U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data,
and Information Service

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: CONDON, OR **COOP ID: 351765**

Climate Division: OR 6 **NWS Call Sign:** **Elevation: 2,840 Feet** **Lat: 45˚14N** **Lon: 120˚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	37.7	22.9	30.3	67	1939	1	38.8	1994	-22	1930	21	14.2	1979	1077	0	.0	.0	4.9	8.5	25.5	1.2
Feb	42.8	26.1	34.5	71	1995	21	41.0	1991	-22	1933	9	22.8	1989	855	0	.0	.0	7.2	4.4	21.2	.7
Mar	50.3	30.1	40.2	77	1939	20	44.4	1986	2+	1960	4	36.5	1975	770	0	.0	.0	17.1	.3	20.4	.0
Apr	57.0	33.7	45.4	85	1939	29	50.1	2000	17+	1951	21	40.1	1975	589	0	.0	.0	24.7	.0	13.4	.0
May	64.9	39.2	52.1	97	1931	31	57.3	1993	19	1954	1	47.4	1977	403	2	.0	.1	30.2	.0	5.7	.0
Jun	72.9	44.9	58.9	98+	1992	24	64.7	1992	27	1955	15	54.2	1991	206	23	.0	.7	29.9	.0	.4	.0
Jul	81.9	50.1	66.0	111	1928	24	70.8	1985	29	1955	5	58.2	1993	78	109	.1	5.9	31.0	.0	.0	.0
Aug	81.4	50.1	65.8	103+	1972	8	70.5	1971	32	1960	22	61.5	1980	75	99	.2	5.1	31.0	.0	.0	.0
Sep	72.1	43.3	57.7	99	1998	1	62.7	1998	22	1999	27	51.4	1985	243	24	.0	.5	29.9	.0	1.2	.0
Oct	60.6	35.6	48.1	88+	1980	7	54.6	1988	3	1935	30	44.5	1984	524	0	.0	.0	27.4	@	9.9	.0
Nov	45.1	28.9	37.0	74	1999	13	44.9	1999	-14	1985	24	25.6	1985	839	0	.0	.0	10.6	2.7	19.0	.3
Dec	38.1	23.2	30.7	69	1939	5	37.4	1980	-22	1990	21	19.5	1985	1066	0	.0	.0	4.8	8.1	25.7	1.0
Ann	58.7	35.7	47.2	111	Jul 1928	24	70.8	Jul 1985	-22+	Dec 1990	21	14.2	Jan 1979	6725	257	.3	12.3	248.7	24.0	142.4	3.2

\+ 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/normals/usnormals.html

(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

U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data,
and Information Service

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: CONDON, OR **COOP ID: 351765**

Climate Division: OR 6 **NWS Call Sign:** **Elevation: 2,840 Feet** **Lat: 45˚14N** **Lon: 120˚11W**

Precipitation (inches)

Precipitation Totals

Month	Means/ Medians(1) Mean	Means/ Medians(1) Median	Extremes Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year
Jan	1.60	1.51	1.25	1998	10	3.39	1998	.29	1984
Feb	1.37	1.19	1.11	1961	10	3.23	1986	.15	1988
Mar	1.36	1.25	.88	1994	31	2.88	1984	.59	1999
Apr	1.35	1.28	1.23	1988	21	3.68	1988	.09	1977
May	1.42	1.15	1.17	1977	10	4.30	1998	.23	1992
Jun	1.01	.82	2.02	1935	14	3.55	1972	.13	1973
Jul	.55	.31	2.21	1993	14	2.92	1993	.00+	2000
Aug	.61	.24	1.52	1976	7	3.96	1976	.00+	1988
Sep	.68	.51	1.10	1940	10	2.40	1973	.00+	1999
Oct	1.06	.95	1.09	1982	29	3.54	1979	.00+	1988
Nov	1.88	1.79	2.25	1996	19	4.71	1973	.36	1982
Dec	1.67	1.42	1.33	1945	28	5.02	1981	.41	1976
Ann	14.56	14.31	2.25	Nov 1996	19	5.02	Dec 1981	.00+	Jul 2000

Mean Number of Days (3)

Month	Daily Precipitation >= 0.01	>= 0.10	>= 0.50	>= 1.00
Jan	13.1	5.3	.4	@
Feb	13.6	4.9	.2	.0
Mar	13.0	4.8	.3	.0
Apr	11.1	4.2	.4	.1
May	8.8	4.1	.6	.1
Jun	6.9	2.7	.5	.1
Jul	3.4	1.3	.2	.1
Aug	3.7	1.9	.3	.1
Sep	5.1	2.3	.2	@
Oct	7.4	3.3	.4	@
Nov	15.4	6.5	.4	@
Dec	13.5	5.8	.5	@
Ann	115.0	47.1	4.4	.5

Precipitation Probabilities (1)

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	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	.46	.61	.84	1.04	1.23	1.44	1.66	1.93	2.27	2.82	3.32
Feb	.44	.57	.76	.93	1.09	1.25	1.43	1.64	1.92	2.34	2.73
Mar	.58	.70	.87	1.02	1.15	1.28	1.43	1.60	1.81	2.13	2.42
Apr	.25	.38	.57	.76	.94	1.14	1.37	1.64	2.01	2.59	3.15
May	.25	.37	.58	.77	.97	1.19	1.43	1.73	2.13	2.77	3.38
Jun	.10	.17	.31	.45	.60	.78	.98	1.24	1.59	2.17	2.75
Jul	.00	.00	.00	.08	.19	.31	.47	.67	.96	1.46	1.96
Aug	.00	.00	.05	.13	.23	.36	.51	.72	1.02	1.55	2.08
Sep	.00	.00	.05	.18	.31	.45	.63	.85	1.16	1.67	2.19
Oct	.00	.20	.42	.58	.75	.92	1.11	1.33	1.62	2.09	2.54
Nov	.53	.71	.98	1.21	1.44	1.68	1.95	2.26	2.66	3.30	3.89
Dec	.33	.48	.73	.95	1.18	1.42	1.70	2.03	2.47	3.17	3.84
Ann	9.66	10.58	11.78	12.70	13.53	14.33	15.16	16.09	17.22	18.87	20.31

\+ 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: 1928-2001
(3) Derived from 1971-2000 serially complete daily data

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

U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data,
and Information Services

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: CONDON, OR **COOP ID: 351765**

Climate Division: OR 6 **NWS Call Sign:** **Elevation: 2,840 Feet** **Lat: 45°14N** **Lon: 120°11W**

Snow (inches)

Snow Totals

Means/Medians (1)

Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median
Jan	4.5	4.0	2	1
Feb	5.6	4.2	1	#
Mar	1.8	1.0	#	#
Apr	.7	.0	#	0
May	.1	.0	0	0
Jun	.0	.0	0	0
Jul	.0	.0	0	0
Aug	.0	.0	0	0
Sep	.0	.0	0	0
Oct	.2	.0	#	0
Nov	4.7	1.8	1	#
Dec	5.8	3.5	1	#
Ann	23.4	14.5	N/A	N/A

Extremes (2)

Month	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year
Jan	16.0	1998	10	16.5	1979	16	1998	11	8	1979
Feb	11.0	1986	12	19.0	1986	12	1986	14	3	1993
Mar	5.0	1980	5	5.0	1980	5	1980	5	1	1993
Apr	4.0	1975	4	5.0	1979	3	1998	13	#+	1999
May	2.0	1977	7	2.0	1977	0	0	0	0	0
Jun	.0	0	0	.0	0	0	0	0	0	0
Jul	.0	0	0	.0	0	0	0	0	0	0
Aug	.0	0	0	.0	0	0	0	0	0	0
Sep	.0	0	0	.0	0	0	0	0	0	0
Oct	7.0	1991	29	7.0	1991	5	1971	30	#+	1973
Nov	10.0	1977	22	23.5	1973	18	1996	19	4	1985
Dec	6.0	1973	29	17.5	1983	13	1985	2	4	1985
Ann	16.0	Jan 1998	10	23.5	Nov 1973	18	Nov 1996	19	8	Jan 1979

Mean Number of Days (1)

Snow Fall >= Thresholds

Month	0.1	1.0	3.0	5.0	10.0
Jan	3.2	2.1	.6	.2	@
Feb	2.9	2.1	.5	.1	@
Mar	1.4	.9	.2	@	.0
Apr	.6	.4	.1	.0	.0
May	.1	@	.0	.0	.0
Jun	.0	.0	.0	.0	.0
Jul	.0	.0	.0	.0	.0
Aug	.0	.0	.0	.0	.0
Sep	.0	.0	.0	.0	.0
Oct	.1	.1	.1	@	.0
Nov	2.0	1.7	.5	.2	@
Dec	3.4	2.5	.4	.1	.0
Ann	13.7	9.8	2.4	.6	@

Snow Depth >= Thresholds

Month	1	3	5	10
Jan	6.6	3.8	2.1	.7
Feb	2.9	2.3	1.5	.1
Mar	.7	.2	@	.0
Apr	.1	@	.0	.0
May	.0	.0	.0	.0
Jun	.0	.0	.0	.0
Jul	.0	.0	.0	.0
Aug	.0	.0	.0	.0
Sep	.0	.0	.0	.0
Oct	.1	@	@	.0
Nov	2.4	1.6	1.3	.2
Dec	6.8	4.2	2.0	.7
Ann	19.6	12.1	6.9	1.7

+ 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/normals/usnormals.html

U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data,
and Information Service

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: CONDON, OR **COOP ID: 351765**

Climate Division: OR 6 **NWS Call Sign:** **Elevation: 2,840 Feet** **Lat: 45˚14N** **Lon: 120˚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	7/13	7/06	6/30	6/26	6/22	6/18	6/13	6/08	6/01
32	6/10	6/05	6/01	5/29	5/26	5/24	5/21	5/17	5/12
28	5/29	5/21	5/16	5/11	5/07	5/02	4/27	4/22	4/14
24	5/07	4/27	4/20	4/14	4/08	4/02	3/27	3/20	3/10
20	4/04	3/25	3/17	3/11	3/05	2/26	2/20	2/12	2/02
16	3/15	3/03	2/22	2/14	2/07	1/31	1/23	1/14	1/02

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	8/27	9/02	9/06	9/10	9/13	9/16	9/20	9/24	9/29
32	9/16	9/21	9/24	9/27	9/30	10/03	10/06	10/10	10/15
28	9/27	10/02	10/06	10/09	10/12	10/15	10/19	10/22	10/28
24	10/09	10/16	10/20	10/24	10/27	10/31	11/04	11/08	11/14
20	10/24	11/01	11/07	11/12	11/17	11/22	11/27	12/03	12/11
16	11/03	11/12	11/19	11/24	11/29	12/04	12/10	12/16	12/25

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	110	100	93	88	82	77	71	64	54
32	144	138	133	130	126	122	119	114	108
28	183	174	168	163	158	153	148	142	133
24	238	226	217	209	202	195	187	178	165
20	296	283	273	265	257	249	241	231	218
16	331	317	307	299	292	285	278	269	257

***** 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/normals/usnormals.html

U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data,
and Information Service

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: CONDON, OR **COOP ID: 351765**

Climate Division: OR 6 **NWS Call Sign:** **Elevation: 2,840 Feet** **Lat: 45˚14N** **Lon: 120˚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	1077	855	770	589	403	206	78	75	243	524	839	1066	6725
60	922	715	615	439	259	105	25	23	137	370	689	911	5210
57	829	631	522	353	184	62	11	10	88	280	599	818	4387
55	767	575	460	297	142	40	5	4	62	224	543	756	3875
50	622	440	306	172	61	10	0	0	19	107	404	602	2743
32	194	80	6	0	0	0	0	0	0	1	70	162	513

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	140	149	259	402	622	807	1054	1047	771	500	221	119	6091
55	0	0	0	8	50	157	346	338	143	10	4	0	1056
57	0	0	0	4	31	119	290	282	109	4	0	0	839
60	0	0	0	1	13	72	211	202	68	1	0	0	568
65	0	0	0	0	2	23	109	99	24	0	0	0	257
70	0	0	0	0	0	5	40	33	6	0	0	0	84

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	28	39	90	190	391	576	812	805	546	280	69	27	28	67	157	347	738	1314	2126	2931	3477	3757	3826	3853
45	3	10	29	94	245	426	657	650	397	159	22	2	3	13	42	136	381	807	1464	2114	2511	2670	2692	2694
50	0	0	0	36	131	284	502	496	262	73	5	0	0	0	0	36	167	451	953	1449	1711	1784	1789	1789
55	0	0	0	7	68	160	351	344	146	25	0	0	0	0	0	7	75	235	586	930	1076	1101	1101	1101
60	0	0	0	1	28	75	215	202	64	6	0	0	0	0	0	1	29	104	319	521	585	591	591	591
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	7	22	52	122	247	361	516	513	348	189	31	6	7	29	81	203	450	811	1327	1840	2188	2377	2408	2414

(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.
Compete documentation for the 1971-2000 Normals is available on the internet from:
www.ncdc.noaa.gov/oa/climate/normals/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/normals.html
U.S. Climate Normals 1971-2000-Products Clim20, www.ncdc.noaa.gov/oa/climate/normals/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