

Climatography of the United States

No. 20

1971-2000

Station: DREWSEY, OR

COOP ID: 352415

Climate Division: OR 7

NWS Call Sign:

Elevation: 3,515 Feet Lat: 43°48N

Lon: 118°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	35.4	15.1	25.3	64	1983	19	33.9	1998	-27	1979	30	12.0	1979	1232	0	.0	.0	.9	10.0	29.3	4.7
Feb	43.1	21.1	32.1	67	1995	24	39.2	1995	-33	1985	4	18.6	1989	923	0	.0	.0	5.5	3.2	25.8	1.4
Mar	52.9	25.7	39.3	78	1978	28	45.1	1978	-19	1993	1	33.6	1985	796	0	.0	.0	19.9	.2	25.8	.0
Apr	61.7	29.9	45.8	89	1977	24	51.4	1990	9+	1997	12	40.4	1975	576	0	.0	.0	27.4	.0	19.1	.0
May	70.9	37.3	54.1	100	1986	30	59.1	1992	13	1970	11	50.9+	1999	341	3	@	.6	30.9	.0	7.7	.0
Jun	79.7	43.8	61.8	101	1974	17	67.8	1974	25+	1994	8	56.4	1984	150	52	.1	4.3	30.0	.0	1.9	.0
Jul	88.7	48.6	68.7	104+	1998	17	72.8	1975	29	1981	8	60.3	1993	42	156	1.0	16.4	31.0	.0	.2	.0
Aug	88.1	45.9	67.0	104+	1990	6	71.8	1971	26	1992	25	62.4+	1993	57	119	.9	13.6	31.0	.0	.8	.0
Sep	78.6	36.1	57.4	100+	1998	4	62.5	1990	11	1971	18	50.0	1985	253	23	.1	3.7	29.9	.0	10.1	.0
Oct	65.4	27.3	46.4	90	1979	5	52.7	1988	-1	1971	29	41.6	1984	578	0	.0	@	29.0	.0	23.2	@
Nov	46.4	22.1	34.3	70	1975	3	40.0	1999	-17	1985	23	23.2	1985	923	0	.0	.0	11.0	1.9	26.1	.9
Dec	35.9	15.4	25.7	60+	1995	12	33.3	1977	-36	1972	9	8.6	1985	1221	0	.0	.0	1.9	9.1	29.5	3.1
Ann	62.2	30.7	46.5	104+	Jul 1998	17	72.8	Jul 1975	-36	Dec 1972	9	8.6	Dec 1985	7092	353	2.1	38.6	248.4	24.4	199.5	10.1

+ 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: 1970-2001

(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: DREWSEY, OR

COOP ID: 352415

Climate Division: OR 7

NWS Call Sign:

Elevation: 3,515 Feet Lat: 43°48N

Lon: 118°23W

Precipitation (inches)

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	1.33	1.17	1.20	1982	22	3.62	1995	.03	1985	8.5	4.7	.3	.1	.15	.25	.44	.62	.82	1.04	1.30	1.63	2.07	2.79	3.50
Feb	1.09	1.01	.95	1986	18	2.94	2000	.08	1997	8.3	4.1	.2	.0	.19	.28	.44	.59	.74	.91	1.10	1.33	1.64	2.14	2.62
Mar	1.17	1.18	1.05	1978	5	2.97	1989	.01	1977	8.5	4.3	.3	@	.11	.19	.35	.52	.69	.89	1.13	1.42	1.83	2.51	3.17
Apr	.78	.71	.61+	1989	24	2.24	1993	.00	1977	7.3	2.8	.2	.0	.06	.15	.28	.39	.51	.64	.79	.97	1.21	1.60	1.98
May	.97	.96	.75	1981	20	3.58	1998	.03	1975	7.0	3.6	.3	.0	.08	.15	.27	.41	.55	.72	.92	1.18	1.53	2.11	2.69
Jun	.74	.59	1.33	1980	15	2.05	1993	.00+	1985	5.2	2.2	.4	@	.00	.07	.20	.32	.44	.58	.73	.92	1.18	1.61	2.02
Jul	.41	.30	1.05	1985	30	1.44	1992	.00+	1986	2.5	1.2	.2	@	.00	.00	.05	.10	.17	.26	.36	.49	.68	1.00	1.33
Aug	.45	.28	1.11	1984	30	1.82	1976	.00+	2000	3.3	1.4	.1	@	.00	.00	.02	.10	.19	.28	.41	.56	.78	1.14	1.51
Sep	.51	.40	.95	2000	17	1.71	2000	.00+	1999	3.3	1.6	.2	.0	.00	.00	.06	.14	.22	.33	.46	.62	.86	1.26	1.66
Oct	.62	.45	2.32	1980	26	2.90	1980	.00+	1988	4.0	2.0	.1	@	.00	.00	.10	.20	.31	.43	.58	.77	1.02	1.45	1.88
Nov	1.31	1.12	1.75	1981	15	3.39	1981	.01	1976	9.7	4.5	.4	@	.10	.19	.36	.54	.74	.97	1.25	1.60	2.08	2.89	3.68
Dec	1.32	1.07	1.00	1981	19	4.00	1996	.00	1989	8.4	4.6	.3	@	.09	.23	.44	.63	.83	1.06	1.32	1.63	2.06	2.76	3.43
Ann	10.70	10.29	2.32	Oct 1980	26	4.00	Dec 1996	.00+	Aug 2000	76.0	37.0	3.0	.1	6.23	7.03	8.09	8.92	9.68	10.42	11.20	12.07	13.15	14.75	16.16

+ 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: 1970-2001

(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: DREWSEY, OR

COOP ID: 352415

Climate Division: OR 7

NWS Call Sign:

Elevation: 3,515 Feet

Lat: 43°48N

Lon: 118°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	8.1	7.3	3	1	7.0	1993	1	37.0	1993	25	1993	24	23	1993	3.8	3.0	1.0	.2	.0	9.6	4.8	3.4	2.5
Feb	5.1	4.0	2	#	7.0	1986	13	25.5	1999	28	1993	23	23	1993	2.5	2.0	.7	.2	.0	5.7	3.4	2.9	2.3
Mar	1.3	.0	1	0	4.0	1972	1	4.5+	1972	28	1993	3	13	1993	.9	.6	.2	.0	.0	1.3	1.2	1.1	.9
Apr	.2	.0	#	0	2.5	1998	15	4.5	1998	#	1977	2	#	1977	.2	.2	.0	.0	.0	.0	.0	.0	.0
May	.1	.0	0	0	1.0	1982	9	1.0	1982	0	0	0	0	0	.1	@	.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	.1	.0	0	0	1.5	1991	29	1.5	1991	0	0	0	0	0	@	@	.0	.0	.0	.0	.0	.0	.0
Nov	2.6	2.0	#	#	5.0	1994	25	12.7	1994	6	1994	27	2	1985	1.6	1.2	.3	@	.0	2.4	.7	.2	.0
Dec	7.7	6.5	2	1	7.0	1992	31	29.0	1992	14+	1992	31	12	1985	3.8	2.8	1.1	.3	.0	11.5	4.3	2.6	.3
Ann	25.2	19.8	N/A	N/A	7.0+	Jan 1993	1	37.0	Jan 1993	28+	Mar 1993	3	23+	Feb 1993	12.9	9.8	3.3	.7	.0	30.5	14.4	10.2	6.0

+ 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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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	7/16	7/11	7/07	7/04	6/30	6/27	6/22	6/16
32	7/08	7/02	6/27	6/23	6/19	6/15	6/11	6/07	5/31
28	6/13	6/06	6/02	5/29	5/25	5/21	5/17	5/12	5/06
24	5/24	5/17	5/12	5/08	5/04	4/30	4/26	4/21	4/14
20	5/09	5/02	4/26	4/22	4/17	4/13	4/08	4/03	3/27
16	4/30	4/19	4/12	4/05	3/30	3/24	3/18	3/11	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	8/05	8/11	8/15	8/18	8/21	8/25	8/28	9/01	9/06
32	8/16	8/22	8/26	8/29	9/01	9/04	9/07	9/11	9/17
28	8/29	9/03	9/07	9/11	9/14	9/17	9/20	9/24	9/29
24	9/15	9/20	9/23	9/25	9/28	9/30	10/03	10/06	10/11
20	9/22	9/27	10/01	10/04	10/07	10/10	10/13	10/16	10/21
16	9/29	10/05	10/09	10/13	10/17	10/20	10/24	10/28	11/03
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	70	63	57	52	48	43	38	33	25
32	96	88	82	78	73	69	64	59	51
28	132	125	120	115	111	107	103	98	90
24	170	162	156	151	146	141	137	131	123
20	198	189	182	177	172	166	161	154	145
16	235	223	214	206	199	192	185	176	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:

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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	1232	923	796	576	341	150	42	57	253	578	923	1221	7092
60	1077	783	641	427	201	69	11	16	145	424	773	1066	5633
57	984	699	548	341	133	36	4	6	95	334	683	973	4836
55	922	643	486	286	95	22	1	3	68	276	623	911	4336
50	771	511	335	166	32	5	0	0	24	151	476	756	3227
32	301	136	17	2	0	0	0	0	0	1	90	286	833

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	92	138	245	416	685	893	1137	1085	760	446	157	89	6143
55	0	0	0	11	67	224	425	375	139	8	0	0	1249
57	0	0	0	6	43	179	365	316	105	4	0	0	1018
60	0	0	0	1	18	121	280	233	65	1	0	0	719
65	0	0	0	0	3	52	156	119	23	0	0	0	353
70	0	0	0	0	0	16	71	45	6	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	0	15	68	202	440	656	897	837	526	235	32	3	0	15	83	285	725	1381	2278	3115	3641	3876	3908	3911
45	0	0	16	99	293	506	742	682	383	120	6	0	0	0	16	115	408	914	1656	2338	2721	2841	2847	2847
50	0	0	0	40	166	362	587	528	246	46	0	0	0	0	0	40	206	568	1155	1683	1929	1975	1975	1975
55	0	0	0	8	79	231	433	376	132	9	0	0	0	0	0	8	87	318	751	1127	1259	1268	1268	1268
60	0	0	0	0	26	119	286	232	53	0	0	0	0	0	0	0	26	145	431	663	716	716	716	716
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	18	82	185	322	441	563	543	419	251	34	0	0	18	100	285	607	1048	1611	2154	2573	2824	2858	2858

(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