

Climatology of the United States

No. 20 1971-2000

Station: YERINGTON, NV

COOP ID: 269229

Climate Division: NV 1

NWS Call Sign:

Elevation: 4,380 Feet Lat: 39°00N

Lon: 119°10W

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	46.1	20.9	33.5	72	1969	7	40.3	1986	-26	1937	21	26.6	1982	976	0	.0	.0	12.4	2.8	28.4	1.0
Feb	53.1	25.3	39.2	76	1982	21	45.4	1995	-23	1989	7	29.8	1989	723	0	.0	.0	19.0	.8	24.2	.1
Mar	59.9	30.5	45.2	83	1972	4	50.2	1978	-2	1950	12	40.3	1991	615	0	.0	.0	26.8	.0	20.5	.0
Apr	66.7	35.5	51.1	92	1981	30	56.9	1990	5	1944	17	43.0	1975	423	6	.0	@	28.5	.0	12.2	.0
May	75.0	43.0	59.0	97	1986	26	65.1	1992	15	1960	22	51.9+	1998	224	37	.0	1.4	31.0	.0	2.7	.0
Jun	84.6	50.1	67.4	102+	1932	24	72.1	2000	26	1954	6	63.3	1998	51	121	.2	9.0	30.0	.0	.1	.0
Jul	92.0	55.4	73.7	105+	1960	18	77.9	1994	30	1955	6	69.3	1983	3	274	1.5	22.1	31.0	.0	.0	.0
Aug	90.5	53.8	72.2	105+	1933	14	75.3	1971	26	1960	23	64.9	1976	10	231	1.1	19.6	31.0	.0	.0	.0
Sep	82.3	46.3	64.3	100+	1929	17	67.1	1995	19	1934	26	57.9	1986	85	64	.0	5.5	30.0	.0	1.1	.0
Oct	70.4	36.4	53.4	93	2001	1	58.7	1988	5+	1935	23	48.5	1981	365	5	.0	.0	30.0	.0	10.2	.0
Nov	55.8	26.5	41.2	80+	1931	6	48.4	1995	-5	1931	30	33.2	1994	716	0	.0	.0	21.1	.3	24.1	.0
Dec	46.9	19.6	33.3	74	1939	9	41.3	1977	-20	1948	24	25.0	1990	985	0	.0	.0	12.0	2.1	28.6	.9
Ann	68.6	36.9	52.8	105+	1960	18	77.9	1994	-26	1937	21	25.0	1990	5176	738	2.8	57.6	302.8	6.0	152.1	2.0

+ 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

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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	.49	.43	1.40	1943	21	1.37	1997	.00	1994	4.0	1.9	.1	.0	.02	.06	.14	.21	.29	.37	.48	.61	.78	1.08	1.37	
Feb	.56	.42	1.28	1962	9	2.36	1986	.04	1988	4.2	1.6	.1	.0	.04	.07	.14	.22	.31	.41	.52	.68	.89	1.24	1.59	
Mar	.59	.47	.98	1941	5	1.83	1991	.00+	1999	4.1	1.8	.2	.0	.00	.02	.10	.18	.28	.39	.53	.72	.97	1.42	1.86	
Apr	.37	.22	1.30	1990	6	1.80	1990	.00+	1997	2.6	1.2	.2	@	.00	.00	.00	.07	.15	.24	.34	.47	.65	.96	1.26	
May	.76	.45	1.90	1939	10	3.04	1995	.00	1974	3.8	2.0	.4	.1	.00	.01	.06	.14	.24	.39	.58	.85	1.26	2.00	2.78	
Jun	.51	.19	1.02	1997	9	2.01	1997	.00+	2000	2.8	1.4	.3	@	.00	.00	.02	.08	.16	.27	.40	.59	.86	1.34	1.83	
Jul	.27	.13	1.75	1984	19	1.82	1984	.00+	2000	1.9	.9	@	@	.00	.00	.00	.01	.07	.13	.22	.33	.48	.76	1.03	
Aug	.34	.12	1.46	1983	7	2.37	1983	.00+	1998	1.9	.8	.1	@	.00	.00	.00	.01	.05	.13	.23	.37	.59	.99	1.39	
Sep	.27	.12	2.02	1955	18	1.53	1985	.00+	1993	2.2	.8	.1	@	.00	.00	.00	.01	.06	.13	.21	.31	.47	.74	1.01	
Oct	.41	.14	1.83	1993	5	3.02	1993	.00+	1999	2.8	1.2	.2	@	.00	.00	.01	.04	.10	.19	.31	.47	.71	1.14	1.59	
Nov	.37	.26	1.04	1974	1	1.27	1983	.00+	1999	3.3	1.3	.1	@	.00	.00	.04	.11	.18	.25	.35	.46	.63	.90	1.17	
Dec	.37	.37	2.00	1955	23	1.00	1995	.00+	1999	3.5	1.3	.1	.0	.00	.00	.06	.12	.18	.26	.35	.46	.61	.87	1.13	
Ann	5.31	4.88	2.02	Sep 1955	18	3.04	May 1995	.00+	Jul 2000	37.1	16.2	1.9	.1	2.62	3.07	3.69	4.18	4.64	5.09	5.58	6.13	6.82	7.86	8.79	

+ 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

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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	1.9	.5	#	0	6.5	1982	5	8.0	1971	5	1974	1	1	1974	.7	.4	.2	.1	.0	.7	.1	.0	.0
Feb	2.3	.0	#	0	8.0	1987	24	14.0	1976	11	1976	6	2	1989	.5	.3	.2	.1	.0	.2	.1	.0	.0
Mar	1.1	.0	#	0	8.0	1975	13	13.0	1975	8	1975	13	3	1982	.4	.3	.1	.1	.0	.1	.1	.1	.0
Apr	.0	.0	#	0	.5	1978	7	.5	1978	3	1999	6	#+	1999	@	.0	.0	.0	.0	.0	.0	.0	.0
May	.1	.0	#	0	2.0	1975	20	2.0	1975	2	1975	20	#	1975	@	@	.0	.0	.0	@	.0	.0	.0
Jun	#	.0	0	0	#	1975	25	#	1975	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	.3	.0	0	0	4.0	1971	27	6.0	1971	0	0	0	0	0	.1	.1	@	.0	.0	.0	.0	.0	.0
Nov	.8	.0	#	0	6.0	2000	9	8.0	2000	8	1994	17	1	1994	.3	.2	.1	@	.0	.1	.0	.0	.0
Dec	.6	.0	#	0	3.0	1972	4	5.0	1974	3	1987	19	1	1987	.2	.2	.1	.0	.0	.1	.1	.0	.0
Ann	7.1	.5	N/A	N/A	8.0+	Feb 1987	24	14.0	Feb 1976	11	Feb 1976	6	3	Mar 1982	2.2	1.5	.7	.3	.0	1.2	.4	.1	.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	6/19	6/11	6/06	6/02	5/28	5/24	5/20	5/15	5/07
32	5/31	5/25	5/21	5/17	5/13	5/10	5/06	5/01	4/25
28	5/21	5/13	5/08	5/03	4/28	4/24	4/19	4/14	4/06
24	5/01	4/23	4/18	4/13	4/08	4/04	3/30	3/24	3/17
20	4/15	4/05	3/29	3/23	3/18	3/12	3/07	2/28	2/18
16	3/31	3/19	3/11	3/04	2/25	2/19	2/12	2/03	1/23
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	9/10	9/15	9/19	9/22	9/25	9/28	10/01	10/04	10/10
32	9/19	9/24	9/29	10/02	10/05	10/09	10/12	10/17	10/22
28	9/30	10/06	10/10	10/14	10/17	10/21	10/24	10/29	11/04
24	10/14	10/19	10/23	10/26	10/29	11/01	11/04	11/07	11/12
20	10/25	10/30	11/02	11/05	11/08	11/11	11/14	11/17	11/22
16	11/01	11/08	11/13	11/17	11/21	11/25	11/30	12/04	12/11
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	147	138	130	124	119	113	107	99	90
32	175	165	157	151	144	138	132	124	113
28	204	193	184	178	171	165	158	150	138
24	230	220	214	208	203	197	192	185	176
20	267	256	248	241	234	228	221	213	202
16	313	298	287	277	268	260	250	239	224

* 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)

Base	Heating Degree Days (1)												
	Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
65	976	723	615	423	224	51	3	10	85	365	716	985	5176
60	821	583	462	289	127	14	0	0	27	230	566	830	3949
57	728	499	373	218	82	5	0	0	10	162	476	737	3290
55	666	443	317	177	59	2	0	0	5	124	418	675	2886
50	513	310	191	95	21	0	0	0	0	54	281	523	1988
32	100	20	3	0	0	0	0	0	0	0	16	108	247

Cooling Degree Days (1)

Base	Cooling Degree Days (1)												
	Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
32	147	221	412	573	836	1060	1293	1245	969	663	290	146	7855
55	0	0	13	60	182	372	580	532	284	73	2	0	2098
57	0	0	7	41	144	315	518	470	230	50	1	0	1776
60	0	0	2	22	95	234	425	377	156	25	0	0	1336
65	0	0	0	6	37	121	274	231	64	5	0	0	738
70	0	0	0	0	11	45	140	113	17	0	0	0	326

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	26	70	187	329	583	815	1033	987	718	413	107	28	26	96	283	612	1195	2010	3043	4030	4748	5161	5268	5296
45	4	23	87	200	428	665	878	832	568	274	41	6	4	27	114	314	742	1407	2285	3117	3685	3959	4000	4006
50	0	0	31	105	290	515	723	677	425	150	12	0	0	0	31	136	426	941	1664	2341	2766	2916	2928	2928
55	0	0	2	40	166	370	568	522	278	64	1	0	0	0	2	42	208	578	1146	1668	1946	2010	2011	2011
60	0	0	0	8	77	230	413	371	153	17	0	0	0	0	0	8	85	315	728	1099	1252	1269	1269	1269
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	37	81	168	260	397	518	631	615	482	321	119	39	37	118	286	546	943	1461	2092	2707	3189	3510	3629	3668

(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/normal/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 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/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