

Climatology of the United States

No. 20

1971-2000

Station: LAKEVIEW 2 NNW, OR

COOP ID: 354670

Climate Division: OR 7

NWS Call Sign:

Elevation: 4,778 Feet Lat: 42° 13N

Lon: 120° 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	37.8	20.6	29.2	62	1931	29	37.3	1986	-22+	1937	21	18.7	1989	1110	0	.0	.0	2.2	6.5	27.7	1.5
Feb	42.0	24.0	33.0	69+	1986	27	41.1	1991	-22+	1933	10	22.8	1989	897	0	.0	.0	5.0	3.1	24.7	.9
Mar	47.9	27.8	37.9	79	1928	18	43.2	1992	-4	1971	1	32.2	1985	841	0	.0	.0	12.8	.7	24.0	.1
Apr	55.8	31.6	43.7	87	1980	27	49.4	1990	2	1936	1	36.4	1975	640	0	.0	.0	21.3	.0	17.4	.0
May	64.6	37.6	51.1	96	1986	29	60.1	1992	17	1988	1	44.9	1998	436	4	.0	.1	27.8	.0	8.3	.0
Jun	74.0	44.1	59.1	101	1985	18	66.6	1977	20	1932	6	53.8	1980	213	35	@	1.1	29.9	.0	1.6	.0
Jul	83.8	50.3	67.1	106	1931	20	71.6	1994	30	1976	1	59.9	1993	70	132	@	8.2	31.0	.0	.1	.0
Aug	83.1	48.4	65.8	102	1992	11	70.8	1996	26	1999	31	57.4	1976	85	108	.1	6.4	31.0	.0	.1	.0
Sep	75.1	41.8	58.5	99+	1955	5	63.2	1974	12	1934	25	51.1	1986	229	32	.0	1.3	29.4	.0	3.3	.0
Oct	62.7	33.1	47.9	89	1996	8	55.8	1988	0	1935	30	42.1+	1985	532	2	.0	.0	26.7	.1	14.9	.0
Nov	46.0	26.0	36.0	79	1929	3	42.7	1995	-7+	1935	3	27.2	1994	870	0	.0	.0	9.8	1.4	23.7	.3
Dec	38.6	20.6	29.6	67	1939	4	34.2	1980	-20	1972	9	21.8	1990	1098	0	.0	.0	3.4	6.3	28.2	1.4
Ann	59.3	33.8	46.6	106	Jul 1931	20	71.6	Jul 1994	-22+	Jan 1937	21	18.7	Jan 1989	7021	313	.1	17.1	230.3	18.1	174.0	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: 1928-2001

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

069-A

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: LAKEVIEW 2 NNW, OR

COOP ID: 354670

Climate Division: OR 7

NWS Call Sign:

Elevation: 4,778 Feet Lat: 42°13N

Lon: 120°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	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	1.90	1.62	1.78	1964	20	4.56	1996	.20	1984	11.6	5.5	.9	.1	.31	.48	.75	1.02	1.29	1.58	1.92	2.32	2.87	3.76	4.61
Feb	1.69	1.33	1.53	1999	9	4.71	1986	.19	1977	10.7	5.6	.6	@	.32	.47	.72	.95	1.18	1.43	1.71	2.05	2.51	3.24	3.93
Mar	1.70	1.79	1.22	1971	12	3.84	1971	.31	1980	11.7	5.5	.7	@	.36	.51	.76	.99	1.21	1.46	1.73	2.06	2.50	3.19	3.85
Apr	1.30	1.18	1.15	1988	14	3.38	1988	.29	1977	9.5	3.8	.5	.1	.36	.49	.67	.84	1.00	1.16	1.35	1.56	1.85	2.29	2.71
May	1.46	1.18	1.35	1951	6	4.36	1998	.32	1976	8.3	4.5	.6	.1	.29	.42	.63	.83	1.03	1.24	1.49	1.78	2.17	2.79	3.39
Jun	.99	.95	1.82	1993	6	3.17	1993	.02	1973	5.8	3.0	.4	.1	.07	.14	.26	.40	.55	.72	.93	1.20	1.57	2.19	2.80
Jul	.48	.32	.79	1976	18	1.39	1976	.00+	1989	3.1	1.4	.2	.0	.00	.03	.10	.17	.25	.34	.45	.59	.77	1.09	1.40
Aug	.42	.16	1.00	1984	30	3.04	1976	.00+	1998	2.6	1.2	.2	@	.00	.00	.00	.03	.09	.18	.31	.48	.73	1.18	1.64
Sep	.77	.57	1.81	2000	1	2.73	1986	.00+	1999	4.0	1.9	.4	.1	.00	.00	.12	.24	.37	.53	.71	.95	1.28	1.84	2.39
Oct	1.02	.93	2.10	1962	10	2.52	1975	.00+	1988	6.0	3.2	.4	@	.00	.00	.36	.54	.71	.88	1.07	1.30	1.58	2.05	2.49
Nov	1.83	1.41	2.02	1985	28	4.51	1998	.18	1976	10.4	5.4	.6	.2	.25	.40	.66	.92	1.18	1.48	1.82	2.23	2.79	3.71	4.60
Dec	1.90	1.47	2.39	1937	10	6.31	1981	.01	1976	11.1	6.0	.7	.1	.15	.28	.53	.79	1.08	1.42	1.81	2.32	3.01	4.17	5.32
Ann	15.46	14.45	2.39	Dec 1937	10	6.31	Dec 1981	.00+	Sep 1999	94.8	47.0	6.2	.8	9.94	10.97	12.30	13.33	14.26	15.16	16.10	17.15	18.43	20.31	21.95

+ 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: 1928-2001

(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: LAKEVIEW 2 NNW, OR

COOP ID: 354670

Climate Division: OR 7

NWS Call Sign:

Elevation: 4,778 Feet

Lat: 42° 13N

Lon: 120° 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	10.2	10.2	4	1	12.0	1993	1	19.5+	1999	44	1993	13	31	1993	5.1	4.5	1.5	.4	.1	9.2	6.2	5.1	2.0
Feb	10.8	9.8	3	1	19.0	1999	9	50.0	1999	37	1996	3	22	1993	4.9	4.4	1.3	.6	.1	7.6	4.7	3.7	1.7
Mar	6.4	5.0	#	#	12.0	1971	12	22.0	1971	9	1976	1	2	1971	3.1	2.8	.7	.2	@	3.4	1.5	.8	.0
Apr	4.0	2.0	#	#	10.0	1971	20	20.0	1999	10	1971	20	1	1999	2.0	1.6	.5	.2	@	1.3	.2	.1	@
May	1.8	.0	#	0	10.0	1974	17	15.0	1991	3	1974	17	#+	1998	.9	.7	.1	.1	.1	.2	@	.0	.0
Jun	.1	.0	#	0	1.0	1995	7	1.0	1995	1	1995	7	#	1995	.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	3.0	1971	30	5.5	1971	1	1971	26	#	1971	.1	.1	@	.0	.0	@	.0	.0	.0
Oct	1.4	.0	#	0	6.0	1971	30	15.0	1971	5	1971	30	1	1971	.6	.5	.2	.1	.0	.5	.2	@	.0
Nov	7.0	4.0	1	#	12.0	1998	7	26.6	1979	12	1998	7	4	1994	3.3	2.8	1.0	.4	.1	1.8	.7	.3	.1
Dec	10.1	9.0	2	1	11.0	1994	3	27.5	1983	21	1994	15	9	1994	5.1	4.8	1.6	.5	@	11.5	6.2	4.4	1.0
Ann	52.0	40.0	N/A	N/A	19.0	Feb 1999	9	50.0	Feb 1999	44	Jan 1993	13	31	Jan 1993	25.2	22.2	6.9	2.5	.4	35.5	19.7	14.4	4.8

+ 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:

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Climate Division: OR 7

NWS Call Sign:

Elevation: 4,778 Feet

Lat: 42° 13N

Lon: 120° 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	7/18	7/12	7/08	7/05	7/02	6/28	6/25	6/21	6/16
32	7/03	6/26	6/20	6/16	6/12	6/07	6/03	5/29	5/21
28	6/11	6/04	5/30	5/26	5/22	5/18	5/14	5/09	5/03
24	5/17	5/11	5/07	5/03	4/29	4/26	4/22	4/17	4/11
20	5/05	4/25	4/19	4/13	4/07	4/02	3/27	3/21	3/11
16	4/10	4/01	3/25	3/20	3/15	3/09	3/04	2/25	2/16
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	8/11	8/17	8/22	8/27	8/31	9/03	9/08	9/13	9/19
32	8/30	9/05	9/10	9/14	9/18	9/21	9/25	9/30	10/06
28	9/15	9/21	9/25	9/29	10/02	10/05	10/09	10/13	10/19
24	9/25	10/01	10/06	10/10	10/14	10/17	10/21	10/26	11/01
20	10/18	10/24	10/29	11/01	11/05	11/08	11/12	11/17	11/23
16	10/26	11/02	11/06	11/10	11/14	11/18	11/22	11/27	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	85	76	70	64	59	54	49	42	34
32	126	116	109	103	97	91	85	78	68
28	159	149	143	137	132	127	121	114	105
24	193	184	178	172	167	161	156	149	140
20	241	231	223	217	211	205	198	191	181
16	279	267	258	251	244	237	229	221	209

* 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:
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NWS Call Sign:

Elevation: 4,778 Feet Lat: 42°13N Lon: 120°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	1110	897	841	640	436	213	70	85	229	532	870	1098	7021
60	955	757	686	490	296	117	22	29	131	386	720	943	5532
57	862	673	593	404	221	75	10	13	86	306	630	850	4723
55	800	617	531	348	178	52	5	7	62	257	572	788	4217
50	650	482	383	221	92	17	0	1	22	153	428	633	3082
32	202	105	34	8	0	0	0	0	0	4	65	159	577

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	115	132	216	358	591	812	1085	1047	793	498	185	84	5916
55	0	0	0	9	56	174	377	341	165	37	1	0	1160
57	0	0	0	5	37	136	321	285	129	24	0	0	937
60	0	0	0	1	19	89	240	208	84	12	0	0	653
65	0	0	0	0	4	35	132	108	32	2	0	0	313
70	0	0	0	0	0	10	57	41	9	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	2	21	56	163	356	583	843	799	555	277	43	2	2	23	79	242	598	1181	2024	2823	3378	3655	3698	3700
45	0	2	11	75	227	435	688	645	411	161	10	0	0	2	13	88	315	750	1438	2083	2494	2655	2665	2665
50	0	0	0	27	120	297	533	490	275	75	1	0	0	0	0	27	147	444	977	1467	1742	1817	1818	1818
55	0	0	0	3	53	174	379	339	158	27	0	0	0	0	0	3	56	230	609	948	1106	1133	1133	1133
60	0	0	0	0	17	81	239	206	71	5	0	0	0	0	0	0	17	98	337	543	614	619	619	619
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	17	50	124	243	380	542	522	383	220	39	0	0	17	67	191	434	814	1356	1878	2261	2481	2520	2520

(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