

Climatography of the United States

No. 20

1971-2000

Station: WEISER, ID

COOP ID: 109638

Climate Division: ID 5

NWS Call Sign:

Elevation: 2,120 Feet Lat: 44° 15N Lon: 116° 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	20.6	27.7	65	1953	9	38.5	1978	-26+	1962	23	15.9	1985	1156	0	.0	.0	1.2	10.0	28.7	3.5
Feb	43.5	26.1	34.8	65+	1992	26	42.6	1992	-29	1989	6	18.6	1989	846	0	.0	.0	7.3	3.0	23.5	1.3
Mar	56.0	33.7	44.9	83+	1990	20	51.8	1978	0	1955	5	38.4	1976	623	0	.0	.0	25.6	.1	19.5	.0
Apr	64.6	39.7	52.2	92	1977	24	58.1	1987	18	1968	13	46.2	1975	390	5	.0	.1	29.5	.0	11.4	.0
May	73.3	47.6	60.5	99	2001	25	67.7	1992	23	1965	9	56.5	1978	176	36	.0	1.4	30.9	.0	2.1	.0
Jun	82.2	54.9	68.6	104	1961	17	75.0	1977	30	1987	2	64.7	1976	48	156	.4	7.4	30.0	.0	.2	.0
Jul	91.2	59.9	75.6	107+	2001	5	81.0	1998	34	1986	5	68.4	1993	4	331	4.0	20.8	31.0	.0	.0	.0
Aug	89.6	57.8	73.7	106+	1998	5	77.5	1971	34+	1992	26	68.6	1976	13	284	2.4	18.3	31.0	.0	.0	.0
Sep	79.7	48.3	64.0	102+	1950	2	71.7	1990	23+	1965	27	57.7	1985	121	91	.1	4.5	30.0	.0	2.2	.0
Oct	66.1	38.0	52.1	92	1997	2	59.2	1988	11+	1971	29	47.6	1984	403	2	.0	.1	30.2	.0	12.6	.0
Nov	47.7	30.3	39.0	71	1965	4	44.2	1995	-13	1985	23	29.1	1985	781	0	.0	.0	13.0	1.2	22.2	.2
Dec	36.2	22.3	29.3	64	1955	22	38.8	1977	-25	1972	10	13.0	1985	1109	0	.0	.0	1.5	7.8	28.9	1.9
Ann	63.7	39.9	51.9	107+	Jul 2001	5	81.0	Jul 1998	-29	Feb 1989	6	13.0	Dec 1985	5670	905	6.9	52.6	261.2	22.1	151.3	6.9

+ 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

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No. 20 1971-2000

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

Station: WEISER, ID

COOP ID: 109638

Climate Division: ID 5

NWS Call Sign:

Elevation: 2,120 Feet Lat: 44°15N

Lon: 116°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	1.42	1.25	1.20	1976	5	3.11	1998	.00	1986	9.3	4.7	.6	@	.19	.37	.61	.81	1.02	1.23	1.47	1.75	2.12	2.72	3.28
Feb	1.38	1.09	2.55	1986	19	4.44	1986	.00	1988	8.8	4.4	.5	@	.11	.26	.48	.69	.89	1.12	1.38	1.70	2.12	2.82	3.48
Mar	1.17	1.10	.87	1987	6	2.90	1983	.24	1992	9.0	4.0	.3	.0	.31	.42	.59	.74	.89	1.04	1.21	1.41	1.67	2.08	2.46
Apr	.97	.86	1.10	1978	16	3.69	1978	.02	1977	7.8	3.1	.4	@	.12	.20	.33	.47	.61	.77	.96	1.18	1.49	2.00	2.49
May	.96	.86	1.58	1998	22	5.38	1998	.02	1974	7.7	3.3	.3	@	.09	.16	.29	.43	.57	.74	.93	1.17	1.51	2.06	2.60
Jun	.92	.82	1.25	1982	2	2.61	1993	.00	1986	5.7	2.8	.4	.1	.05	.14	.29	.42	.57	.73	.91	1.14	1.45	1.96	2.45
Jul	.34	.17	1.15	1997	30	2.17	1997	.00+	1999	2.8	1.1	.2	@	.00	.00	.00	.03	.09	.16	.26	.39	.58	.92	1.28
Aug	.31	.13	.80	1987	24	1.34	1987	.00+	1998	2.9	1.0	.2	@	.00	.00	.02	.05	.10	.17	.25	.36	.52	.80	1.09
Sep	.50	.23	1.23	1959	14	2.00	1986	.00+	1999	3.3	1.8	.2	.0	.00	.00	.00	.06	.16	.28	.43	.62	.88	1.34	1.80
Oct	.63	.56	1.32	1975	6	2.65	1975	.00+	1987	4.8	2.1	.1	.1	.00	.05	.14	.24	.35	.47	.61	.78	1.02	1.42	1.81
Nov	1.65	1.41	1.27	1971	26	3.65	1973	.11	1989	10.2	5.3	.4	@	.30	.45	.69	.91	1.14	1.39	1.67	2.01	2.46	3.19	3.89
Dec	1.82	1.57	1.09	1968	24	4.38	1996	.05	1976	9.9	5.2	.6	.0	.26	.41	.67	.92	1.19	1.48	1.81	2.22	2.77	3.67	4.53
Ann	12.07	11.64	2.55	Feb 1986	19	5.38	May 1998	.00+	Sep 1999	82.2	38.8	4.2	.2	7.36	8.22	9.34	10.22	11.00	11.78	12.59	13.49	14.61	16.25	17.69

+ 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

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Station: WEISER, ID

COOP ID: 109638

Climate Division: ID 5

NWS Call Sign:

Elevation: 2,120 Feet

Lat: 44° 15N

Lon: 116° 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	8.3	5.9	3	2	6.5	1977	3	16.3	1996	15	1976	11	12	1976	3.1	2.0	.8	.2	.0	-9.9	-9.9	-9.9	-9.9
Feb	1.6	.3	1	0	7.0	1989	17	12.6	1975	8	1996	5	5	1972	.9	.6	.2	.1	.0	-9.9	-9.9	-9.9	-9.9
Mar	.4	.0	1	0	2.5	1977	3	2.5	1977	17	1993	5	17	1993	.2	.2	.0	.0	.0	.0	.0	.0	.0
Apr	.0	.0	#	0	.3	1998	14	.3	1998	#	1998	13	#	1998	.1	.0	.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	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	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.0	.0	0	0	.1	1971	31	.1	1971	0	0	0	0	0	.1	.0	.0	.0	.0	.0	.0	.0	.0
Nov	1.3	.0	#	0	6.0	1985	21	6.0+	1985	9	1985	22	1	1985	.9	.7	.2	.1	.0	.3	.1	.0	.0
Dec	6.7	5.0	2	#	6.5	1971	9	16.5	1998	12	1992	27	12	1992	2.7	1.9	.9	.4	.0	-9.9	-9.9	-9.9	-9.9
Ann	18.3	11.2	N/A	N/A	7.0	Feb 1989	17	16.5	Dec 1998	17	Mar 1993	5	17	Mar 1993	8.0	5.4	2.1	.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

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Elevation: 2,120 Feet

Lat: 44° 15N

Lon: 116° 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	6/25	6/17	6/11	6/06	6/02	5/28	5/23	5/17	5/09
32	6/05	5/28	5/23	5/18	5/13	5/09	5/04	4/29	4/21
28	5/16	5/08	5/03	4/28	4/23	4/19	4/14	4/09	4/01
24	4/23	4/15	4/09	4/04	3/30	3/25	3/20	3/14	3/06
20	4/04	3/24	3/16	3/09	3/02	2/24	2/17	2/09	1/28
16	3/06	2/25	2/18	2/12	2/07	2/02	1/27	1/20	1/11
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	9/02	9/07	9/10	9/14	9/17	9/19	9/23	9/26	10/02
32	9/14	9/19	9/22	9/25	9/28	9/30	10/03	10/06	10/11
28	9/23	9/29	10/03	10/07	10/10	10/13	10/17	10/21	10/27
24	10/05	10/11	10/15	10/19	10/22	10/25	10/29	11/02	11/08
20	10/13	10/22	10/28	11/02	11/07	11/11	11/17	11/23	12/01
16	10/28	11/05	11/11	11/17	11/22	11/27	12/02	12/08	12/17
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	137	127	119	112	106	100	93	86	75
32	164	154	148	142	136	131	125	118	109
28	197	187	180	174	169	163	157	150	141
24	236	226	218	211	205	199	193	185	175
20	290	276	266	257	249	240	232	222	207
16	330	315	304	296	287	279	270	259	245

* 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

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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	1156	846	623	390	176	48	4	13	121	403	781	1109	5670
60	1001	706	470	256	84	14	0	3	54	257	631	954	4430
57	908	629	383	188	46	5	0	1	29	180	541	861	3771
55	847	577	326	149	29	2	0	0	17	135	485	799	3366
50	702	449	202	72	6	0	0	0	4	54	349	653	2491
32	256	122	9	0	0	0	0	0	0	0	49	216	652

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	123	200	409	605	883	1097	1351	1294	960	622	258	130	7932
55	1	11	13	64	199	410	638	581	287	43	4	0	2251
57	0	7	8	43	154	353	576	519	238	26	0	0	1924
60	0	0	1	22	98	271	483	428	174	10	0	0	1487
65	0	0	0	5	36	156	331	284	91	2	0	0	905
70	0	0	0	0	8	73	195	161	39	0	0	0	476

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	28	147	314	575	797	1043	989	667	336	60	6	0	28	175	489	1064	1861	2904	3893	4560	4896	4956	4962
45	0	5	56	182	421	647	888	834	519	199	15	0	0	5	61	243	664	1311	2199	3033	3552	3751	3766	3766
50	0	0	14	86	278	497	733	679	371	94	1	0	0	0	14	100	378	875	1608	2287	2658	2752	2753	2753
55	0	0	1	30	155	348	578	524	236	34	0	0	0	0	1	31	186	534	1112	1636	1872	1906	1906	1906
60	0	0	0	4	72	216	425	372	128	8	0	0	0	0	0	4	76	292	717	1089	1217	1225	1225	1225
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	20	121	237	384	506	641	610	454	264	39	0	0	20	141	378	762	1268	1909	2519	2973	3237	3276	3276

(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/normals/usnormals.html

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 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.

- | | |
|---|---|
| <ol style="list-style-type: none">a. Temperature/ Precipitation Tables<ol style="list-style-type: none">1. 1971-2000 Monthly Normals2. Cooperative Summary of the Day3. National Weather Service station records4. 1971-2000 serially complete daily datab. Degree Day Table<ol style="list-style-type: none">1. Monthly and Annual Heating and Cooling Degree Days Normals to Selected Bases derived from 1971-2000 Monthly Normals2. Daily Normal Growing Degree Units to Selected Base Temperatures derived from 1971-2000 serially complete daily data | <ol style="list-style-type: none">c. Snow Tables<ol style="list-style-type: none">1. Snow Climatology2. Cooperative Summary of the Dayd. 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