

Climatography of the United States

No. 20

1971-2000

Station: FALLS VILLAGE, CT

COOP ID: 062658

Climate Division: CT 1

NWS Call Sign:

Elevation: 550 Feet

Lat: 41° 57N

Lon: 73° 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	35.0	13.3	24.2	69	1950	26	33.3	1990	-30	1961	22	15.3	1994	1267	0	.0	.0	2.5	12.6	29.8	5.1
Feb	38.3	15.5	26.9	72	1954	16	34.7	1984	-22	1971	1	16.7	1979	1067	0	.0	.0	3.4	8.9	26.4	3.8
Mar	47.7	24.1	35.9	88	1998	31	41.1	2000	-11	1950	4	30.5	1984	902	0	.0	.0	11.8	2.1	25.5	.3
Apr	59.8	33.6	46.7	93	1990	29	51.0	1991	6	1954	4	40.9	1975	549	0	.0	.1	24.9	@	14.8	.0
May	71.9	44.1	58.0	94	2000	9	63.3	1991	20	1970	7	53.7	1997	233	16	.0	.6	30.8	.0	2.8	.0
Jun	79.0	52.8	65.9	98	1952	26	69.1	1976	31	2001	1	62.2	1980	50	77	.0	1.7	30.0	.0	.1	.0
Jul	83.6	57.6	70.6	100	1991	20	74.1	1999	37	1979	7	67.0	2000	6	180	@	4.9	31.0	.0	.0	.0
Aug	81.5	56.4	69.0	100+	1948	26	72.6	1988	32	1976	31	66.2	1976	17	140	.0	2.3	31.0	.0	@	.0
Sep	73.5	48.8	61.2	101	1953	2	64.4	1980	24+	1950	25	57.4	1976	139	24	.0	.4	30.0	.0	1.1	.0
Oct	62.4	36.9	49.7	86	1949	10	55.5	1971	14+	1948	22	44.9	1974	477	1	.0	.0	28.9	.0	11.4	.0
Nov	50.1	29.0	39.6	81	1982	2	43.9	1999	5+	1989	24	35.2	1976	763	0	.0	.0	14.6	.6	20.2	.0
Dec	39.1	19.3	29.2	72	1998	7	35.6	1984	-16+	1963	31	16.6	1989	1109	0	.0	.0	4.4	7.1	28.6	1.7
Ann	60.2	36.0	48.1	101	Sep 1953	2	74.1	Jul 1999	-30	Jan 1961	22	15.3	Jan 1994	6579	438	@	10.0	243.3	31.3	160.7	10.9

+ 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: 1948-2001

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

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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: FALLS VILLAGE, CT

COOP ID: 062658

Climate Division: CT 1

NWS Call Sign:

Elevation: 550 Feet

Lat: 41°57N

Lon: 73°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	3.54	3.45	2.80	1949	1	9.85	1979	.70	1985	11.5	6.9	2.4	.8	.90	1.24	1.75	2.20	2.65	3.12	3.65	4.27	5.08	6.37	7.57	
Feb	2.66	2.61	1.97	1973	3	8.16	1981	.17	1987	9.7	6.2	1.6	.5	.81	1.06	1.44	1.76	2.08	2.41	2.77	3.19	3.74	4.59	5.38	
Mar	3.62	3.49	2.60	1980	22	7.40	1977	.40	1981	11.2	7.4	2.4	.6	1.31	1.65	2.14	2.55	2.94	3.34	3.78	4.29	4.93	5.93	6.85	
Apr	3.77	3.71	3.09	1987	5	8.05	1983	.77	1978	11.9	7.4	2.6	.9	1.33	1.69	2.20	2.63	3.05	3.47	3.94	4.48	5.17	6.23	7.21	
May	4.26	3.89	3.89	1999	20	11.69	1984	1.15	1980	13.3	8.4	2.8	.7	1.45	1.86	2.45	2.94	3.42	3.91	4.45	5.07	5.88	7.12	8.26	
Jun	4.17	3.64	4.15	1986	6	10.35	2000	.50	1988	11.8	7.3	2.7	1.1	.81	1.18	1.79	2.36	2.93	3.54	4.24	5.07	6.19	7.97	9.67	
Jul	4.41	3.60	6.02	2000	15	10.91	2000	1.39	1983	11.0	7.1	3.1	1.2	1.17	1.59	2.22	2.78	3.34	3.91	4.56	5.32	6.31	7.87	9.33	
Aug	4.37	4.23	9.50	1955	19	9.72	1990	.71	1981	10.6	7.3	3.1	1.0	1.27	1.69	2.31	2.86	3.38	3.93	4.54	5.25	6.18	7.63	8.98	
Sep	3.98	3.26	4.76	1999	16	9.75	1999	.97	1986	10.5	6.4	2.6	1.2	1.01	1.39	1.96	2.48	2.98	3.51	4.10	4.81	5.72	7.17	8.53	
Oct	3.81	3.31	3.90	1995	28	11.74	1995	1.62	1994	10.1	6.7	2.5	1.0	1.36	1.72	2.24	2.67	3.09	3.52	3.98	4.52	5.22	6.28	7.26	
Nov	3.74	3.34	2.35	1995	12	7.73	1988	.85	1976	12.0	7.4	2.4	.9	1.50	1.85	2.34	2.74	3.12	3.50	3.92	4.40	5.01	5.95	6.80	
Dec	3.49	3.26	3.70	1948	31	9.57	1973	.83	1989	11.7	6.6	2.4	.7	.89	1.22	1.73	2.18	2.62	3.08	3.60	4.21	5.01	6.27	7.46	
Ann	45.82	44.57	9.50	Aug 1955	19	11.74	Oct 1995	.17	Feb 1987	135.3	85.1	30.6	10.6	35.51	37.57	40.17	42.12	43.84	45.48	47.17	49.02	51.24	54.44	57.17	

+ 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: 1948-2001

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

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Station: FALLS VILLAGE, CT

COOP ID: 062658

Climate Division: CT 1

NWS Call Sign:

Elevation: 550 Feet

Lat: 41°57N

Lon: 73°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	12.6	12.0	5	2	10.0	1996	9	22.3	1984	34	1971	4	27	1996	4.1	3.7	1.4	.8	.1	-9.9	-9.9	-9.9	-9.9
Feb	9.0	7.8	4	2	17.0	1983	12	22.5	1972	26	1971	5	22	1971	3.0	2.5	.9	.4	.1	-9.9	-9.9	-9.9	-9.9
Mar	4.3	4.5	1	#	18.0	1993	14	18.0	1993	22	1993	14	8	1994	2.2	2.0	.7	.3	.1	3.0	1.5	.7	.4
Apr	2.4	.0	#	0	15.0	1971	7	17.7	1971	18	1982	7	1	1982	.4	.4	.2	.2	.1	.7	.3	.2	.0
May	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.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	3.0	1979	10	3.0	1979	0	0	0	0	0	.1	@	@	.0	.0	.0	.0	.0	.0
Nov	1.3	.0	#	0	10.0	1971	25	16.0	1971	14	1971	26	2	1971	.3	.3	.2	.1	@	.6	.4	.3	.2
Dec	8.5	7.9	1	#	10.0	1981	16	20.2	1981	30	1971	6	6	1971	2.5	2.3	1.0	.3	.1	-9.9	-9.9	-9.9	-9.9
Ann	38.2	32.2	N/A	N/A	18.0	Mar 1993	14	22.5	Feb 1972	34	Jan 1971	4	27	Jan 1996	12.6	11.2	4.4	2.1	.5	-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

Complete documentation available from:

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Climate Division: CT 1

NWS Call Sign:

Elevation: 550 Feet

Lat: 41° 57N

Lon: 73° 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	6/17	6/11	6/06	6/03	5/30	5/27	5/23	5/18	5/12
32	6/01	5/27	5/23	5/19	5/16	5/13	5/10	5/06	5/01
28	5/14	5/10	5/07	5/05	5/02	4/30	4/27	4/24	4/20
24	4/29	4/25	4/22	4/19	4/16	4/14	4/11	4/08	4/03
20	4/17	4/13	4/09	4/07	4/04	4/02	3/30	3/27	3/23
16	4/03	3/30	3/27	3/24	3/22	3/20	3/17	3/15	3/11
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	9/03	9/08	9/11	9/14	9/16	9/19	9/21	9/24	9/29
32	9/13	9/18	9/22	9/24	9/27	9/30	10/03	10/06	10/11
28	9/22	9/28	10/01	10/05	10/08	10/11	10/14	10/18	10/23
24	10/07	10/12	10/16	10/18	10/21	10/24	10/27	10/30	11/04
20	10/19	10/24	10/29	11/01	11/05	11/08	11/12	11/16	11/22
16	11/01	11/08	11/13	11/17	11/21	11/24	11/29	12/03	12/10
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	132	124	118	113	108	104	99	93	85
32	154	146	141	137	133	129	125	120	113
28	178	171	166	162	158	154	149	144	137
24	206	199	195	191	187	184	180	175	169
20	238	230	224	218	214	209	204	198	190
16	268	259	253	248	243	238	232	226	218

* 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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Climate Division: CT 1 NWS Call Sign: Elevation: 550 Feet Lat: 41°57N Lon: 73°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	1267	1067	902	549	233	50	6	17	139	477	763	1109	6579
60	1112	927	747	402	121	10	0	1	54	331	613	954	5272
57	1019	843	654	318	73	3	0	0	26	251	523	861	4571
55	957	787	592	265	49	1	0	0	14	203	463	799	4130
50	802	647	439	150	14	0	0	0	2	106	317	644	3121
32	298	215	58	1	0	0	0	0	0	0	15	184	771

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	54	72	179	442	806	1017	1197	1146	875	547	242	98	6675
55	0	0	0	15	142	328	484	433	199	37	0	0	1638
57	0	0	0	8	104	270	422	371	150	23	0	0	1348
60	0	0	0	3	59	187	329	279	88	10	0	0	955
65	0	0	0	0	16	77	180	140	24	1	0	0	438
70	0	0	0	0	2	17	66	47	2	0	0	0	134

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	3	10	61	227	571	789	962	910	644	317	104	18	3	13	74	301	872	1661	2623	3533	4177	4494	4598	4616
45	0	2	23	130	418	639	807	755	494	191	50	3	0	2	25	155	573	1212	2019	2774	3268	3459	3509	3512
50	0	0	9	61	274	489	652	600	346	97	17	0	0	0	9	70	344	833	1485	2085	2431	2528	2545	2545
55	0	0	4	25	158	346	497	446	215	42	4	0	0	0	4	29	187	533	1030	1476	1691	1733	1737	1737
60	0	0	0	8	75	209	345	292	116	8	0	0	0	0	0	8	83	292	637	929	1045	1053	1053	1053
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	2	10	54	168	368	519	641	602	408	208	68	11	2	12	66	234	602	1121	1762	2364	2772	2980	3048	3059

(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