

Climatography of the United States

No. 20

1971-2000

Station: NEZPERCE, ID

COOP ID: 106424

Climate Division: ID 2

NWS Call Sign:

Elevation: 3,240 Feet Lat: 46° 14N

Lon: 116° 15W

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	21.7	28.3	61	1971	31	35.5	1994	-20	1963	11	14.9	1979	1137	0	.0	.0	1.0	10.2	27.1	1.9
Feb	41.0	25.1	33.1	67+	1995	24	40.3	1992	-19	1989	3	21.5	1989	895	0	.0	.0	4.9	4.1	22.9	.9
Mar	47.7	29.2	38.5	75	1978	29	44.2	1992	-10	1955	5	34.0	1976	823	0	.0	.0	12.4	.7	22.1	@
Apr	55.4	33.6	44.5	87	1977	24	50.9	1987	17	1968	13	38.7	1975	616	0	.0	.0	20.9	.0	14.1	.0
May	63.1	39.4	51.3	90+	1983	29	56.8	1993	21	1954	1	47.1	1996	427	0	.0	@	28.7	.0	4.5	.0
Jun	70.4	44.7	57.6	94+	1992	24	63.1	1986	29	1999	9	53.6	1991	236	12	.0	.5	29.8	.0	.5	.0
Jul	79.5	48.6	64.1	103	1967	12	70.0	1985	31	1962	3	56.5	1993	102	72	.0	3.6	31.0	.0	@	.0
Aug	80.7	48.6	64.7	104	1961	4	69.3	1986	25	1992	24	59.3	1980	98	87	@	5.0	31.0	.0	.2	.0
Sep	71.0	41.8	56.4	97	1988	3	62.8	1990	18	2000	23	50.9	1971	277	20	.0	.7	29.7	.0	2.7	.0
Oct	58.0	34.5	46.3	85+	1992	1	53.5	1988	0	1971	29	42.1	1984	581	0	.0	.0	24.7	.2	11.8	@
Nov	42.2	27.9	35.1	71	1999	13	42.3	1999	-13+	1985	23	23.3	1985	898	0	.0	.0	5.6	3.4	21.7	.3
Dec	34.8	22.1	28.5	59	1987	6	35.7	1980	-33	1968	30	19.1	1983	1133	0	.0	.0	1.0	10.9	27.4	1.1
Ann	56.6	34.8	45.7	104	Aug 1961	4	70.0	Jul 1985	-33	Dec 1968	30	14.9	Jan 1979	7223	191	@	9.8	220.7	29.5	155.0	4.2

+ 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: 1901-2001

(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: NEZPERCE, ID

COOP ID: 106424

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NWS Call Sign:

Elevation: 3,240 Feet Lat: 46°14N

Lon: 116°15W

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	1.30	1.16	1956	15	3.27	1975	.44	1995	11.7	5.0	.4	.0	.43	.57	.79	.98	1.16	1.35	1.57	1.82	2.14	2.66	3.13
Feb	1.33	1.05	.80	1956	23	2.91	1999	.33	1998	11.0	5.0	.2	.0	.43	.55	.74	.90	1.05	1.21	1.38	1.59	1.85	2.26	2.63
Mar	1.85	1.81	1.01	1999	4	3.82	1984	.59	1994	13.9	6.8	.5	@	.78	.95	1.19	1.38	1.56	1.74	1.94	2.16	2.45	2.88	3.27
Apr	2.19	2.24	1.44	1978	27	3.86	1978	.72	1977	12.4	6.9	1.1	@	1.00	1.19	1.46	1.68	1.88	2.08	2.29	2.54	2.85	3.32	3.74
May	3.01	3.19	1.93	1990	29	5.86	1990	1.42	1992	13.0	8.2	1.5	.2	1.28	1.55	1.94	2.25	2.54	2.84	3.15	3.52	3.98	4.69	5.32
Jun	1.99	1.69	2.06	1958	11	3.94	1981	.84	1986	10.0	5.9	1.1	.1	.81	1.00	1.25	1.46	1.66	1.86	2.08	2.33	2.65	3.13	3.58
Jul	1.26	.98	2.32	1956	13	3.81	1982	.02	1985	6.7	3.7	.6	.1	.12	.22	.39	.56	.76	.97	1.22	1.54	1.98	2.70	3.41
Aug	1.11	.99	1.45	1960	1	2.92	1985	.05	2000	6.0	3.0	.5	.1	.06	.12	.26	.41	.58	.78	1.02	1.34	1.78	2.53	3.28
Sep	1.31	1.18	1.24	1998	9	3.42	2000	.04	1990	6.5	3.7	.6	.1	.08	.15	.31	.49	.69	.93	1.21	1.58	2.10	2.97	3.84
Oct	1.48	1.62	1.24	1973	31	3.90	1975	.00	1987	8.5	4.4	.7	.1	.18	.37	.62	.83	1.04	1.27	1.52	1.82	2.22	2.86	3.47
Nov	1.94	1.87	1.15	1961	25	3.47+	1991	.56	1976	13.6	7.0	.6	.0	.69	.88	1.14	1.37	1.58	1.80	2.03	2.31	2.66	3.20	3.70
Dec	1.43	1.26	.97	1967	25	3.24	1996	.40	1985	12.6	5.1	.3	.0	.40	.54	.75	.93	1.10	1.28	1.49	1.73	2.04	2.52	2.98
Ann	20.41	21.45	2.32	Jul 1956	13	5.86	May 1990	.00	Oct 1987	125.9	64.7	8.1	.7	14.39	15.55	17.04	18.17	19.18	20.15	21.16	22.27	23.62	25.58	27.28

+ 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: 1901-2001

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Station: NEZPERCE, ID

COOP ID: 106424

Climate Division: ID 2

NWS Call Sign:

Elevation: 3,240 Feet

Lat: 46° 14N

Lon: 116° 15W

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	12.8	12.0	4	3	11.0	1972	18	35.0	1972	20	1993	3	13	1979	6.9	4.9	1.4	.3	@	17.9	12.6	9.4	2.8
Feb	7.2	7.0	2	1	6.0	1985	5	21.0	1986	18	1979	3	10	1979	5.1	3.2	.7	.1	.0	10.9	6.8	4.2	1.4
Mar	6.1	6.5	1	#	7.5	1989	2	13.5	1980	10	1989	2	3	1975	4.0	2.8	.5	.1	.0	3.8	1.1	.2	@
Apr	2.6	1.0	#	#	5.5	1977	1	11.0	1982	2	1982	6	#+	1999	1.8	1.2	.3	.1	.0	.4	.0	.0	.0
May	.3	.0	#	0	2.0	1975	3	2.0	1975	1	1975	3	#+	1996	.3	.1	.0	.0	.0	.1	.0	.0	.0
Jun	#	.0	0	0	#	1990	12	#+	1990	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	#	0	.0	0	0	.0	0	#	1982	7	#	1982	.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	#	1986	26	#+	1986	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	1.3	.0	#	0	8.0	1975	23	9.0	1975	6	1973	31	1	1971	.7	.4	.2	.1	.0	.6	.3	.1	.0
Nov	7.5	6.9	1	1	10.0	1977	22	23.0	1973	10	1977	22	4	1973	4.7	2.9	.8	.2	@	7.0	2.8	1.7	.1
Dec	10.0	8.0	2	2	7.0	1973	27	29.5	1984	13	1984	16	7	1984	7.0	4.3	1.1	.2	.0	15.2	8.4	5.6	.7
Ann	47.8	41.4	N/A	N/A	11.0	Jan 1972	18	35.0	Jan 1972	20	Jan 1993	3	13	Jan 1979	30.5	19.8	5.0	1.1	@	55.9	32.0	21.2	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

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Elevation: 3,240 Feet

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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	7/02	6/28	6/24	6/20	6/16	6/12	6/07	6/01
32	6/16	6/09	6/04	5/30	5/26	5/22	5/18	5/12	5/05
28	5/21	5/14	5/09	5/05	5/01	4/27	4/23	4/18	4/11
24	4/26	4/20	4/15	4/12	4/08	4/04	3/31	3/27	3/20
20	4/01	3/24	3/19	3/14	3/10	3/05	2/28	2/23	2/15
16	3/27	3/15	3/07	2/27	2/21	2/14	2/07	1/29	1/17
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	8/25	8/30	9/02	9/05	9/07	9/10	9/12	9/15	9/20
32	9/02	9/07	9/11	9/14	9/17	9/20	9/23	9/27	10/02
28	9/09	9/16	9/21	9/26	9/30	10/04	10/09	10/14	10/21
24	9/27	10/04	10/09	10/13	10/17	10/21	10/26	10/31	11/07
20	10/12	10/21	10/28	11/02	11/08	11/13	11/19	11/25	12/04
16	10/26	11/04	11/10	11/16	11/21	11/26	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	104	95	89	84	79	74	68	62	53
32	137	129	123	118	113	108	103	97	89
28	184	173	165	158	151	145	138	130	119
24	220	211	204	197	192	186	180	173	163
20	281	267	258	250	242	235	227	217	204
16	317	302	291	281	273	264	254	243	228

* 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	1137	895	823	616	427	236	102	98	277	581	898	1133	7223
60	982	755	668	466	280	123	35	35	164	427	748	978	5661
57	889	671	575	379	199	73	15	16	111	336	658	885	4807
55	827	615	513	322	152	48	8	9	81	278	598	823	4274
50	672	479	359	194	66	12	0	1	30	152	457	668	3090
32	209	102	19	3	0	0	0	0	0	2	87	200	622

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	95	131	220	377	596	766	993	1012	733	443	179	91	5636
55	0	0	0	7	36	124	288	308	124	7	0	0	894
57	0	0	0	3	20	90	233	253	94	3	0	0	696
60	0	0	0	0	8	49	160	179	57	1	0	0	454
65	0	0	0	0	0	12	72	87	20	0	0	0	191
70	0	0	0	0	0	1	20	28	5	0	0	0	54

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	21	62	170	362	533	755	773	502	224	39	5	2	23	85	255	617	1150	1905	2678	3180	3404	3443	3448
45	0	2	16	81	220	385	600	618	352	117	10	0	0	2	18	99	319	704	1304	1922	2274	2391	2401	2401
50	0	0	0	27	115	244	445	463	225	52	0	0	0	0	0	27	142	386	831	1294	1519	1571	1571	1571
55	0	0	0	7	48	134	293	314	121	13	0	0	0	0	0	7	55	189	482	796	917	930	930	930
60	0	0	0	1	15	53	162	178	50	1	0	0	0	0	0	1	16	69	231	409	459	460	460	460
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	11	43	111	217	323	476	492	324	150	15	0	0	11	54	165	382	705	1181	1673	1997	2147	2162	2162

(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

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