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: WEST BUXTON 2 NNW, ME **COOP ID: 179314**

Climate Division: ME 2 **NWS Call Sign:** **Elevation: 150 Feet** **Lat: 43˚42N** **Lon: 70˚37W**

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	30.2	6.4	18.3	59	1995	16	26.8	1990	-34	1971	19	8.2	1981	1448	0	.0	.0	1.2	17.2	30.6	10.9
Feb	33.9	8.7	21.3	63+	1994	20	29.5	1998	-32	1971	3	13.3	1993	1225	0	.0	.0	1.7	12.1	27.8	8.1
Mar	42.5	20.2	31.4	88	1998	31	36.8	2000	-22	1967	2	25.0	1984	1044	0	.0	.0	7.2	4.3	28.2	1.5
Apr	54.4	30.2	42.3	94	1990	27	46.3	1986	5+	1969	1	38.6	1972	681	0	.0	@	20.4	.3	19.1	.0
May	66.7	40.6	53.7	94+	1992	22	57.9	1991	20+	1985	9	49.5	1974	353	2	.0	.5	29.9	.0	4.8	.0
Jun	75.5	50.2	62.9	95+	1991	28	67.2	1999	32+	1980	12	56.8	1982	109	43	.0	1.2	30.0	.0	@	.0
Jul	80.5	55.9	68.2	98	1991	20	71.9	1994	38+	1983	10	64.6	1992	21	120	.0	2.2	31.0	.0	.0	.0
Aug	78.7	54.0	66.4	98+	1975	2	70.1	1973	30	1976	31	62.3	1982	49	90	.0	1.2	31.0	.0	.1	.0
Sep	70.0	45.2	57.6	97	1953	2	63.9	1999	23+	1980	30	52.5	1978	231	7	.0	.2	30.0	.0	2.4	.0
Oct	58.8	33.7	46.3	87	1963	7	51.9	1971	12	1974	28	41.5	1974	582	0	.0	.0	26.9	.0	14.9	.0
Nov	46.7	25.6	36.2	74+	1987	4	41.0	1999	-3	1989	24	32.2	1976	866	0	.0	.0	11.1	1.7	23.4	.1
Dec	35.2	14.1	24.7	70	1998	7	31.9	1996	-31	1980	26	10.2	1989	1251	0	.0	.0	2.3	11.4	29.9	4.5
Ann	56.1	32.1	44.1	98+	Jul 1991	20	71.9	Jul 1994	-34	Jan 1971	19	8.2	Jan 1981	7860	262	.0	5.3	222.7	47.0	181.2	25.1

\+ 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/normals/usnormals.html

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1953-2001

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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	3.73	4.03	2.61	1983	11	10.58	1979	.42	1980
Feb	3.01	2.82	3.29	1965	25	8.57	1981	.00	1987
Mar	4.31	4.04	4.14	1983	19	11.81	1983	1.31	1988
Apr	4.45	4.38	3.75	1980	10	7.90	1973	.22	1999
May	3.91	3.56	3.27	1984	29	11.14	1984	.86	1975
Jun	3.60	3.45	4.54	1998	13	11.93	1998	.77	1979
Jul	3.82	3.39	4.07	1996	13	9.33	2000	1.00	1978
Aug	3.21	2.69	3.63	1991	19	9.50	1991	.49	1996
Sep	3.72	3.44	6.33	1954	11	11.87	1999	.66	1978
Oct	4.32	3.86	7.35	1996	21	12.20	1996	.60	1994
Nov	4.49	4.11	4.19	1983	4	13.30	1983	.70	1976
Dec	3.95	3.60	3.10	1994	24	10.63	1973	.82	1980
Ann	46.52	46.68	7.35	Oct 1996	21	13.30	Nov 1983	.00	Feb 1987

Mean Number of Days (3)

Daily Precipitation

Month	>= 0.01	>= 0.10	>= 0.50	>= 1.00
Jan	9.8	7.0	2.5	.8
Feb	7.7	5.0	2.1	.9
Mar	9.9	6.9	3.0	1.2
Apr	10.1	7.2	2.8	1.1
May	11.0	7.5	2.6	.9
Jun	10.5	7.0	2.3	.8
Jul	9.7	6.7	2.9	.9
Aug	9.0	5.8	2.1	.8
Sep	8.6	6.0	2.4	1.1
Oct	8.7	6.3	2.6	1.1
Nov	10.4	7.0	3.0	1.4
Dec	9.8	6.9	2.5	1.0
Ann	115.2	79.3	30.8	12.0

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	.78	1.13	1.67	2.17	2.67	3.21	3.81	4.54	5.49	7.02	8.47
Feb	.66	1.09	1.59	1.99	2.37	2.75	3.18	3.67	4.31	5.30	6.22
Mar	1.54	1.94	2.53	3.02	3.50	3.98	4.51	5.12	5.90	7.11	8.23
Apr	1.19	1.61	2.26	2.82	3.37	3.95	4.60	5.36	6.36	7.92	9.38
May	.97	1.34	1.91	2.41	2.91	3.44	4.03	4.73	5.64	7.09	8.44
Jun	.93	1.27	1.79	2.26	2.71	3.19	3.72	4.35	5.17	6.47	7.69
Jul	1.32	1.68	2.21	2.65	3.08	3.51	3.99	4.54	5.26	6.36	7.37
Aug	1.00	1.31	1.76	2.15	2.52	2.91	3.34	3.84	4.49	5.49	6.42
Sep	1.07	1.42	1.96	2.42	2.87	3.34	3.86	4.47	5.27	6.51	7.67
Oct	1.11	1.52	2.15	2.70	3.25	3.82	4.46	5.22	6.21	7.78	9.24
Nov	1.50	1.93	2.55	3.08	3.59	4.11	4.68	5.35	6.21	7.55	8.78
Dec	.94	1.31	1.89	2.40	2.92	3.46	4.07	4.79	5.74	7.24	8.65
Ann	34.44	36.82	39.84	42.13	44.14	46.09	48.09	50.29	52.95	56.79	60.10

\+ 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: 1953-2001
(3) Derived from 1971-2000 serially complete daily data

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Snow (inches)

Snow Totals

Means/Medians (1)

Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median
Jan	22.5	18.0	12	10
Feb	9.3	7.0	14	12
Mar	13.4	13.5	7	5
Apr	1.5	.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	#	.0	0	0
Nov	2.1	.0	#	0
Dec	13.3	11.0	3	3
Ann	62.1	49.5	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	18.0	1977	7	49.0	1979	45	1987	31	33	1977
Feb	15.0	1978	7	30.5	1972	45	1987	1	31+	1987
Mar	11.0	1977	18	29.0	1971	42	1971	11	30	1971
Apr	6.0	1971	7	6.0+	1974	19	1971	1	5	1971
May	.0	0	0	.0	0	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	#	1988	28	#+	1988	0	0	0	0	0
Nov	9.0	1972	14	15.0	1972	10	1972	15	2	1972
Dec	10.0	1976	29	25.0	1972	23	1972	31	12	1972
Ann	18.0	Jan 1977	7	49.0	Jan 1979	45+	Feb 1987	1	33	Jan 1977

Mean Number of Days (1)

Snow Fall >= Thresholds

Month	0.1	1.0	3.0	5.0	10.0
Jan	5.0	4.7	2.5	1.4	.3
Feb	2.1	2.0	1.1	.6	.2
Mar	2.6	2.5	1.3	1.0	.2
Apr	.4	.4	.3	.1	.0
May	.0	.0	.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	.0	.0	.0	.0	.0
Nov	.7	.5	.3	.1	.0
Dec	4.3	4.2	1.6	.7	.1
Ann	15.1	14.3	7.1	3.9	.8

Snow Depth >= Thresholds

Month	1	3	5	10
Jan	-9.9	-9.9	-9.9	-9.9
Feb	-9.9	-9.9	-9.9	-9.9
Mar	-9.9	-9.9	-9.9	-9.9
Apr	.4	.3	.2	.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	.0	.0	.0	.0
Nov	1.1	1.0	.3	.1
Dec	-9.9	-9.9	-9.9	-9.9
Ann	-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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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	6/14	6/09	6/05	6/02	5/30	5/27	5/24	5/20	5/15
32	5/28	5/25	5/22	5/19	5/17	5/15	5/13	5/10	5/06
28	5/15	5/11	5/09	5/07	5/05	5/03	5/01	4/28	4/25
24	5/01	4/28	4/25	4/23	4/22	4/20	4/18	4/16	4/12
20	4/24	4/18	4/14	4/11	4/08	4/05	4/02	3/29	3/23
16	4/14	4/08	4/05	4/01	3/29	3/26	3/23	3/19	3/14

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	8/31	9/04	9/07	9/10	9/12	9/15	9/17	9/20	9/24
32	9/08	9/13	9/16	9/19	9/21	9/23	9/26	9/29	10/04
28	9/20	9/24	9/27	9/29	10/02	10/04	10/06	10/09	10/13
24	10/05	10/09	10/12	10/15	10/17	10/20	10/23	10/26	10/30
20	10/16	10/22	10/25	10/29	11/01	11/04	11/07	11/11	11/16
16	10/25	11/01	11/06	11/10	11/14	11/18	11/23	11/28	12/05

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	125	118	113	108	104	100	96	91	84
32	143	137	133	129	126	123	119	115	109
28	166	160	156	153	149	146	142	138	132
24	195	189	185	181	178	175	171	167	161
20	230	222	216	211	206	201	196	190	182
16	258	248	241	235	230	224	218	211	201

***** 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)

Heating Degree Days (1)

Base Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1448	1225	1044	681	353	109	21	49	231	582	866	1251	7860
60	1293	1085	889	531	211	37	1	9	114	428	716	1096	6410
57	1200	1001	796	441	139	15	0	2	64	340	626	1003	5627
55	1138	945	734	381	99	7	0	0	41	284	566	941	5136
50	983	805	579	238	32	0	0	0	10	163	417	786	4013
32	453	322	116	4	0	0	0	0	0	2	42	295	1234

Cooling Degree Days (1)

Base Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	28	21	96	313	672	924	1122	1065	767	443	166	66	5683
55	0	0	0	1	58	241	409	352	118	12	0	0	1191
57	0	0	0	0	36	189	347	292	81	6	0	0	951
60	0	0	0	0	15	121	255	206	41	2	0	0	640
65	0	0	0	0	2	43	120	90	7	0	0	0	262
70	0	0	0	0	0	8	35	24	0	0	0	0	67

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	2	23	129	432	688	878	820	531	221	58	3	0	2	25	154	586	1274	2152	2972	3503	3724	3782	3785
45	0	0	7	56	284	538	723	665	384	114	19	0	0	0	7	63	347	885	1608	2273	2657	2771	2790	2790
50	0	0	4	23	157	388	568	510	245	54	4	0	0	0	4	27	184	572	1140	1650	1895	1949	1953	1953
55	0	0	0	6	75	248	413	357	135	16	0	0	0	0	0	6	81	329	742	1099	1234	1250	1250	1250
60	0	0	0	1	29	131	261	214	57	1	0	0	0	0	0	1	30	161	422	636	693	694	694	694
Base	**Growing Degree Units for Corn (Monthly)**												**Growing Degree Units for Corn (Accumulated Monthly)**											
50/86	0	1	23	100	270	425	570	529	331	156	38	2	0	1	24	124	394	819	1389	1918	2249	2405	2443	2445

(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