 44° 55N

Lon: 110° 25W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	27.0	-6	13.2	55	1954	30	20.5	1994	-48	1951	29	.5	1979	1608	0	.0	.0	.1	21.1	30.9	15.8
Feb	33.8	2.6	18.2	58	1986	26	25.3	1991	-42+	1996	3	8.5	1989	1310	0	.0	.0	.6	11.0	28.2	11.8
Mar	41.8	11.2	26.5	63	1972	22	33.3	1992	-34	1965	18	20.0	1976	1194	0	.0	.0	5.9	3.8	30.8	4.4
Apr	50.1	19.6	34.9	77	1987	28	40.1	1992	-11	1997	6	26.5	1975	904	0	.0	.0	15.7	.5	29.4	.6
May	60.5	27.9	44.2	84	1986	28	48.5	1992	2+	1984	1	40.8	1975	645	0	.0	.0	26.2	.0	24.1	.0
Jun	70.1	34.0	52.1	95	1990	30	58.0	1988	16+	2000	1	47.1	1998	390	1	.0	.2	29.3	.0	12.8	.0
Jul	78.7	37.3	58.0	97	1988	24	62.0	1998	20	1952	7	51.3	1993	232	15	.0	1.3	30.9	.0	5.8	.0
Aug	79.0	35.7	57.4	95+	2000	1	61.7	1971	13	1992	26	53.2	1977	244	7	.0	1.1	31.0	.0	8.0	.0
Sep	68.7	27.7	48.2	93	1955	4	54.4	1990	3	1983	20	42.7	1999	505	0	.0	.2	27.8	.1	22.8	.0
Oct	55.6	20.0	37.8	82	1992	1	44.6	1988	-15	1991	30	33.2	1984	843	0	.0	.0	21.1	.9	29.8	.4
Nov	37.0	9.5	23.3	66	1999	13	30.1	1999	-31	1959	13	15.8	2000	1253	0	.0	.0	3.6	10.0	29.8	6.7
Dec	27.1	-1	13.5	53	1999	1	23.2	1980	-49	1964	17	2.3	1990	1598	0	.0	.0	.1	21.8	31.0	16.4
Ann	52.5	18.7	35.6	97	Jul 1988	24	62.0	Jul 1998	-49	Dec 1964	17	.5	Jan 1979	10726	23	.0	2.8	192.3	69.2	283.4	56.1

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20 1971-2000

Station: TOWER FALLS, WY

COOP ID: 489025

Climate Division: WY 1

NWS Call Sign:

Elevation: 6,266 Feet Lat: 44°55N

Lon: 110°25W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1)										
														Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
Means/Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels											
													These values were determined from the incomplete gamma distribution											
Month	Mean	Median	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.21	1.06	1.10	1976	5	2.50+	1997	.14	1992	12.2	4.4	.3	@	.30	.41	.59	.74	.90	1.06	1.24	1.46	1.74	2.19	2.60
Feb	.83	.74	.74	1962	11	1.80	1978	.19	1977	9.2	3.2	@	.0	.22	.30	.42	.52	.63	.73	.85	.99	1.18	1.47	1.74
Mar	1.10	1.01	.90	1994	11	3.07	1974	.37	1973	10.1	3.6	.2	.0	.37	.47	.62	.75	.88	1.01	1.15	1.31	1.52	1.85	2.15
Apr	1.01	1.04	.92	1969	7	2.27	1993	.25	1977	8.9	3.4	.2	.0	.22	.32	.47	.60	.73	.88	1.04	1.23	1.48	1.88	2.26
May	1.87	1.79	1.24	1967	10	3.83	1991	.62+	1986	12.4	5.6	.6	.1	.59	.77	1.03	1.26	1.47	1.70	1.95	2.24	2.61	3.19	3.73
Jun	1.98	1.92	2.23	1965	26	5.78	1992	.61	1991	12.3	5.9	.6	.1	.69	.88	1.15	1.38	1.60	1.83	2.07	2.36	2.73	3.29	3.82
Jul	1.90	1.86	1.15	1952	11	4.30	1987	.20	2000	10.9	5.6	.8	@	.50	.68	.96	1.20	1.44	1.69	1.96	2.29	2.72	3.39	4.02
Aug	1.53	1.37	1.13	1977	30	3.46	1999	.22	1988	10.9	5.0	.5	.1	.44	.59	.81	1.00	1.18	1.37	1.59	1.84	2.16	2.67	3.14
Sep	1.44	1.61	1.60	2000	2	3.29	1972	.19	1987	8.0	4.1	.6	.1	.21	.33	.54	.74	.95	1.18	1.44	1.76	2.19	2.90	3.57
Oct	1.10	.96	1.08	1964	16	2.64	1975	.00	1987	7.7	3.1	.4	.0	.18	.32	.51	.66	.81	.97	1.15	1.36	1.63	2.06	2.46
Nov	1.17	1.11	.75	1986	6	2.36	1998	.22	2000	9.8	3.9	.5	.0	.33	.44	.61	.76	.90	1.04	1.21	1.40	1.65	2.04	2.41
Dec	1.19	1.08	.96	1972	3	3.05	1996	.06	1973	11.6	4.1	.3	.0	.24	.34	.52	.68	.84	1.02	1.22	1.45	1.77	2.28	2.76
Ann	16.33	16.45	2.23	Jun 1965	26	5.78	Jun 1992	.00	Oct 1987	124.0	51.9	5.0	.4	12.70	13.43	14.35	15.03	15.64	16.22	16.81	17.46	18.24	19.36	20.32

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: TOWER FALLS, WY

COOP ID: 489025

Climate Division: WY 1

NWS Call Sign:

Elevation: 6,266 Feet

Lat: 44° 55N

Lon: 110° 25W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	17.7	13.0	17	18	14.0	1978	26	41.1	1978	38	1978	26	25	1978	11.8	7.0	1.6	.5	.2	-9.9	-9.9	-9.9	-9.9
Feb	11.9	11.0	20	21	7.1	1980	15	26.1	1971	37	1978	25	34	1978	8.8	5.0	1.0	.3	.0	-9.9	-9.9	-9.9	-9.9
Mar	9.3	6.9	19	20	14.3	1979	1	25.2	1979	39	1979	1	31+	1978	6.9	3.4	1.2	.5	.1	-9.9	-9.9	-9.9	-9.9
Apr	6.3	5.5	6	5	8.0	1995	30	21.5	1991	31	1975	7	25	1975	3.6	2.2	.8	.3	.0	8.8	6.1	3.9	1.8
May	2.2	1.0	#	#	7.5	1984	5	12.5	1984	13	1975	1	2	1975	1.5	.9	.1	@	.0	1.1	.3	.1	.0
Jun	.1	.0	#	0	2.5	1979	19	2.5	1979	3	1979	19	#+	1998	.1	@	.0	.0	.0	@	@	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.5	.0	#	0	5.0	2000	22	6.0	1984	5	2000	22	#+	2000	.1	.1	.1	@	.0	.1	.1	.1	.0
Oct	2.3	1.6	#	#	10.0	1991	24	10.0	1991	15	1991	24	3	1991	1.6	1.0	.2	.1	@	2.0	.9	.5	.1
Nov	10.3	9.0	4	3	12.0	1986	6	17.7	1991	22	1975	28	11	1991	6.8	4.0	1.1	.4	.1	15.8	9.8	6.5	1.2
Dec	21.9	20.0	10	10	12.0	1989	15	37.0	1996	28	1994	5	19+	1994	10.7	6.5	2.0	.5	.1	28.9	24.7	19.2	12.6
Ann	82.5	68.0	N/A	N/A	14.3	Mar 1979	1	41.1	Jan 1978	39	Mar 1979	1	34	Feb 1978	51.9	30.1	8.1	2.6	.5	-9.9	-9.9	-9.9	-9.9

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: TOWER FALLS, WY

COOP ID: 489025

Climate Division: WY 1

NWS Call Sign:

Elevation: 6,266 Feet

Lat: 44° 55N

Lon: 110° 25W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/03	7/31	7/30	7/28	7/27	7/26	7/25	7/23	7/21
32	8/02	7/28	7/24	7/21	7/18	7/15	7/12	7/09	7/03
28	7/23	7/15	7/10	7/05	7/01	6/26	6/21	6/16	6/08
24	6/26	6/19	6/14	6/10	6/06	6/02	5/28	5/23	5/16
20	6/06	5/31	5/26	5/21	5/17	5/13	5/09	5/04	4/27
16	5/14	5/10	5/06	5/03	4/30	4/28	4/25	4/21	4/16
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	7/30	7/31	8/01	8/02	8/03	8/04	8/06	8/07	8/09
32	7/31	8/04	8/08	8/11	8/14	8/17	8/20	8/24	8/29
28	8/06	8/12	8/17	8/20	8/24	8/27	8/31	9/04	9/11
24	8/15	8/21	8/25	8/29	9/02	9/05	9/09	9/13	9/19
20	9/01	9/07	9/11	9/15	9/18	9/22	9/25	9/30	10/06
16	9/09	9/15	9/20	9/24	9/28	10/01	10/05	10/10	10/17
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	16	13	11	8	6	5	2	0	0
32	49	41	36	31	26	22	17	11	3
28	87	76	67	60	54	47	40	32	20
24	116	106	99	93	87	81	75	68	58
20	150	141	134	129	123	118	112	105	96
16	174	165	159	154	149	145	140	134	125

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: TOWER FALLS, WY

COOP ID: 489025

Climate Division: WY 1

NWS Call Sign:

Elevation: 6,266 Feet Lat: 44° 55N

Lon: 110° 25W

Degree Days to Selected Base Temperatures (°F)

Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1608	1310	1194	904	645	390	232	244	505	843	1253	1598	10726
60	1453	1170	1039	754	490	249	120	121	359	688	1103	1443	8989
57	1360	1086	946	664	398	174	72	69	277	595	1013	1350	8004
55	1298	1030	884	604	337	131	46	43	227	533	953	1288	7374
50	1143	890	729	455	198	52	12	10	122	379	803	1133	5926
32	587	396	215	62	2	0	0	0	0	27	305	585	2179

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	2	10	45	147	380	601	806	786	485	208	42	10	3522
55	0	0	0	0	2	42	139	116	22	0	0	0	321
57	0	0	0	0	1	25	103	80	13	0	0	0	222
60	0	0	0	0	0	10	58	39	5	0	0	0	112
65	0	0	0	0	0	1	15	7	0	0	0	0	23
70	0	0	0	0	0	0	2	0	0	0	0	0	2

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	0	42	178	365	565	536	270	76	2	0	0	0	0	42	220	585	1150	1686	1956	2032	2034	2034
45	0	0	0	11	79	233	412	382	152	21	0	0	0	0	0	11	90	323	735	1117	1269	1290	1290	1290
50	0	0	0	0	21	118	260	241	62	3	0	0	0	0	0	0	21	139	399	640	702	705	705	705
55	0	0	0	0	0	43	128	105	17	0	0	0	0	0	0	0	0	43	171	276	293	293	293	293
60	0	0	0	0	0	6	40	29	1	0	0	0	0	0	0	0	0	6	46	75	76	76	76	76
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	11	69	184	309	439	442	284	131	10	0	0	0	11	80	264	573	1012	1454	1738	1869	1879	1879

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20

1971-2000

Station: UPTON, WY

COOP ID: 489205

Climate Division: WY 7

NWS Call Sign:

Elevation: 4,320 Feet Lat: 44°06N

Lon: 104°37W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	31.8	5.9	18.9	65	1989	30	30.0	1981	-42	1963	19	2.4	1979	1431	0	.0	.0	1.3	15.1	30.8	10.1
Feb	36.8	11.8	24.3	68+	1995	25	36.5	1992	-33	1996	2	11.9+	1993	1140	0	.0	.0	4.2	9.6	27.9	5.8
Mar	46.8	20.8	33.8	78+	1986	30	41.5	1992	-23	1960	3	26.0	1996	966	0	.0	.0	13.2	4.4	28.6	1.7
Apr	57.4	29.6	43.5	88	1989	22	50.0	1987	-11	1975	2	36.6	1997	644	0	.0	.0	21.9	.7	19.9	.1
May	67.7	39.8	53.8	95	1969	27	59.6	1987	5	1954	3	49.2	1983	358	9	.0	.1	29.4	.0	5.8	.0
Jun	78.3	49.2	63.8	103	1954	23	73.2	1988	24	1969	24	56.6	1998	125	87	.1	4.0	29.9	.0	.5	.0
Jul	86.3	55.4	70.9	110	1954	9	74.2	1989	30	1971	29	64.4	1993	23	204	.7	12.0	31.0	.0	.1	.0
Aug	85.2	53.7	69.5	102+	2001	7	76.0	1983	32+	1976	27	62.2	1974	49	188	.2	10.1	31.0	.0	@	.0
Sep	74.6	42.6	58.6	101	1958	8	66.3	1998	15+	1972	26	53.3	1974	233	41	@	2.3	29.2	.1	4.2	.0
Oct	60.9	31.2	46.1	89	1963	4	50.8	1992	-6	1991	30	42.2	1971	587	0	.0	.0	25.1	.6	17.8	.1
Nov	43.0	18.3	30.7	76+	1999	8	41.7	1999	-33	1975	30	15.3	1985	1031	0	.0	.0	8.9	6.8	28.1	2.2
Dec	33.5	8.4	21.0	66	1995	1	29.1	1999	-42	1983	24	3.4	1983	1365	0	.0	.0	2.3	13.9	30.6	7.5
Ann	58.5	30.6	44.6	110	Jul 1954	9	76.0	Aug 1983	-42+	Dec 1983	24	2.4	Jan 1979	7952	529	1.0	28.5	227.4	51.2	194.3	27.5

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Climatology of the United States

No. 20 1971-2000

Station: UPTON, WY

COOP ID: 489205

Climate Division: WY 7

NWS Call Sign:

Elevation: 4,320 Feet Lat: 44°06N

Lon: 104°37W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1)											
														Probability that the monthly/annual precipitation will be equal to or less than the indicated amount											
Means/Medians(1)		Extremes								Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels											
														These values were determined from the incomplete gamma distribution											
Month	Mean	Median	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95	
Jan	.41	.33	.80	1950	24	1.48	1994	.00	1995	4.7	1.4	.0	.0	.03	.07	.14	.20	.26	.33	.41	.51	.64	.85	1.05	
Feb	.45	.37	1.05	1966	12	1.48	1987	.00	1983	4.1	1.6	.1	.0	.05	.11	.18	.24	.31	.38	.46	.55	.67	.87	1.06	
Mar	.66	.64	.76	1952	12	1.52+	1998	.00+	1979	4.8	2.5	.1	.0	.00	.09	.21	.32	.42	.54	.67	.82	1.03	1.36	1.68	
Apr	1.56	1.55	1.91	1971	19	3.74	1971	.11	1987	7.2	4.4	.8	.1	.31	.45	.68	.89	1.10	1.33	1.59	1.89	2.30	2.96	3.58	
May	2.44	2.08	1.95	2001	28	6.25	1991	.76	1985	9.2	6.0	1.5	.3	.83	1.06	1.40	1.68	1.96	2.24	2.54	2.90	3.36	4.07	4.73	
Jun	2.46	2.09	2.25	1976	14	6.51	1999	.39	1987	8.7	5.8	1.6	.5	.47	.69	1.05	1.39	1.72	2.09	2.50	3.00	3.66	4.72	5.72	
Jul	2.02	1.74	3.15	1976	21	5.20	1976	.47	1980	6.5	4.3	1.2	.4	.50	.69	.98	1.24	1.50	1.77	2.08	2.44	2.92	3.68	4.38	
Aug	1.39	1.34	2.32	1957	16	3.00	1998	.26	1991	5.9	3.4	.9	.2	.39	.52	.72	.90	1.07	1.24	1.44	1.67	1.98	2.45	2.89	
Sep	1.01	.77	1.35	1986	2	4.40	1986	.00	1975	4.0	3.0	.6	.1	.07	.17	.33	.48	.63	.81	1.00	1.25	1.58	2.12	2.64	
Oct	1.37	.87	2.10	1994	6	6.10	1998	.00	1999	5.0	3.1	1.0	.3	.09	.23	.44	.64	.86	1.09	1.36	1.69	2.15	2.88	3.60	
Nov	.64	.60	.76	2000	1	1.66	2000	.07	1981	4.4	2.2	.2	.0	.15	.21	.30	.38	.47	.55	.65	.77	.92	1.17	1.40	
Dec	.54	.50	1.00	1949	11	1.69	1996	.04	1986	5.2	2.1	@	.0	.09	.14	.21	.29	.36	.45	.54	.65	.81	1.05	1.29	
Ann	14.95	14.37	3.15	Jul 1976	21	6.51	Jun 1999	.00+	Oct 1999	69.7	39.8	8.0	1.9	9.39	10.41	11.75	12.78	13.71	14.62	15.57	16.63	17.93	19.85	21.52	

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: UPTON, WY

COOP ID: 489205

Climate Division: WY 7

NWS Call Sign:

Elevation: 4,320 Feet

Lat: 44°06N

Lon: 104°37W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	7.0	6.0	5	3	6.0	1971	29	20.6	1994	19	1986	5	16	1986	4.6	3.3	.8	.2	.0	19.3	14.3	9.7	4.6
Feb	6.6	5.3	4	2	8.0	1987	14	25.0	1987	25	1994	5	17	1994	3.5	2.9	.6	.2	.0	12.8	7.9	5.2	2.0
Mar	6.8	7.0	1	1	11.0	1989	17	19.5	1989	13	1998	8	5	1998	3.1	2.6	1.0	.4	@	7.6	4.2	2.5	.4
Apr	5.0	4.5	1	#	11.0	1997	5	20.5	1997	16	1997	10	8	1984	1.7	1.6	.7	.2	@	2.1	1.2	.6	.4
May	.1	.0	#	0	2.0	1988	1	2.0	1988	12	1986	9	#+	1995	.1	@	.0	.0	.0	@	.0	.0	.0
Jun	.1	.0	#	0	3.0	1998	3	3.0	1998	3	1998	3	#	1998	@	@	@	.0	.0	@	@	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	#	.0	#	0	#	1996	25	#+	1996	2	1985	28	#+	1996	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	2.5	.8	#	0	7.0	1971	2	15.0	1971	6	1971	29	1	1995	.8	.7	.4	.1	.0	.6	.4	.1	.0
Nov	7.2	6.0	1	1	6.5	1977	19	23.0	1985	13	1976	30	6	1985	3.5	2.9	1.0	.2	.0	7.2	4.0	1.3	.1
Dec	7.4	6.5	4	3	8.0	1996	25	17.2	1977	20	1996	26	15	1985	4.9	4.0	1.0	.2	.0	16.3	12.1	9.1	2.5
Ann	42.7	36.1	N/A	N/A	11.0+	Apr 1997	5	25.0	Feb 1987	25	Feb 1994	5	17	Feb 1994	22.2	18.0	5.5	1.5	@	65.9	44.1	28.5	10.0

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: UPTON, WY

COOP ID: 489205

Climate Division: WY 7

NWS Call Sign:

Elevation: 4,320 Feet

Lat: 44° 06N

Lon: 104° 37W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/29	6/22	6/16	6/11	6/07	6/02	5/28	5/23	5/15
32	6/20	6/11	6/05	5/30	5/25	5/20	5/15	5/09	4/30
28	5/23	5/18	5/14	5/12	5/09	5/06	5/03	4/30	4/25
24	5/09	5/05	5/01	4/29	4/26	4/24	4/21	4/18	4/14
20	5/01	4/26	4/23	4/20	4/18	4/15	4/13	4/09	4/05
16	4/25	4/17	4/12	4/08	4/04	3/30	3/26	3/21	3/14
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/27	9/02	9/05	9/08	9/11	9/14	9/18	9/21	9/26
32	9/07	9/11	9/14	9/16	9/19	9/21	9/23	9/26	9/30
28	9/09	9/15	9/18	9/22	9/25	9/28	10/01	10/05	10/10
24	9/15	9/22	9/27	10/01	10/05	10/09	10/13	10/18	10/25
20	9/28	10/04	10/08	10/12	10/15	10/18	10/22	10/26	11/01
16	10/11	10/16	10/20	10/24	10/27	10/30	11/03	11/07	11/12
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	125	115	108	102	96	90	84	77	67
32	146	135	128	121	115	109	103	96	85
28	160	153	147	142	138	134	129	123	116
24	188	178	172	166	161	156	150	143	134
20	205	196	190	184	179	174	169	163	154
16	229	221	215	210	206	201	196	191	183

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: UPTON, WY

COOP ID: 489205

Climate Division: WY 7

NWS Call Sign:

Elevation: 4,320 Feet Lat: 44°06N

Lon: 104°37W

Degree Days to Selected Base Temperatures (°F)

Base	Heating Degree Days (1)												
	Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
65	1431	1140	966	644	358	125	23	49	233	587	1031	1365	7952
60	1276	1000	811	497	228	58	4	17	133	433	881	1210	6548
57	1183	916	718	412	163	31	1	7	87	342	791	1117	5768
55	1121	860	656	357	126	20	0	4	62	283	731	1055	5275
50	967	730	505	234	57	5	0	0	21	155	593	902	4169
32	464	310	101	13	0	0	0	0	0	4	191	411	1494

Base	Cooling Degree Days (1)												
	Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
32	56	94	158	359	674	952	1205	1162	797	439	150	69	6115
55	0	0	0	13	87	282	492	453	169	6	0	0	1502
57	0	0	0	8	62	234	430	394	134	3	0	0	1265
60	0	0	0	3	34	170	341	310	91	1	0	0	950
65	0	0	0	0	9	87	204	188	41	0	0	0	529
70	0	0	0	0	1	34	102	97	14	0	0	0	248

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	7	48	174	437	725	965	923	567	230	32	1	0	7	55	229	666	1391	2356	3279	3846	4076	4108	4109
45	0	0	13	93	297	575	810	768	423	125	10	0	0	0	13	106	403	978	1788	2556	2979	3104	3114	3114
50	0	0	1	42	178	432	655	614	292	55	0	0	0	0	1	43	221	653	1308	1922	2214	2269	2269	2269
55	0	0	0	14	91	288	501	461	180	16	0	0	0	0	0	14	105	393	894	1355	1535	1551	1551	1551
60	0	0	0	3	33	168	353	312	96	3	0	0	0	0	0	3	36	204	557	869	965	968	968	968
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	9	60	149	291	455	617	589	381	188	33	4	0	9	69	218	509	964	1581	2170	2551	2739	2772	2776

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20

1971-2000

Station: WAMSUTTER, WY

COOP ID: 489459

Climate Division: WY 3

NWS Call Sign:

Elevation: 6,740 Feet Lat: 41° 40N

Lon: 107° 58W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	26.7	7.0	16.9	52+	1969	7	25.4	1999	-40	1979	1	2.4	1979	1494	0	.0	.0	.1	19.5	31.0	7.9
Feb	31.9	10.3	21.1	58	1963	4	30.0	1995	-39	1985	1	11.3	1989	1229	0	.0	.0	1.1	13.0	28.3	5.8
Mar	42.3	20.0	31.2	71	1971	29	36.8	1986	-18	1964	8	24.9	1984	1050	0	.0	.0	8.0	3.6	30.0	1.2
Apr	52.0	25.6	38.8	77+	1992	30	45.6	1992	-8	1975	2	31.9	1975	786	0	.0	.0	19.5	1.1	24.3	.1
May	63.1	34.0	48.6	85	1954	20	53.6+	1994	10+	1982	5	44.0	1995	509	0	.0	.0	28.4	.0	13.4	.0
Jun	75.2	42.4	58.8	97	1954	23	64.9	1988	19+	1982	9	52.8	1998	212	25	.0	.8	29.9	.0	2.2	.0
Jul	83.0	48.7	65.9	99	1998	19	69.1	2000	30+	1997	2	60.2	1993	54	80	.0	4.1	31.0	.0	.1	.0
Aug	81.2	47.0	64.1	96	1996	13	67.8	2000	23	1976	27	60.6	1987	84	56	.0	1.8	31.0	.0	.2	.0
Sep	70.4	37.9	54.2	90+	1998	5	60.7	1998	5	1965	18	49.2	1986	333	8	.0	.1	28.8	.1	7.2	.0
Oct	57.9	28.6	43.3	82	2001	1	48.8	1988	-9	1991	31	38.2	1984	674	0	.0	.0	24.8	.6	21.4	@
Nov	38.8	16.2	27.5	66+	1999	17	37.3	1999	-27	1993	26	16.9	2000	1126	0	.0	.0	6.8	8.5	28.9	2.7
Dec	28.5	8.1	18.3	59	1973	8	26.9	1980	-33	1964	17	9.5	1978	1447	0	.0	.0	.7	18.7	30.9	7.2
Ann	54.3	27.2	40.7	99	Jul 1998	19	69.1	Jul 2000	-40	Jan 1979	1	2.4	Jan 1979	8998	169	.0	6.8	210.1	65.1	217.9	24.9

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Climatology of the United States

No. 20 1971-2000

Station: WAMSUTTER, WY

COOP ID: 489459

Climate Division: WY 3

NWS Call Sign:

Elevation: 6,740 Feet Lat: 41° 40N

Lon: 107° 58W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1)										
														Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels											
													These values were determined from the incomplete gamma distribution											
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	.34	.25	.70	1998	13	1.42	1980	.00+	1990	4.6	1.3	.1	.0	.00	.01	.06	.11	.16	.23	.31	.41	.56	.81	1.06
Feb	.24	.12	.80	1989	3	1.30	1989	.01+	1988	3.5	.8	.1	.0	.01	.01	.04	.07	.10	.14	.20	.28	.38	.58	.77
Mar	.38	.28	1.30	1984	24	1.88	1998	.00	1988	3.0	1.2	.1	@	.02	.05	.11	.17	.22	.29	.37	.46	.59	.81	1.02
Apr	.75	.61	2.00	1999	22	3.16	1986	.00	1982	6.1	3.1	.2	@	.03	.09	.20	.31	.43	.56	.72	.92	1.20	1.67	2.12
May	1.10	.95	1.72	1949	5	3.29	1995	.04	1974	7.5	3.6	.4	.1	.13	.21	.37	.52	.68	.87	1.08	1.35	1.71	2.30	2.88
Jun	.72	.52	.85	1965	10	2.11	1983	.00+	1988	4.3	2.0	.3	.0	.00	.05	.16	.27	.39	.52	.69	.88	1.16	1.63	2.09
Jul	1.00	1.02	1.50	1983	26	2.42	1982	.00	1988	5.1	2.7	.5	.1	.06	.15	.30	.45	.60	.78	.98	1.23	1.57	2.13	2.67
Aug	.84	.76	1.55	1983	18	2.15	1983	.06	1991	5.1	2.6	.3	@	.10	.17	.28	.40	.52	.66	.82	1.02	1.29	1.74	2.17
Sep	.88	.72	1.50	1983	3	2.47	1983	.04	1977	5.0	2.5	.4	.1	.14	.21	.34	.46	.58	.72	.88	1.07	1.32	1.74	2.14
Oct	.59	.45	1.03	1966	13	1.74	1981	.00+	2000	5.3	2.4	.2	.0	.00	.00	.08	.19	.30	.42	.56	.74	.99	1.39	1.79
Nov	.40	.34	.55+	1995	27	1.16	1992	.02	1997	5.1	1.4	.1	.0	.05	.08	.14	.19	.25	.32	.40	.49	.62	.83	1.04
Dec	.23	.16	1.35	1974	7	1.40	1974	.00+	1989	3.8	1.0	@	@	.00	.02	.06	.09	.13	.18	.22	.29	.37	.51	.64
Ann	7.47	7.16	2.00	Apr 1999	22	3.29	May 1995	.00+	Oct 2000	58.4	24.6	2.7	.3	4.09	4.68	5.47	6.09	6.65	7.22	7.81	8.47	9.30	10.54	11.63

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: WAMSUTTER, WY

COOP ID: 489459

Climate Division: WY 3

NWS Call Sign:

Elevation: 6,740 Feet

Lat: 41° 40N

Lon: 107° 58W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	5.9	6.0	2	1	7.0	1992	7	17.0	1994	14	1993	19	11	1993	2.7	1.8	.7	.1	.0	-9.9	-9.9	-9.9	-9.9
Feb	4.6	2.3	1	#	10.0	1989	3	17.0	1989	8	1994	14	5	1994	2.0	1.2	.5	.2	.1	-9.9	-9.9	-9.9	-9.9
Mar	2.7	2.4	#	#	13.5	1998	19	13.5	1998	5	1977	10	#+	2000	2.0	1.7	.3	.2	.1	1.2	.1	.1	.0
Apr	2.6	2.0	#	#	8.0	1975	26	12.5	1975	8	1974	13	#+	2000	1.2	1.1	.2	.1	.0	.9	.4	.0	.0
May	1.0	.0	#	0	12.0	2000	18	12.0	2000	6	1995	3	1	1995	.2	.2	.1	.1	.1	.0	.0	.0	.0
Jun	.1	.0	#	0	2.0	1974	8	2.0	1974	2	1974	8	#+	1990	.1	.1	.0	.0	.0	.1	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.6	.0	#	0	6.0	2000	23	11.0	2000	1	1995	21	#	1995	.2	.1	.1	.1	.0	@	.0	.0	.0
Oct	1.3	.0	#	0	8.0	1995	23	14.0	1995	12	1995	23	1	1995	.4	.4	.1	.1	.0	.5	.1	.1	.1
Nov	4.0	2.4	#	#	7.5	1992	28	16.8	1992	6	1991	29	1	1995	2.2	1.4	.5	.2	.0	1.8	.5	.2	.0
Dec	2.3	2.0	1	#	4.5	1992	16	6.5	1992	5	1991	3	3	1992	1.5	1.0	.3	.0	.0	-9.9	-9.9	-9.9	-9.9
Ann	25.1	17.1	N/A	N/A	13.5	Mar 1998	19	17.0+	Jan 1994	14	Jan 1993	19	11	Jan 1993	12.5	9.0	2.8	1.1	.3	-9.9	-9.9	-9.9	-9.9

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: WAMSUTTER, WY

COOP ID: 489459

Climate Division: WY 3

NWS Call Sign:

Elevation: 6,740 Feet

Lat: 41° 40N

Lon: 107° 58W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	7/09	7/03	6/29	6/25	6/22	6/18	6/14	6/10	6/04
32	6/26	6/21	6/17	6/13	6/10	6/07	6/04	5/31	5/25
28	6/14	6/07	6/03	5/30	5/26	5/22	5/18	5/14	5/07
24	5/30	5/24	5/20	5/16	5/13	5/09	5/05	5/01	4/25
20	5/20	5/13	5/09	5/05	5/01	4/27	4/23	4/19	4/12
16	5/02	4/26	4/22	4/18	4/14	4/11	4/07	4/02	3/27
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/09	8/16	8/21	8/26	8/30	9/03	9/07	9/12	9/19
32	8/26	8/31	9/04	9/07	9/10	9/13	9/17	9/20	9/26
28	9/07	9/11	9/14	9/16	9/18	9/20	9/22	9/25	9/29
24	9/11	9/16	9/20	9/23	9/26	9/29	10/02	10/06	10/11
20	9/16	9/22	9/27	10/01	10/05	10/09	10/13	10/18	10/24
16	9/29	10/06	10/10	10/14	10/18	10/22	10/26	10/30	11/06
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	95	86	79	74	69	63	58	51	42
32	115	107	101	96	92	87	82	76	68
28	138	130	124	119	114	110	105	99	90
24	161	152	146	141	136	131	125	119	110
20	183	174	167	162	156	151	145	138	129
16	216	206	198	192	186	180	174	167	157

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: WAMSUTTER, WY

COOP ID: 489459

Climate Division: WY 3

NWS Call Sign:

Elevation: 6,740 Feet Lat: 41° 40N

Lon: 107° 58W

Degree Days to Selected Base Temperatures (°F)

Base	Heating Degree Days (1)												
	Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
65	1494	1229	1050	786	509	212	54	84	333	674	1126	1447	8998
60	1339	1089	895	636	357	111	11	25	207	519	976	1292	7457
57	1246	1005	802	546	271	67	3	10	144	427	886	1199	6606
55	1184	949	740	489	219	45	1	5	109	366	826	1137	6070
50	1029	809	585	349	110	12	0	1	44	225	676	982	4822
32	496	332	122	36	1	0	0	0	0	8	225	450	1670

Base	Cooling Degree Days (1)												
	Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
32	25	27	94	240	514	803	1049	995	665	357	89	26	4884
55	0	0	0	3	19	159	337	287	84	2	0	0	891
57	0	0	0	0	10	121	277	230	59	1	0	0	698
60	0	0	0	0	3	75	192	152	32	0	0	0	454
65	0	0	0	0	0	25	80	56	8	0	0	0	169
70	0	0	0	0	0	6	17	10	1	0	0	0	34

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	21	101	303	578	817	761	460	176	15	0	0	0	21	122	425	1003	1820	2581	3041	3217	3232	3232
45	0	0	0	44	175	431	662	606	323	82	0	0	0	0	0	44	219	650	1312	1918	2241	2323	2323	2323
50	0	0	0	13	82	293	507	451	202	29	0	0	0	0	0	13	95	388	895	1346	1548	1577	1577	1577
55	0	0	0	0	23	169	354	299	98	2	0	0	0	0	0	0	23	192	546	845	943	945	945	945
60	0	0	0	0	0	72	205	156	33	0	0	0	0	0	0	0	0	72	277	433	466	466	466	466
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	24	107	237	394	538	509	336	163	19	0	0	0	24	131	368	762	1300	1809	2145	2308	2327	2327

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20

1971-2000

Station: WESTON 1 E, WY

COOP ID: 489580

Climate Division: WY 5

NWS Call Sign:

Elevation: 3,525 Feet Lat: 44° 38N

Lon: 105° 18W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	38.1	7.8	23.0	70	1981	23	34.2	1981	-39	1963	19	4.9	1979	1303	0	.0	.0	3.2	11.5	30.7	9.1
Feb	44.8	13.7	29.3	79	1995	24	38.3	1999	-47	1989	3	14.4	1989	1002	0	.0	.0	7.7	7.1	27.4	5.0
Mar	52.3	22.0	37.2	79	1986	27	45.5	1986	-29	1978	3	27.4	1996	865	0	.0	.0	15.3	3.3	27.2	1.7
Apr	60.6	30.4	45.5	88+	1989	21	52.0	1981	-4	1997	12	37.5	1997	585	0	.0	.0	22.4	.8	18.0	.1
May	69.6	39.8	54.7	95	1969	27	58.8	1987	11	1983	13	49.9	1983	326	6	.0	.4	29.7	.0	5.4	.0
Jun	79.2	48.5	63.9	104	1988	20	74.6	1988	28	1969	14	57.6	1998	122	88	.6	4.5	29.9	.0	.3	.0
Jul	87.7	53.8	70.8	108	1981	6	74.9	1989	35	1971	28	62.8	1993	36	213	1.9	13.3	31.0	.0	.0	.0
Aug	87.1	52.0	69.6	106	1965	12	76.7	1983	30	1992	30	64.1	1993	47	189	.9	13.1	31.0	.0	.1	.0
Sep	76.1	41.3	58.7	103	1978	6	66.0	1998	15	1984	25	54.7	1993	222	32	.3	3.5	29.1	.0	4.4	.0
Oct	62.8	30.6	46.7	90+	1992	2	50.1	1983	-17	1991	30	43.0	1984	566	0	.0	.1	26.1	.5	17.8	.1
Nov	46.3	18.4	32.4	77+	1999	15	44.0	1999	-28+	1985	27	16.7	1985	980	0	.0	.0	11.6	5.2	27.5	2.3
Dec	38.2	9.4	23.8	68	1973	1	32.0	1979	-47	1983	24	5.5	1983	1278	0	.0	.0	4.1	10.3	30.3	6.6
Ann	61.9	30.6	46.3	108	Jul 1981	6	76.7	Aug 1983	-47+	Feb 1989	3	4.9	Jan 1979	7332	528	3.7	34.9	241.1	38.7	189.1	24.9

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1951-2001

(3) Derived from 1971-2000 serially complete daily data

Climatology of the United States

No. 20 1971-2000

Station: WESTON 1 E, WY

COOP ID: 489580

Climate Division: WY 5

NWS Call Sign:

Elevation: 3,525 Feet Lat: 44° 38N

Lon: 105° 18W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
		Means/Medians(1)		Extremes						Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Median	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	.32	.24	1.25	1999	11	1.25	1999	.00	1998	4.4	.9	.1	@	.01	.04	.09	.14	.19	.25	.31	.40	.51	.70	.89
Feb	.30	.24	1.00+	1955	3	1.65	1978	.00+	1999	3.5	1.1	.1	.0	.00	.00	.06	.11	.17	.23	.29	.38	.50	.69	.89
Mar	.58	.48	.80	1995	12	1.26	1989	.00	2000	5.4	1.9	.2	.0	.06	.13	.22	.31	.39	.48	.59	.71	.88	1.14	1.40
Apr	1.35	1.29	2.52	1990	27	3.56	1990	.08	1981	7.6	4.1	.5	.1	.25	.37	.57	.75	.94	1.14	1.37	1.65	2.01	2.61	3.17
May	2.54	2.08	3.01	1968	27	8.26	1978	.45	1983	9.6	6.4	1.5	.3	.66	.90	1.26	1.59	1.91	2.25	2.62	3.07	3.65	4.57	5.42
Jun	2.50	2.57	4.25	1998	22	6.74	1998	.34	1988	8.4	5.5	1.5	.3	.58	.81	1.17	1.50	1.83	2.18	2.57	3.03	3.65	4.62	5.54
Jul	1.48	1.36	2.87	1958	19	3.41	1997	.31	1975	6.6	3.9	.8	.2	.30	.44	.66	.85	1.05	1.27	1.51	1.80	2.19	2.81	3.39
Aug	1.06	1.22	1.39	1995	26	2.72	1980	.00	1988	4.7	2.7	.6	.1	.04	.13	.29	.44	.61	.80	1.02	1.30	1.68	2.31	2.93
Sep	1.11	.94	1.43	1986	25	5.47	1986	.21	1983	5.0	2.9	.6	.1	.16	.26	.42	.57	.73	.91	1.11	1.36	1.69	2.23	2.75
Oct	1.27	.86	2.45	1994	16	5.94	1994	.20+	1991	4.9	2.8	.8	.2	.12	.20	.38	.55	.74	.96	1.22	1.55	2.00	2.75	3.48
Nov	.46	.36	.90	1989	27	1.50	1989	.02	1981	4.2	1.7	.1	.0	.06	.09	.16	.22	.29	.37	.45	.56	.71	.95	1.18
Dec	.33	.33	.50+	1982	9	1.25	1996	.00+	1999	4.6	1.2	@	.0	.00	.00	.06	.13	.19	.26	.33	.42	.55	.74	.94
Ann	13.30	12.79	4.25	Jun 1998	22	8.26	May 1978	.00+	Mar 2000	68.9	35.1	6.8	1.3	8.66	9.53	10.66	11.53	12.31	13.07	13.86	14.74	15.81	17.39	18.77

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1951-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: WESTON 1 E, WY

COOP ID: 489580

Climate Division: WY 5

NWS Call Sign:

Elevation: 3,525 Feet

Lat: 44° 38N

Lon: 105° 18W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	5.9	4.0	4	3	8.0	1986	21	18.0	1994	16	1977	17	11	1977	3.6	2.7	.3	.1	.0	17.2	13.9	8.6	2.3
Feb	5.7	6.3	3	1	6.0	1977	22	17.3	1978	18	1978	20	12	1979	3.0	2.5	.5	.1	.0	10.0	6.5	4.5	2.3
Mar	7.0	8.0	2	1	8.0	1983	6	13.2	1982	12	1979	4	8	1979	3.4	3.0	.8	.3	.0	7.4	5.2	2.9	.6
Apr	3.9	2.0	1	#	18.0	1984	25	18.0	1984	22	1984	26	6	1997	1.7	1.6	.6	.2	.1	1.6	1.0	.7	.3
May	1.1	.0	#	0	8.0	1975	20	8.0+	1986	7	1984	1	1	1984	.2	.2	.2	.1	.0	.1	@	@	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.5	.0	#	0	4.0	1984	24	7.0	1984	2	1984	24	#+	2000	.2	.2	.1	.0	.0	@	.0	.0	.0
Oct	2.2	1.0	#	#	8.0	1973	10	12.0	1973	7	1973	10	1	1991	1.0	.8	.3	.1	.0	1.0	.3	.1	.0
Nov	4.9	4.4	1	1	6.0	1985	18	12.0	1986	14	1985	30	6	1985	2.6	2.3	.6	.2	.0	5.5	3.5	1.2	.2
Dec	6.1	4.8	3	2	7.0	1972	4	14.0+	1989	14	1985	2	10	1983	3.2	2.8	.8	.2	.0	14.2	8.4	5.3	.8
Ann	37.3	30.5	N/A	N/A	18.0	Apr 1984	25	18.0+	Jan 1994	22	Apr 1984	26	12	Feb 1979	18.9	16.1	4.2	1.3	.1	57.0	38.8	23.3	6.5

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: WESTON 1 E, WY

COOP ID: 489580

Climate Division: WY 5

NWS Call Sign:

Elevation: 3,525 Feet

Lat: 44° 38N

Lon: 105° 18W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/28	6/20	6/15	6/10	6/06	6/01	5/28	5/22	5/15
32	6/09	6/03	5/29	5/25	5/22	5/18	5/14	5/10	5/03
28	5/19	5/15	5/12	5/09	5/07	5/04	5/01	4/28	4/24
24	5/11	5/07	5/04	5/01	4/29	4/26	4/24	4/20	4/16
20	5/02	4/27	4/23	4/19	4/16	4/13	4/10	4/06	3/31
16	4/27	4/20	4/15	4/10	4/06	4/02	3/29	3/24	3/17
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/31	9/03	9/05	9/07	9/09	9/11	9/13	9/16	9/19
32	9/06	9/10	9/12	9/15	9/17	9/19	9/21	9/24	9/27
28	9/12	9/17	9/20	9/23	9/25	9/28	9/30	10/04	10/08
24	9/14	9/21	9/25	9/29	10/03	10/06	10/10	10/15	10/21
20	9/22	9/29	10/04	10/09	10/13	10/17	10/21	10/26	11/02
16	10/13	10/18	10/22	10/25	10/28	10/31	11/03	11/07	11/12
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	117	110	104	99	95	90	86	80	72
32	139	131	126	121	117	113	108	103	95
28	158	152	148	144	141	137	134	130	124
24	176	169	164	160	156	152	148	143	136
20	198	191	187	182	179	175	171	166	159
16	224	217	212	208	204	200	195	190	183

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: WESTON 1 E, WY

COOP ID: 489580

Climate Division: WY 5

NWS Call Sign:

Elevation: 3,525 Feet Lat: 44° 38N

Lon: 105° 18W

Degree Days to Selected Base Temperatures (°F)

Base	Heating Degree Days (1)												
	Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
65	1303	1002	865	585	326	122	36	47	222	566	980	1278	7332
60	1148	862	710	439	194	54	11	15	119	411	830	1123	5916
57	1055	786	617	356	130	28	4	6	73	320	740	1030	5145
55	995	734	557	303	95	17	1	3	49	261	687	968	4670
50	849	604	413	187	35	4	0	0	13	135	547	822	3609
32	378	235	67	7	0	0	0	0	0	3	169	351	1210

Cooling Degree Days (1)

Base	Cooling Degree Days (1)												
	Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
32	98	157	226	412	703	956	1201	1164	800	460	179	96	6452
55	2	12	2	17	85	283	489	454	159	5	7	0	1515
57	0	8	0	11	58	234	429	395	123	2	0	0	1260
60	0	0	0	4	29	170	344	311	79	0	0	0	937
65	0	0	0	0	6	88	213	189	32	0	0	0	528
70	0	0	0	0	1	35	117	99	10	0	0	0	262

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	1	16	69	198	449	721	954	921	565	253	49	7	1	17	86	284	733	1454	2408	3329	3894	4147	4196	4203
45	0	3	26	103	304	572	799	766	421	141	17	1	0	3	29	132	436	1008	1807	2573	2994	3135	3152	3153
50	0	0	5	47	177	424	644	611	287	63	2	0	0	0	5	52	229	653	1297	1908	2195	2258	2260	2260
55	0	0	0	17	90	279	489	457	175	19	0	0	0	0	0	17	107	386	875	1332	1507	1526	1526	1526
60	0	0	0	4	31	162	337	305	86	3	0	0	0	0	0	4	35	197	534	839	925	928	928	928
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	3	34	75	164	299	452	597	577	388	216	58	12	3	37	112	276	575	1027	1624	2201	2589	2805	2863	2875

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20

1971-2000

Station: WHEATLAND 4 N, WY

COOP ID: 489615

Climate Division: WY 8

NWS Call Sign:

Elevation: 4,638 Feet Lat: 42°07N

Lon: 104°57W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	41.0	16.1	28.6	70	1982	26	38.7	1986	-36	1979	7	13.4	1979	1131	0	.0	.0	8.5	7.3	26.7	5.4
Feb	45.5	19.6	32.6	74+	1962	11	40.4	1999	-33	1936	8	20.4	1989	909	0	.0	.0	11.5	4.5	23.2	2.9
Mar	53.6	25.4	39.5	81+	1986	30	47.0	1986	-25	1948	11	34.4	1980	790	0	.0	.0	19.7	2.0	24.2	.4
Apr	61.9	31.6	46.8	90	1949	28	52.7	1981	-22	1975	2	40.2	1983	548	0	.0	.0	24.7	.3	15.7	@
May	71.1	40.8	56.0	97	1969	27	61.5	1994	13	1983	12	49.9	1995	292	12	.0	.4	30.0	.0	3.8	.0
Jun	82.1	49.5	65.8	106	1954	23	73.7	1988	28	1951	2	61.4	1993	79	103	.4	6.9	30.0	.0	.1	.0
Jul	89.0	55.1	72.1	107	1982	22	75.0	2000	35	1915	4	67.7	1992	7	225	1.8	15.2	31.0	.0	.0	.0
Aug	87.5	53.2	70.4	103+	2001	5	75.2	1983	35	1965	31	66.1	1974	19	186	.3	12.5	31.0	.0	.0	.0
Sep	78.3	43.4	60.9	101+	2001	4	67.0	1998	12+	1985	30	56.2	1974	166	43	@	3.5	29.3	.0	3.3	.0
Oct	66.3	33.8	50.1	90	1922	3	53.3	1983	-9	1991	31	46.1	1984	463	0	.0	.0	28.1	.2	13.8	.1
Nov	50.2	24.7	37.5	81	1999	7	48.4	1999	-18+	2000	12	26.3	2000	828	0	.0	.0	15.7	3.1	22.4	1.0
Dec	42.2	17.6	29.9	76+	1915	22	38.1	1980	-39	1989	22	16.5	1983	1089	0	.0	.0	9.4	6.0	26.3	3.8
Ann	64.1	34.2	49.2	107	Jul 1982	22	75.2	Aug 1983	-39	Dec 1989	22	13.4	Jan 1979	6321	569	2.5	38.5	268.9	23.4	159.5	13.6

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1915-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20 1971-2000

Station: WHEATLAND 4 N, WY

COOP ID: 489615

Climate Division: WY 8

NWS Call Sign:

Elevation: 4,638 Feet Lat: 42°07N

Lon: 104°57W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount											
		Means/Medians(1)		Extremes						Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution											
Month	Mean	Median	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95	
Jan	.22	.14	.76	1921	24	.67	1978	.00+	1992	3.4	.8	@	.0	.00	.02	.06	.09	.13	.17	.22	.28	.36	.49	.62	
Feb	.30	.27	.75	2000	17	1.21	2000	.00+	1977	2.8	1.4	.1	.0	.00	.01	.06	.10	.15	.21	.28	.37	.50	.72	.93	
Mar	.63	.32	1.25	1990	6	2.05	1983	.06	1974	4.4	1.9	.2	@	.05	.09	.17	.25	.35	.46	.59	.76	.99	1.39	1.78	
Apr	1.46	1.27	3.10	1925	1	4.05	1971	.15	1992	6.1	3.9	.8	.2	.35	.48	.70	.89	1.08	1.28	1.51	1.77	2.13	2.69	3.21	
May	2.47	2.02	3.57	1971	5	6.93	1995	.44	1973	8.9	5.7	1.2	.4	.61	.84	1.20	1.52	1.84	2.17	2.55	2.99	3.58	4.50	5.37	
Jun	1.99	1.54	2.42	1986	13	5.60	1986	.04	1980	7.2	4.3	1.3	.3	.18	.32	.59	.87	1.17	1.51	1.92	2.42	3.12	4.28	5.42	
Jul	1.78	1.42	1.80	1984	22	5.92	1984	.11	1989	6.6	3.9	1.1	.3	.32	.47	.73	.98	1.22	1.49	1.80	2.17	2.66	3.46	4.22	
Aug	1.25	1.20	1.95	1978	1	3.25	1998	.08	1995	6.0	3.1	.7	.2	.22	.33	.51	.68	.86	1.05	1.27	1.53	1.88	2.45	2.99	
Sep	1.27	.88	2.71	1973	11	4.61	1982	.00	1977	5.7	3.3	.7	.1	.04	.14	.31	.50	.70	.93	1.21	1.55	2.04	2.84	3.64	
Oct	.87	.80	2.03	1995	22	2.77	1998	.05	1973	4.5	2.2	.5	.1	.09	.15	.27	.40	.53	.68	.85	1.07	1.36	1.85	2.33	
Nov	.52	.43	1.32	1979	20	2.07	1983	.00+	1984	3.2	1.6	.3	@	.00	.04	.13	.21	.29	.39	.51	.65	.85	1.17	1.49	
Dec	.28	.24	.90	1915	15	.90	1987	.00	1991	2.7	1.0	.1	.0	.01	.03	.07	.11	.16	.21	.27	.35	.45	.63	.81	
Ann	13.04	12.73	3.57	May 1971	5	6.93	May 1995	.00+	Jan 1992	61.5	33.1	7.0	1.6	8.01	8.94	10.15	11.09	11.94	12.77	13.64	14.61	15.80	17.57	19.11	

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1915-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: WHEATLAND 4 N, WY

COOP ID: 489615

Climate Division: WY 8

NWS Call Sign:

Elevation: 4,638 Feet

Lat: 42° 07N

Lon: 104° 57W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	4.4	3.0	1	#	6.0	1972	12	22.5	1980	12	1988	5	6	1988	3.3	2.7	.6	.1	.0	6.0	2.3	1.0	.4
Feb	5.3	3.5	1	#	8.0	1993	10	17.0	1993	8	1990	14	3	1993	2.4	2.1	.7	.2	.0	4.9	2.3	1.2	.0
Mar	6.0	3.9	#	#	18.0	1990	6	19.0	1980	16	1990	6	4	1989	2.8	2.4	.7	.2	.1	2.8	1.1	.5	.1
Apr	4.0	2.8	#	#	6.0	1973	19	13.0	1973	6	1991	12	1	1973	1.9	1.6	.6	.1	.0	1.3	.4	.1	.0
May	.9	.0	#	0	8.0	1983	17	10.0	1983	2	1983	17	#+	1999	.4	.4	.1	@	.0	.1	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	1.0	.0	#	0	10.0	2000	22	12.0	2000	9	2000	22	#+	2000	.4	.3	.1	.1	@	.2	.1	.1	.0
Oct	2.2	1.0	#	#	8.0	1975	23	14.0	1997	13	1997	25	1	1997	.9	.7	.3	.2	.0	.9	.4	.2	.1
Nov	5.5	2.8	1	#	26.0	1979	20	31.0	1979	24	1979	21	6	1979	2.5	2.1	.7	.4	.1	3.7	1.7	.9	.4
Dec	6.5	6.0	1	1	9.5	1975	16	17.0	1987	15	1987	27	4	1985	3.2	2.7	.7	.4	.0	6.4	2.9	1.2	.2
Ann	35.8	23.0	N/A	N/A	26.0	Nov 1979	20	31.0	Nov 1979	24	Nov 1979	21	6+	Jan 1988	17.8	15.0	4.5	1.7	.2	26.3	11.2	5.2	1.2

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: WHEATLAND 4 N, WY

COOP ID: 489615

Climate Division: WY 8

NWS Call Sign:

Elevation: 4,638 Feet

Lat: 42° 07N

Lon: 104° 57W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/15	6/09	6/05	6/02	5/29	5/26	5/22	5/18	5/13
32	5/30	5/25	5/21	5/18	5/15	5/12	5/09	5/05	4/30
28	5/14	5/10	5/07	5/04	5/01	4/29	4/26	4/23	4/18
24	5/06	5/01	4/28	4/25	4/22	4/20	4/17	4/14	4/09
20	4/25	4/20	4/17	4/14	4/11	4/08	4/05	4/02	3/28
16	4/20	4/13	4/09	4/05	4/01	3/28	3/24	3/19	3/12
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/04	9/08	9/11	9/13	9/15	9/17	9/19	9/22	9/26
32	9/10	9/14	9/16	9/19	9/21	9/23	9/25	9/28	10/01
28	9/18	9/22	9/25	9/27	9/30	10/02	10/04	10/07	10/12
24	9/26	10/01	10/04	10/08	10/11	10/14	10/17	10/21	10/26
20	10/05	10/10	10/14	10/17	10/21	10/24	10/27	10/31	11/05
16	10/10	10/16	10/21	10/25	10/28	11/01	11/05	11/09	11/15
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	130	122	117	112	108	104	99	93	86
32	147	140	136	132	128	124	120	116	109
28	169	163	158	154	151	147	143	138	132
24	192	185	179	175	171	166	162	156	149
20	217	208	202	197	192	187	182	175	167
16	236	227	220	215	210	205	199	193	184

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: WHEATLAND 4 N, WY

COOP ID: 489615

Climate Division: WY 8

NWS Call Sign:

Elevation: 4,638 Feet Lat: 42°07N

Lon: 104°57W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1131	909	790	548	292	79	7	19	166	463	828	1089	6321
60	976	769	635	402	170	28	0	3	77	310	678	934	4982
57	883	685	542	319	112	12	0	1	42	223	595	841	4255
55	823	629	481	266	81	7	0	0	25	172	539	779	3802
50	679	500	335	155	29	1	0	0	5	73	404	628	2809
32	243	136	24	2	0	0	0	0	0	1	86	186	678

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	135	151	257	444	742	1014	1242	1190	867	560	248	121	6971
55	2	0	0	19	110	330	529	477	202	18	11	0	1698
57	0	0	0	11	79	276	467	416	158	8	7	0	1422
60	0	0	0	4	44	202	374	325	104	2	0	0	1055
65	0	0	0	0	12	103	225	186	43	0	0	0	569
70	0	0	0	0	2	39	102	79	12	0	0	0	234

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	34	52	112	243	502	781	999	949	632	341	110	38	34	86	198	441	943	1724	2723	3672	4304	4645	4755	4793
45	10	18	52	136	352	631	844	794	484	215	53	13	10	28	80	216	568	1199	2043	2837	3321	3536	3589	3602
50	0	2	19	62	218	483	689	639	346	108	22	3	0	2	21	83	301	784	1473	2112	2458	2566	2588	2591
55	0	0	1	22	114	334	535	484	217	44	3	0	0	0	1	23	137	471	1006	1490	1707	1751	1754	1754
60	0	0	0	3	46	204	382	330	116	10	0	0	0	0	0	3	49	253	635	965	1081	1091	1091	1091
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	27	44	113	199	332	491	625	601	428	268	84	34	27	71	184	383	715	1206	1831	2432	2860	3128	3212	3246

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20

1971-2000

Station: WORLAND, WY

COOP ID: 489770

Climate Division: WY 4

NWS Call Sign:

Elevation: 4,060 Feet Lat: 44°01N

Lon: 107°58W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	27.9	2.4	15.2	63	1966	9	31.3	1981	-51	1930	17	-5.2	1979	1545	0	.0	.0	.9	17.1	30.9	12.1
Feb	37.6	9.9	23.8	72	1982	22	34.2	1991	-51	1933	9	10.6	1989	1155	0	.0	.0	4.6	7.1	28.2	5.5
Mar	49.8	22.0	35.9	81	1986	29	44.2	1986	-26	1922	1	26.3	1996	902	0	.0	.0	16.9	2.5	28.2	.9
Apr	60.2	31.4	45.8	89	1987	29	52.1	1987	-18	1936	2	36.5	1975	575	0	.0	.0	24.3	.3	15.7	.0
May	70.0	41.9	56.0	96	1987	16	61.1	1994	18	1954	1	50.6	1975	294	13	.0	.6	29.6	.0	2.5	.0
Jun	81.3	50.6	66.0	104+	1970	28	74.3	1988	29	1951	3	60.1	1993	88	117	.6	7.1	29.9	.0	.0	.0
Jul	89.8	55.1	72.5	106+	1989	6	76.5	1998	36+	1972	19	64.0	1993	19	248	2.4	17.8	31.0	.0	.0	.0
Aug	88.6	52.3	70.5	105	1983	8	76.6	1983	17	1924	17	65.6	1993	32	201	.9	15.6	31.0	.0	.0	.0
Sep	75.9	40.8	58.4	102	1931	7	65.9	1998	12	1926	25	53.3	1985	234	34	.1	3.3	29.0	@	3.2	.0
Oct	61.7	30.5	46.1	90	1980	1	50.1	1979	-3	1991	31	41.4	1971	586	0	.0	@	26.2	.5	17.1	@
Nov	42.8	17.2	30.0	79	1916	1	40.0	1999	-28	1955	16	14.9	1985	1051	0	.0	.0	10.2	5.6	29.1	2.3
Dec	30.6	6.0	18.3	68+	1999	1	29.0	1980	-44	1978	31	4.4+	1983	1447	0	.0	.0	1.7	15.0	31.0	8.1
Ann	59.7	30.0	44.9	106+	1989	6	76.6	1983	-51+	1933	9	-5.2	1979	7928	613	4.0	44.4	235.3	48.1	185.9	28.9

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1915-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20 1971-2000

Station: WORLAND, WY

COOP ID: 489770

Climate Division: WY 4

NWS Call Sign:

Elevation: 4,060 Feet Lat: 44°01N

Lon: 107°58W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1)										
		Means/Medians(1)		Extremes						Daily Precipitation				Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
														Monthly/Annual Precipitation vs Probability Levels										
														These values were determined from the incomplete gamma distribution										
Month	Mean	Median	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	.27	.24	1.12	1995	16	1.27	1995	.00+	1992	4.2	.7	@	@	.00	.02	.06	.10	.15	.20	.26	.33	.43	.60	.76
Feb	.19	.15	.46	1928	16	.60	1978	.00+	1999	3.4	.6	.0	.0	.00	.00	.03	.06	.10	.13	.18	.24	.32	.46	.59
Mar	.42	.35	1.47	1918	27	1.16	1990	.00	1979	4.8	1.5	.1	.0	.03	.07	.13	.20	.26	.33	.42	.52	.66	.88	1.10
Apr	.86	.86	2.10	1944	28	1.92	1991	.05	1987	5.7	2.5	.3	@	.13	.20	.32	.44	.57	.70	.86	1.05	1.31	1.73	2.14
May	1.62	1.26	2.30	1978	18	4.93	1978	.10	1994	8.9	4.3	.8	.2	.21	.35	.58	.80	1.04	1.30	1.60	1.98	2.48	3.31	4.11
Jun	1.15	1.12	2.05	1945	23	2.32	1998	.23	1974	8.2	3.5	.6	.0	.29	.39	.56	.71	.86	1.01	1.18	1.39	1.65	2.08	2.47
Jul	.70	.63	1.80+	1931	29	2.50	1992	.00+	1996	5.3	2.3	.3	@	.00	.00	.15	.27	.39	.53	.69	.88	1.15	1.59	2.02
Aug	.58	.49	1.22	1922	2	1.86	1989	.02	1995	5.1	1.7	.3	.0	.05	.10	.17	.25	.34	.44	.56	.71	.91	1.25	1.58
Sep	.87	.80	1.35	1915	26	1.97	1995	.00	1979	5.5	2.6	.3	.1	.08	.18	.33	.46	.59	.73	.89	1.08	1.34	1.75	2.15
Oct	.75	.56	1.25	1993	8	3.11	1971	.13	1987	5.2	2.4	.2	.1	.08	.14	.24	.35	.46	.58	.73	.91	1.16	1.57	1.98
Nov	.37	.30	.65	1991	14	1.11	1991	.03	1981	4.3	1.4	.1	.0	.04	.07	.13	.18	.23	.29	.36	.45	.57	.77	.96
Dec	.25	.21	.45	1979	23	.73	1989	.00+	1994	3.7	.9	.0	.0	.00	.00	.06	.10	.15	.19	.25	.32	.41	.56	.70
Ann	8.03	7.71	2.30	May 1978	18	4.93	May 1978	.00+	Feb 1999	64.3	24.4	3.0	.4	5.12	5.66	6.36	6.91	7.40	7.87	8.37	8.93	9.60	10.60	11.48

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1915-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: WORLAND, WY

COOP ID: 489770

Climate Division: WY 4

NWS Call Sign:

Elevation: 4,060 Feet

Lat: 44° 01N

Lon: 107° 58W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	3.7	4.0	2	#	8.0	1995	16	9.8	1976	12	1993	27	10	1993	1.8	1.4	.6	.1	.0	-9.9	-9.9	-9.9	-9.9
Feb	2.6	1.1	1	#	5.0	1978	12	10.0	1978	12	1993	27	9	1993	1.6	1.1	.3	.1	.0	4.7	1.5	.0	.0
Mar	3.5	3.5	#	0	5.6	1996	6	15.9	1996	9	1993	3	3	1993	2.1	1.4	.4	.1	.0	1.3	.5	.3	.0
Apr	.9	.0	0	0	4.0	1979	1	7.0	1980	12	1975	7	1	1975	.3	.2	.2	.0	.0	.0	.0	.0	.0
May	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	#	.0	0	0	#	1985	28	#+	1985	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	#	.0	#	0	#	1972	5	#	1972	4	1971	28	#	1971	.0	.0	.0	.0	.0	.0	.0	.0	.0
Nov	1.3	.4	#	0	4.0	1976	29	5.0	1976	6	1975	29	1	1993	.6	.3	.1	.0	.0	.3	.2	.0	.0
Dec	3.6	1.5	1	0	5.0	1982	7	14.0	1982	10	1978	3	10	1978	1.7	.9	.5	.1	.0	-9.9	-9.9	-9.9	-9.9
Ann	15.6	10.5	N/A	N/A	8.0	Jan 1995	16	15.9	Mar 1996	12+	Feb 1993	27	10+	Jan 1993	8.1	5.3	2.1	.4	.0	-9.9	-9.9	-9.9	-9.9

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: WORLAND, WY

COOP ID: 489770

Climate Division: WY 4

NWS Call Sign:

Elevation: 4,060 Feet

Lat: 44° 01N

Lon: 107° 58W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/13	6/05	5/31	5/26	5/22	5/18	5/13	5/08	4/30
32	5/23	5/18	5/14	5/11	5/09	5/06	5/03	4/29	4/24
28	5/09	5/04	5/01	4/28	4/25	4/23	4/20	4/17	4/12
24	4/24	4/19	4/16	4/13	4/11	4/08	4/05	4/02	3/28
20	4/15	4/10	4/06	4/04	4/01	3/29	3/26	3/23	3/18
16	4/11	4/03	3/29	3/25	3/21	3/17	3/12	3/07	2/28
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/04	9/08	9/11	9/14	9/16	9/18	9/21	9/24	9/28
32	9/11	9/15	9/19	9/22	9/24	9/27	9/30	10/03	10/08
28	9/18	9/24	9/28	10/02	10/06	10/09	10/13	10/17	10/23
24	10/01	10/06	10/10	10/13	10/16	10/19	10/22	10/26	10/31
20	10/11	10/16	10/19	10/22	10/25	10/28	10/31	11/04	11/09
16	10/24	10/28	11/01	11/04	11/07	11/10	11/13	11/16	11/21
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	141	132	126	121	116	111	106	100	92
32	160	152	147	142	138	134	129	124	116
28	187	178	172	167	162	158	152	146	138
24	210	202	197	192	188	184	179	174	166
20	226	219	215	210	207	203	199	194	188
16	255	246	240	235	230	225	220	214	206

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: WORLAND, WY

COOP ID: 489770

Climate Division: WY 4

NWS Call Sign:

Elevation: 4,060 Feet Lat: 44°01N

Lon: 107°58W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1545	1155	902	575	294	88	19	32	234	586	1051	1447	7928
60	1390	1015	747	429	172	34	4	8	131	431	901	1292	6554
57	1297	931	654	345	114	17	1	3	84	340	811	1199	5796
55	1235	875	592	292	83	10	0	1	59	280	751	1137	5315
50	1081	743	447	178	31	1	0	0	18	152	613	983	4247
32	570	321	81	5	0	0	0	0	0	4	208	480	1669

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	48	90	202	420	742	1018	1253	1191	790	441	147	55	6397
55	0	0	0	17	112	338	540	480	159	5	0	0	1651
57	0	0	0	10	81	285	478	419	123	2	0	0	1398
60	0	0	0	4	46	212	388	331	81	0	0	0	1062
65	0	0	0	0	13	117	248	201	34	0	0	0	613
70	0	0	0	0	2	51	136	101	11	0	0	0	301

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	7	73	235	517	794	1014	952	572	250	29	1	0	7	80	315	832	1626	2640	3592	4164	4414	4443	4444
45	0	0	25	132	372	644	859	797	427	139	7	0	0	0	25	157	529	1173	2032	2829	3256	3395	3402	3402
50	0	0	4	65	242	495	704	642	294	58	0	0	0	0	4	69	311	806	1510	2152	2446	2504	2504	2504
55	0	0	0	23	136	354	549	488	178	16	0	0	0	0	0	23	159	513	1062	1550	1728	1744	1744	1744
60	0	0	0	6	58	222	396	337	88	3	0	0	0	0	0	6	64	286	682	1019	1107	1110	1110	1110
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	14	85	188	328	494	627	590	383	215	43	4	0	14	99	287	615	1109	1736	2326	2709	2924	2967	2971

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20

1971-2000

Station: WORLAND MUNICIPAL AP, WY

COOP ID: 489785

Climate Division: WY 4

NWS Call Sign: WRL

Elevation: 4,172 Feet Lat: 43° 58N

Lon: 107° 57W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	30.5	3.5	17.0	62	1966	8	32.7	1981	-38+	1963	12	-2.6	1979	1488	0	.0	.0	1.2	16.8	31.0	11.6
Feb	40.0	11.8	25.9	70	1982	21	36.2	1991	-37	1996	2	12.5	1989	1096	0	.0	.0	5.1	7.0	28.2	5.1
Mar	52.2	23.9	38.1	81	1986	28	46.8	1986	-28	1989	4	28.4	1996	836	0	.0	.0	17.4	2.2	27.1	.9
Apr	62.6	33.0	47.8	88+	2000	28	55.0	1987	9	1975	2	39.5	1975	518	2	.0	.0	24.7	.3	14.6	.0
May	72.3	42.8	57.6	98	1969	27	63.0	1994	21	1967	4	53.0	1983	251	20	.0	1.0	29.7	.0	2.1	.0
Jun	83.5	51.2	67.4	107+	1990	30	76.8	1988	32	1969	12	60.5	1998	73	144	.8	8.1	29.9	.0	.0	.0
Jul	90.5	56.9	73.7	106+	1975	28	77.7	1988	37	1968	1	65.5	1993	13	282	2.5	17.9	31.0	.0	.0	.0
Aug	88.8	55.0	71.9	106+	1983	8	77.6	1971	34	1964	30	67.0	1993	23	236	1.2	15.8	31.0	.0	.0	.0
Sep	76.2	44.3	60.3	100+	1983	1	67.0	1998	15	1984	25	54.5	1985	193	49	.1	3.5	28.9	@	2.1	.0
Oct	63.0	32.8	47.9	90	1997	1	52.2	1988	-3	1991	31	43.8	1971	530	0	.0	@	26.3	.4	14.4	@
Nov	44.9	18.7	31.8	77	1999	6	41.9	1999	-26	1985	23	16.2	1985	996	0	.0	.0	10.6	5.2	28.6	2.4
Dec	32.8	6.3	19.6	67	1995	1	30.9	1980	-50	1990	21	3.6	1983	1409	0	.0	.0	2.1	14.4	30.8	8.0
Ann	61.4	31.7	46.6	107+	Jun 1990	30	77.7	Jul 1988	-50	Dec 1990	21	-2.6	Jan 1979	7426	733	4.6	46.3	237.9	46.3	178.9	28.0

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1960-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20 1971-2000

Station: WORLAND MUNICIPAL AP, WY

COOP ID: 489785

Climate Division: WY 4

NWS Call Sign: WRL

Elevation: 4,172 Feet Lat: 43° 58N

Lon: 107° 57W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1)										
		Means/ Medians(1)		Extremes						Daily Precipitation				Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
														Monthly/Annual Precipitation vs Probability Levels										
														These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	.28	.22	.50+	1995	16	1.09	1995	.00	1992	5.0	.7	@	.0	.01	.04	.08	.12	.16	.21	.27	.34	.44	.60	.75
Feb	.19	.18	.33	1961	3	.51	1978	.00+	1999	4.2	.7	.0	.0	.00	.02	.05	.08	.11	.15	.19	.24	.31	.42	.53
Mar	.46	.34	.83	1998	17	2.19	1998	.03	1988	5.3	1.5	.1	.0	.04	.08	.14	.20	.27	.35	.44	.56	.72	.98	1.24
Apr	.84	.77	1.09	1978	28	2.06	1978	.00	1987	6.2	2.5	.3	@	.09	.20	.34	.46	.58	.71	.86	1.03	1.27	1.65	2.00
May	1.62	1.48	2.12	1993	5	4.10	1978	.13	1994	9.2	4.4	.7	.2	.31	.45	.69	.91	1.13	1.37	1.64	1.97	2.41	3.10	3.77
Jun	1.11	1.03	.92	1960	9	3.00	1997	.15	1971	7.4	3.3	.4	.0	.24	.34	.51	.65	.80	.96	1.13	1.34	1.62	2.06	2.48
Jul	.70	.58	.96	1973	22	2.72	1992	.00+	1996	5.4	1.8	.4	.0	.00	.03	.12	.23	.34	.48	.64	.85	1.14	1.64	2.14
Aug	.55	.46	1.12	1968	23	1.59	1976	.01	1975	4.8	1.5	.2	.0	.05	.09	.17	.24	.33	.42	.53	.67	.86	1.18	1.48
Sep	.85	.83	2.06	1967	18	1.88	1982	.00	1979	5.6	2.5	.3	@	.06	.14	.28	.40	.54	.68	.85	1.05	1.33	1.78	2.22
Oct	.73	.64	1.22	1993	7	2.54	1971	.09+	1987	5.2	2.1	.3	.1	.06	.11	.21	.31	.42	.55	.70	.89	1.15	1.59	2.01
Nov	.39	.31	.64	1987	2	1.06	1991	.04	1989	4.6	1.3	.1	.0	.04	.07	.12	.17	.23	.30	.37	.47	.60	.82	1.04
Dec	.25	.25	.49	1981	30	.88	1989	.01+	1994	4.3	.7	.0	.0	.02	.04	.07	.10	.14	.19	.24	.31	.40	.56	.72
Ann	7.97	7.72	2.12	May 1993	5	4.10	May 1978	.00+	Feb 1999	67.2	23.0	2.8	.3	5.11	5.64	6.33	6.86	7.34	7.81	8.29	8.83	9.50	10.47	11.32

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1960-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: WORLAND MUNICIPAL AP, WY

COOP ID: 489785

Climate Division: WY 4

NWS Call Sign: WRL

Elevation: 4,172 Feet

Lat: 43° 58N

Lon: 107° 57W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	4.6	4.0	3	3	6.3	1997	10	11.0	1972	15	1979	5	13	1979	4.7	1.9	.3	.2	.0	24.4	15.8	8.2	1.8
Feb	3.2	2.8	2	2	5.2	1978	19	10.7	1978	15	1979	23	13	1979	3.7	1.4	.2	@	.0	17.5	8.8	4.2	1.5
Mar	4.3	2.8	1	1	7.4	1977	25	20.6	1998	13+	1993	2	4+	1993	3.8	1.7	.4	.1	.0	5.6	2.7	1.2	.3
Apr	2.6	.9	#	0	11.0	1975	7	15.1	1975	12	1975	8	1	1975	1.5	1.0	.3	.1	@	1.3	.3	.1	.1
May	.5	.0	#	0	5.0	1983	11	6.0	1983	3+	1983	12	#	2000	.3	.2	.1	@	.0	.2	.1	.0	.0
Jun	#	.0	#	0	#	1976	14	#	1976	0	0	0	#	1995	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.9	.0	#	0	10.6	1984	23	12.3	1984	9	1984	24	1	1984	.3	.2	.1	.1	@	.3	.1	.1	.0
Oct	2.4	1.7	#	0	9.4	1993	8	13.3	1971	7	1993	9	1	1991	1.6	.9	.2	.1	.0	.7	.4	.2	.0
Nov	4.4	2.4	1	0	6.5	1986	6	14.1	1985	10+	1978	15	4	1978	3.2	1.6	.5	.1	.0	8.2	4.0	1.9	.1
Dec	5.4	5.7	2	1	9.0	1981	30	13.1	1989	14+	1978	31	11	1978	4.6	2.0	.3	.1	.0	16.1	9.2	4.9	1.2
Ann	28.3	20.3	N/A	N/A	11.0	Apr 1975	7	20.6	Mar 1998	15+	Feb 1979	23	13+	Feb 1979	23.7	10.9	2.4	.8	@	74.3	41.4	20.8	5.0

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: WORLAND MUNICIPAL AP, WY

COOP ID: 489785

Climate Division: WY 4

NWS Call Sign: WRL

Elevation: 4,172 Feet

Lat: 43° 58N

Lon: 107° 57W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/08	6/02	5/29	5/25	5/22	5/19	5/15	5/11	5/05
32	5/23	5/18	5/14	5/11	5/08	5/06	5/03	4/29	4/24
28	5/07	5/03	4/30	4/27	4/24	4/22	4/19	4/16	4/12
24	4/25	4/21	4/17	4/15	4/12	4/09	4/07	4/03	3/30
20	4/18	4/13	4/10	4/07	4/04	4/02	3/30	3/26	3/22
16	4/13	4/06	4/01	3/28	3/24	3/20	3/15	3/10	3/03
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/06	9/10	9/13	9/15	9/18	9/20	9/23	9/26	9/30
32	9/14	9/19	9/22	9/25	9/28	10/01	10/04	10/07	10/12
28	9/20	9/25	9/29	10/02	10/06	10/09	10/12	10/16	10/21
24	10/01	10/06	10/10	10/13	10/16	10/19	10/22	10/25	10/31
20	10/14	10/18	10/22	10/24	10/27	10/29	11/01	11/04	11/08
16	10/23	10/28	11/01	11/04	11/07	11/10	11/13	11/16	11/21
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	142	134	128	123	118	113	108	102	94
32	165	157	151	147	142	137	132	127	119
28	186	179	173	168	163	159	154	148	140
24	207	200	195	190	186	182	177	172	165
20	225	218	213	209	205	201	197	192	185
16	252	244	237	232	227	222	217	211	202

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: WORLAND MUNICIPAL AP, WY

COOP ID: 489785

Climate Division: WY 4

NWS Call Sign: WRL

Elevation: 4,172 Feet Lat: 43° 58N

Lon: 107° 57W

Degree Days to Selected Base Temperatures (°F)

Base	Heating Degree Days (1)												
	Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
65	1488	1096	836	518	251	73	13	23	193	530	996	1409	7426
60	1333	956	681	378	138	26	2	5	102	377	846	1254	6098
57	1240	872	588	299	88	13	0	2	62	289	756	1161	5370
55	1178	816	528	251	62	7	0	1	42	233	696	1099	4913
50	1024	687	386	151	20	0	0	0	12	120	559	948	3907
32	520	280	57	5	0	0	0	0	0	2	169	456	1489

Base	Cooling Degree Days (1)												
	Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
32	55	108	244	478	792	1061	1292	1236	846	495	164	70	6841
55	0	0	2	35	141	378	579	524	198	13	0	0	1870
57	0	0	1	23	105	324	517	463	158	6	0	0	1597
60	0	0	0	11	62	248	426	373	108	2	0	0	1230
65	0	0	0	2	20	144	282	236	49	0	0	0	733
70	0	0	0	0	4	70	159	126	17	0	0	0	376

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	8	78	250	536	811	1034	985	606	274	34	1	0	8	86	336	872	1683	2717	3702	4308	4582	4616	4617
45	0	0	28	146	386	661	879	830	464	154	9	0	0	0	28	174	560	1221	2100	2930	3394	3548	3557	3557
50	0	0	7	71	250	514	724	675	326	73	0	0	0	0	7	78	328	842	1566	2241	2567	2640	2640	2640
55	0	0	0	26	137	367	569	520	204	24	0	0	0	0	0	26	163	530	1099	1619	1823	1847	1847	1847
60	0	0	0	8	61	236	417	367	108	3	0	0	0	0	0	8	69	305	722	1089	1197	1200	1200	1200
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	15	88	194	342	502	648	615	394	219	46	4	0	15	103	297	639	1141	1789	2404	2798	3017	3063	3067

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States No. 20

Station: YELLOWSTONE PARK MAMMOTH, WY 1971-2000

COOP ID: 489905

Climate Division: WY 1

NWS Call Sign:

Elevation: 6,230 Feet Lat: 44° 59N

Lon: 110° 42W

Temperature (°F)																					
Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	29.2	8.6	18.9	50	1974	17	27.5	1981	-36+	1963	12	6.2	1979	1430	0	.0	.0	@	17.7	30.5	6.6
Feb	34.1	11.5	22.8	56	1995	22	31.6	1991	-35+	1989	4	10.8	1989	1182	0	.0	.0	.8	10.4	27.6	4.4
Mar	40.4	17.7	29.1	66	1999	20	38.0	1992	-25	1956	11	21.5	1975	1114	0	.0	.0	4.9	5.1	29.0	1.6
Apr	48.9	25.4	37.2	78+	1987	29	44.1	1987	1+	1997	12	25.6	1975	835	0	.0	.0	13.8	1.3	23.2	.0
May	58.9	33.9	46.4	85	1987	16	52.6	1994	6	1950	2	40.6	1975	578	0	.0	.0	25.0	@	11.1	.0
Jun	69.3	41.1	55.2	92	1988	25	62.4	1988	21+	1976	30	48.5	1998	306	11	.0	.1	29.4	.0	1.7	.0
Jul	78.6	46.4	62.5	95+	2000	31	67.2	1998	21	1976	14	54.6	1993	136	58	.0	1.7	31.0	.0	.3	.0
Aug	77.9	45.1	61.5	96	2000	1	66.1	1971	24	1968	31	56.3	1976	164	56	.0	1.0	31.0	.0	.6	.0
Sep	66.8	35.8	51.3	92+	1998	6	58.6	1998	9	1985	29	45.8	1986	416	5	.0	.1	27.5	.2	8.1	.0
Oct	53.8	27.1	40.5	80+	1992	3	47.3	1988	-8	1991	30	34.9	1984	761	0	.0	.0	20.6	1.0	20.1	.1
Nov	37.3	16.9	27.1	66+	1999	7	38.3	1999	-27	1959	13	17.9	1985	1137	0	.0	.0	4.2	9.3	27.4	1.7
Dec	29.2	8.7	19.0	52	1962	16	26.6	1980	-35	1990	22	6.5	1978	1429	0	.0	.0	.1	18.0	30.3	5.9
Ann	52.0	26.5	39.3	96	Aug 2000	1	67.2	Jul 1998	-36+	Jan 1963	12	6.2	Jan 1979	9488	130	.0	2.9	188.3	63.0	209.9	20.3

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20 1971-2000

Station: YELLOWSTONE PARK MAMMOTH, WY

COOP ID: 489905

Climate Division: WY 1

NWS Call Sign:

Elevation: 6,230 Feet Lat: 44°59N

Lon: 110°42W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1)											
														Probability that the monthly/annual precipitation will be equal to or less than the indicated amount											
Means/Medians(1)		Extremes								Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels											
														These values were determined from the incomplete gamma distribution											
Month	Mean	Median	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95	
Jan	.88	.77	.90	1968	11	3.24	1972	.05	1981	10.8	3.2	.2	.0	.10	.16	.28	.41	.54	.69	.86	1.08	1.37	1.86	2.34	
Feb	.64	.53	.70	1972	8	1.84	1978	.16	1977	9.0	2.3	.1	.0	.18	.24	.34	.41	.49	.57	.66	.77	.90	1.11	1.31	
Mar	1.08	.81	2.10	1979	1	3.05	1974	.26	1973	8.9	3.7	.2	.1	.25	.35	.51	.65	.79	.94	1.11	1.31	1.57	1.98	2.38	
Apr	1.09	.97	1.00	1982	11	2.73	1993	.07	1979	9.1	3.7	.3	@	.19	.28	.44	.59	.74	.91	1.10	1.33	1.64	2.14	2.62	
May	2.01	2.06	1.86	1988	7	3.66	1991	.12	1979	13.0	5.7	.8	.1	.54	.73	1.02	1.28	1.53	1.79	2.08	2.43	2.88	3.59	4.25	
Jun	1.93	1.66	1.50	1976	21	4.76	1998	.49	1988	12.0	5.7	.8	.1	.57	.76	1.03	1.27	1.50	1.74	2.01	2.32	2.72	3.36	3.94	
Jul	1.59	1.43	1.21	1983	10	3.57	1987	.37	1990	10.2	4.8	.6	.1	.44	.59	.82	1.02	1.21	1.42	1.65	1.92	2.27	2.82	3.33	
Aug	1.44	1.36	2.25	1982	30	4.21	1982	.14	1988	10.1	4.1	.6	@	.23	.35	.56	.76	.96	1.19	1.44	1.75	2.17	2.84	3.49	
Sep	1.29	1.23	1.25	1961	11	3.17	1972	.05	1979	8.3	3.6	.6	.0	.13	.22	.40	.58	.77	.99	1.25	1.57	2.01	2.75	3.47	
Oct	.95	.73	1.16	1981	7	2.33	1989	.00	1987	7.6	2.9	.3	@	.13	.25	.41	.54	.68	.82	.98	1.17	1.42	1.81	2.19	
Nov	.94	.90	.90	1960	18	1.96	1998	.29	1972	9.1	3.1	.2	.0	.26	.35	.49	.61	.72	.84	.98	1.13	1.34	1.66	1.96	
Dec	.79	.71	1.70	1955	23	1.91	1978	.02	1986	9.6	2.5	.1	.0	.13	.20	.31	.42	.53	.65	.80	.97	1.20	1.57	1.92	
Ann	14.63	14.19	2.25	Aug 1982	30	4.76	Jun 1998	.00	Oct 1987	117.7	45.3	4.8	.4	11.22	11.90	12.76	13.41	13.97	14.52	15.08	15.70	16.44	17.50	18.41	

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: YELLOWSTONE PARK MAMMOTH, WY

COOP ID: 489905

Climate Division: WY 1

NWS Call Sign:

Elevation: 6,230 Feet

Lat: 44° 59N

Lon: 110° 42W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	11.0	9.5	8	7	12.0	1998	12	32.7	1972	23+	1972	13	17	1979	8.1	5.5	1.1	.2	@	28.1	26.7	20.2	5.1
Feb	9.5	8.8	8	8	8.5	1985	9	21.1	1980	25	1979	23	19	1979	6.0	3.9	.7	.2	.0	23.9	22.0	17.7	9.6
Mar	10.9	9.8	5	3	18.0	1979	1	23.0	1979	42	1979	2	22	1979	6.1	4.1	1.4	.5	.1	15.2	9.6	5.7	2.8
Apr	6.1	4.6	1	#	8.0	1984	11	20.0	1991	13	1979	4	5	1975	3.7	2.5	.7	.3	.0	4.0	2.2	1.3	.2
May	2.3	.6	#	#	10.0	1988	7	11.0	1988	10	1988	7	1	1988	1.1	.8	.4	.1	@	1.1	.4	.1	@
Jun	.1	.0	#	0	2.0	1998	3	2.0	1998	2	1998	3	#+	1998	.1	.1	.0	.0	.0	.1	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	#	.0	#	0	#	1992	24	#	1992	#	1992	24	#	1992	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.3	.0	#	0	3.5	2000	22	4.5	2000	4	2000	22	#+	2000	.2	.1	@	.0	.0	.1	@	.0	.0
Oct	3.5	1.5	#	#	12.0	1991	23	25.0	1991	20	1991	24	3	1991	2.1	1.4	.3	.1	@	2.2	.7	.3	.1
Nov	9.1	8.1	2	2	9.0	1993	23	19.0	1975	13	1985	30	7	1985	6.3	3.8	1.1	.3	.0	12.4	6.7	3.1	.1
Dec	9.6	8.4	4	4	8.5	1994	4	22.2	1971	17	1994	5	11	1978	6.7	4.7	1.0	.2	.0	24.6	16.8	8.4	.7
Ann	62.4	51.3	N/A	N/A	18.0	Mar 1979	1	32.7	Jan 1972	42	Mar 1979	2	22	Mar 1979	40.4	26.9	6.7	1.9	.1	111.7	85.1	56.8	18.6

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: YELLOWSTONE PARK MAMMOTH, WY

COOP ID: 489905

Climate Division: WY 1

NWS Call Sign:

Elevation: 6,230 Feet

Lat: 44° 59N

Lon: 110° 42W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	7/18	7/12	7/08	7/04	6/30	6/27	6/23	6/18	6/12
32	6/28	6/22	6/17	6/13	6/09	6/05	6/01	5/27	5/20
28	6/13	6/05	5/31	5/26	5/21	5/17	5/12	5/06	4/28
24	5/29	5/22	5/17	5/13	5/09	5/04	4/30	4/25	4/18
20	5/15	5/10	5/06	5/03	4/30	4/27	4/23	4/20	4/14
16	5/03	4/27	4/22	4/18	4/14	4/10	4/06	4/01	3/25
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/08	8/15	8/20	8/24	8/28	9/01	9/05	9/10	9/16
32	8/24	8/30	9/03	9/06	9/10	9/13	9/16	9/21	9/26
28	9/03	9/08	9/12	9/15	9/18	9/21	9/24	9/28	10/03
24	9/14	9/20	9/24	9/28	10/01	10/05	10/08	10/12	10/18
20	9/24	10/01	10/06	10/10	10/14	10/17	10/21	10/26	11/02
16	10/03	10/10	10/15	10/19	10/23	10/27	11/01	11/05	11/12
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	87	77	70	64	58	52	46	39	29
32	121	111	104	98	92	87	81	74	64
28	148	138	131	124	119	113	107	99	89
24	175	165	157	151	145	139	133	125	115
20	190	182	176	171	166	162	157	151	143
16	220	210	203	198	192	187	181	174	164

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: YELLOWSTONE PARK MAMMOTH, WY

COOP ID: 489905

Climate Division: WY 1

NWS Call Sign:

Elevation: 6,230 Feet Lat: 44° 59N

Lon: 110° 42W

Degree Days to Selected Base Temperatures (°F)

Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1430	1182	1114	835	578	306	136	164	416	761	1137	1429	9488
60	1275	1042	959	685	425	185	59	81	281	606	987	1274	7859
57	1182	958	866	595	338	127	29	46	210	513	897	1181	6942
55	1120	902	804	536	283	95	17	30	168	452	837	1119	6363
50	965	762	650	395	164	37	2	8	84	306	687	964	5024
32	434	293	184	55	3	0	0	0	0	19	225	432	1645

Cooling Degree Days (1)

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	28	35	92	210	448	695	944	915	580	280	79	27	4333
55	0	0	0	1	15	100	248	232	58	1	0	0	655
57	0	0	0	0	8	72	198	186	40	0	0	0	504
60	0	0	0	0	2	40	135	128	20	0	0	0	325
65	0	0	0	0	0	11	58	56	5	0	0	0	130
70	0	0	0	0	0	2	16	17	1	0	0	0	36

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	11	80	251	492	731	692	386	148	15	0	0	0	11	91	342	834	1565	2257	2643	2791	2806	2806
45	0	0	0	29	139	345	576	537	255	70	0	0	0	0	0	29	168	513	1089	1626	1881	1951	1951	1951
50	0	0	0	10	61	218	422	384	145	23	0	0	0	0	0	10	71	289	711	1095	1240	1263	1263	1263
55	0	0	0	0	20	113	274	241	67	3	0	0	0	0	0	0	20	133	407	648	715	718	718	718
60	0	0	0	0	0	44	142	119	21	0	0	0	0	0	0	0	0	44	186	305	326	326	326	326
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	12	70	171	314	467	454	275	122	10	0	0	0	12	82	253	567	1034	1488	1763	1885	1895	1895

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: YODER 2 WSW, WY

COOP ID: 489925

Climate Division: WY 8

NWS Call Sign:

Elevation: 4,289 Feet Lat: 41° 54N

Lon: 104° 20W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	39.8	13.5	26.7	71+	1987	12	35.8	1983	-35	1963	19	10.3	1979	1189	0	.0	.0	8.5	7.4	28.7	5.8
Feb	44.8	16.7	30.8	79	1962	11	39.5	1999	-32	1962	28	17.4	1993	959	0	.0	.0	12.0	4.6	25.6	3.5
Mar	52.6	22.8	37.7	81+	1995	21	44.9	1986	-23	1960	3	32.8	1996	846	0	.0	.0	19.6	1.8	25.9	.8
Apr	60.9	29.8	45.4	90	1989	22	52.1	1981	-22	1975	2	37.7	1983	589	0	.0	@	25.4	.4	18.8	.1
May	70.3	40.1	55.2	98	1969	27	60.3	1994	9	1983	12	50.5	1983	313	9	.0	.5	30.0	.0	4.4	.0
Jun	82.5	48.6	65.6	105	1954	23	72.0	1988	26	1969	2	60.1	1998	79	97	.4	8.4	29.9	.0	.1	.0
Jul	89.6	54.3	72.0	109	1973	6	77.5	1977	37+	1959	9	67.5	1992	9	225	2.0	17.5	31.0	.0	.0	.0
Aug	88.2	52.5	70.4	105	1975	7	75.6	1983	20	1952	11	66.5	1978	20	185	.8	14.5	31.0	.0	.0	.0
Sep	78.3	42.4	60.4	101	1998	4	66.3	1998	14	1985	30	54.7	1985	180	40	.1	4.0	29.5	.0	3.2	.0
Oct	66.1	32.2	49.2	94	1953	1	52.1	1983	-14	1997	26	45.7	1976	491	0	.0	.1	28.0	.2	14.9	.1
Nov	48.8	22.3	35.6	81	1999	8	43.9	1999	-21+	1985	30	24.8	1985	884	0	.0	.0	15.4	3.4	26.2	1.1
Dec	41.3	15.4	28.4	72+	1998	1	37.3	1980	-40	1989	22	16.3	1983	1136	0	.0	.0	9.5	6.3	28.8	4.3
Ann	63.6	32.6	48.1	109	Jul 1973	6	77.5	Jul 1977	-40	Dec 1989	22	10.3	Jan 1979	6695	556	3.3	45.0	269.8	24.1	176.6	15.7

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Climatology of the United States

No. 20 1971-2000

Station: YODER 2 WSW, WY

COOP ID: 489925

Climate Division: WY 8

NWS Call Sign:

Elevation: 4,289 Feet Lat: 41° 54N

Lon: 104° 20W

Precipitation (inches)

		Precipitation Totals								Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
		Means/Medians(1)		Extremes						Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Median	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	.33	.23	.70	1973	21	1.43	1973	.00+	1989	4.0	1.0	.1	.0	.00	.04	.10	.15	.20	.26	.33	.41	.52	.70	.87
Feb	.33	.21	.65	1993	10	1.52	1993	.00+	1996	3.0	1.5	.1	.0	.00	.00	.06	.11	.17	.23	.31	.41	.54	.77	1.00
Mar	.91	.69	2.00	1990	6	3.08	1990	.12	1985	5.1	2.7	.3	.1	.13	.20	.33	.46	.59	.74	.91	1.12	1.40	1.85	2.30
Apr	1.82	1.78	2.10	1988	22	3.62	1971	.15	1992	7.0	4.7	1.0	.1	.48	.65	.91	1.14	1.37	1.61	1.88	2.19	2.60	3.24	3.85
May	2.89	2.60	2.80	1971	5	6.05	1981	.52	1973	9.2	6.9	1.6	.6	.70	.97	1.40	1.77	2.14	2.54	2.98	3.50	4.19	5.28	6.30
Jun	2.15	1.83	2.78	1970	11	6.13	1993	.20	1980	6.4	4.8	1.4	.5	.43	.62	.94	1.23	1.52	1.83	2.19	2.61	3.18	4.09	4.95
Jul	1.74	1.45	1.98	1967	26	4.17	1984	.47	1991	5.9	4.2	1.2	.3	.49	.65	.90	1.12	1.34	1.56	1.81	2.10	2.48	3.07	3.63
Aug	1.17	1.09	1.83	1980	15	2.89	1987	.10	1971	5.7	3.8	.5	.1	.21	.32	.49	.65	.81	.98	1.18	1.42	1.74	2.26	2.75
Sep	1.40	1.10	2.26	1973	11	4.93	1973	.00	1980	4.5	3.4	1.0	.2	.06	.18	.39	.59	.81	1.06	1.35	1.72	2.22	3.05	3.86
Oct	.98	.77	1.85	1997	24	3.34	1986	.08	1973	4.2	2.8	.6	@	.09	.15	.29	.42	.57	.74	.94	1.20	1.55	2.13	2.70
Nov	.65	.65	1.30	1993	12	1.81	1983	.02+	1984	3.8	2.0	.2	.1	.04	.08	.16	.25	.35	.46	.60	.78	1.03	1.45	1.87
Dec	.35	.30	.80	1985	9	1.05+	1992	.00	1976	3.5	1.4	.1	.0	.01	.03	.08	.13	.18	.25	.32	.42	.56	.79	1.03
Ann	14.72	14.25	2.80	May 1971	5	6.13	Jun 1993	.00+	Feb 1996	62.3	39.2	8.1	2.0	10.08	10.97	12.11	12.98	13.75	14.50	15.28	16.15	17.20	18.73	20.06

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: YODER 2 WSW, WY

COOP ID: 489925

Climate Division: WY 8

NWS Call Sign:

Elevation: 4,289 Feet

Lat: 41° 54N

Lon: 104° 20W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	5.6	5.3	2	1	8.0	1992	7	16.0	1976	22	1988	9	9	1988	3.3	2.6	.7	.1	.0	9.4	4.2	2.2	.9
Feb	5.0	4.1	1	1	8.0	1998	25	16.2	1993	12	1993	18	8	1993	2.4	1.9	.8	.2	.0	5.1	2.8	1.1	.4
Mar	8.7	8.2	1	#	12.0	1988	10	23.0	1990	16	1990	7	4	1988	3.1	2.9	1.0	.4	.1	4.5	2.1	1.0	.4
Apr	6.4	4.5	#	#	14.0	1974	3	18.0+	1997	12	1974	3	2	1997	1.6	1.6	.8	.5	.1	1.8	1.0	.5	.1
May	.4	.0	#	0	6.0	1979	9	8.0	1979	2	1979	9	#	1979	.1	.1	.1	@	.0	.1	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.9	.0	#	0	6.0	1985	28	10.0	2000	5	1985	28	#+	2000	.2	.2	.2	@	.0	.2	.1	@	.0
Oct	2.9	1.0	#	#	18.0	1997	24	22.0	1997	22	1997	26	3	1997	.9	.9	.4	.1	@	1.0	.6	.3	.1
Nov	6.6	6.0	1	#	18.0	1979	20	19.0	1993	24	1979	23	11	1979	2.8	2.3	.9	.4	.1	5.5	2.7	1.2	.7
Dec	6.1	5.0	2	1	12.0	1975	31	18.0	1973	20	1987	31	6	1985	3.1	2.3	.7	.3	@	8.1	3.9	1.7	.3
Ann	42.6	34.1	N/A	N/A	18.0+	Oct 1997	24	23.0	Mar 1990	24	Nov 1979	23	11	Nov 1979	17.5	14.8	5.6	2.0	.3	35.7	17.4	8.0	2.9

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: YODER 2 WSW, WY

COOP ID: 489925

Climate Division: WY 8

NWS Call Sign:

Elevation: 4,289 Feet

Lat: 41° 54N

Lon: 104° 20W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/16	6/10	6/06	6/02	5/30	5/26	5/22	5/18	5/12
32	6/01	5/26	5/22	5/19	5/16	5/13	5/10	5/06	5/01
28	5/17	5/13	5/10	5/07	5/05	5/02	4/29	4/26	4/22
24	5/08	5/04	4/30	4/28	4/25	4/22	4/20	4/16	4/12
20	5/01	4/25	4/21	4/18	4/14	4/11	4/08	4/04	3/29
16	4/23	4/15	4/09	4/04	3/31	3/26	3/21	3/15	3/07
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/30	9/04	9/07	9/10	9/12	9/15	9/17	9/20	9/25
32	9/11	9/15	9/17	9/19	9/21	9/23	9/25	9/28	10/01
28	9/16	9/21	9/24	9/27	9/30	10/02	10/05	10/08	10/13
24	9/24	9/29	10/03	10/06	10/09	10/12	10/16	10/19	10/25
20	10/03	10/08	10/12	10/15	10/18	10/21	10/25	10/28	11/02
16	10/10	10/16	10/20	10/24	10/27	10/30	11/03	11/07	11/13
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	129	120	115	109	105	100	95	89	81
32	144	138	134	131	127	124	121	117	111
28	169	162	156	152	147	143	138	133	125
24	188	181	175	171	167	162	158	152	145
20	211	203	196	191	186	181	176	170	161
16	241	230	223	216	210	203	197	189	178

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: YODER 2 WSW, WY

COOP ID: 489925

Climate Division: WY 8

NWS Call Sign:

Elevation: 4,289 Feet Lat: 41° 54N

Lon: 104° 20W

Degree Days to Selected Base Temperatures (°F)

Base	Heating Degree Days (1)												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
Below													
65	1189	959	846	589	313	79	9	20	180	491	884	1136	6695
60	1034	819	691	444	187	27	1	3	88	337	734	981	5346
57	941	735	598	361	126	12	0	1	50	249	644	888	4605
55	880	679	536	308	93	6	0	0	31	195	587	826	4141
50	736	550	385	192	37	0	0	0	7	87	448	672	3114
32	285	172	33	7	0	0	0	0	0	1	97	217	812

Cooling Degree Days (1)

Base	Cooling Degree Days (1)												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
Above													
32	119	137	210	407	719	1007	1239	1188	849	533	203	105	6716
55	1	0	0	18	99	323	526	476	191	14	4	0	1652
57	0	0	0	11	70	269	464	414	149	6	0	0	1383
60	0	0	0	5	37	195	371	324	97	1	0	0	1030
65	0	0	0	0	9	97	225	185	40	0	0	0	556
70	0	0	0	0	1	36	106	80	11	0	0	0	234

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	25	46	107	230	508	787	1003	953	631	314	80	30	25	71	178	408	916	1703	2706	3659	4290	4604	4684	4714
45	3	15	47	127	354	637	848	798	483	192	35	8	3	18	65	192	546	1183	2031	2829	3312	3504	3539	3547
50	0	1	13	59	218	489	693	643	343	91	9	0	0	1	14	73	291	780	1473	2116	2459	2550	2559	2559
55	0	0	0	19	115	344	538	488	216	32	0	0	0	0	0	19	134	478	1016	1504	1720	1752	1752	1752
60	0	0	0	3	44	211	385	333	110	6	0	0	0	0	0	3	47	258	643	976	1086	1092	1092	1092
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	29	53	116	207	346	498	622	591	431	266	85	35	29	82	198	405	751	1249	1871	2462	2893	3159	3244	3279

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html