

Weather Observations at the Agricultural Science Center at Tucumcari 1905–2002



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Weather Observations at the Agricultural Science Center at Tukumcari, 1905-2002

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SUMMARY

Based on annual averages, weather in the Tukumcari, N.M. area is pleasant and mild. The area is characterized as having a semiarid, continental climate with seasonal temperature changes, low humidity and generally clear skies. Annual precipitation averages 15.91 inches. Mean monthly temperatures range from 78.9°F in July to 38.1°F in January. However, averages don't tell the whole story. Precipitation in the area is sporadic and variable. Most precipitation is received in the form of brief, sometimes heavy thunderstorms, which occasionally are accompanied by hail and damaging winds. Annual precipitation has ranged from a low of 6.13 inches in 1934 to a high of 34.96 inches in 1941. Although average daily maximum temperatures in the summer are in the low 90s, temperatures of 100°F or above were recorded on 40 different days in 1980. In an average year, freezing temperatures occur on 30% of all days, and there is one day with subzero temperatures. The lowest recorded temperature at Tukumcari was -22°F on Jan. 13, 1963. The highest temperature, 109°F, was recorded on June 25, 1990. The growing season, defined as the number of days between the last occurrence of 32°F in the spring and the first occurrence of 32°F in the fall, averages 189 days. But the growing season has been as short as 136 days and as long as 222 days.

Annual averages present a generalized overview of weather conditions, but they fail to recognize the variability and uncertainty of weather conditions in the Tukumcari area. To better understand the area's weather dynamics, this report contains a summary of weather observations at Tukumcari from 1905 through 2002.

HISTORY

The first documented weather observations in the Tukumcari area were from a weather station near the Tukumcari Post Office (Williams, 1967). That weather station was on the east side of what is now Second Street, about one-half block south of Main Street. The station was operational from Dec. 16, 1904 until Feb. 28, 1913. Daily observational data from that station are not available, but records of monthly precipitation and average air temperatures have been maintained.

New Mexico State University's Agricultural Science Center at Tukumcari, previously known as the Northeastern Branch Station and the Tukumcari Field Station, is located 3 miles northeast of Tukumcari in Quay County, New Mexico. The center began recording daily precipitation in January 1912. Air temperatures were first recorded on May 26 of that year. Throughout most of 1912 and a couple of months in 1913, precipitation and temperature observations were made at the Tukumcari townsite and at the center. The center's precipitation records for 1912 appear to be complete, but there were a number of missing temperature observations in that year. Therefore, the effective beginning date for the center's daily temperature observations is Jan. 1, 1913. The weather station at the center has remained in continuous operation since its establishment in 1912.

EQUIPMENT

The weather station at the science center is located in an area of native vegetation about 500 feet south of the

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center headquarters. It is surrounded by a chain-link fence. The weather yard is at an elevation of 4,086 feet, latitude 35°12'N and longitude 103°41'W. It is part of the National Weather Service (NWS) Cooperative Observer Program. Center personnel collect daily weather observations and NWS personnel maintain the station. For most of the station's history, daily observations have been collected at 8 a.m. The exception is the period from Jan. 1, 1953 through March 31, 1981, when the observation time was 5 p.m. Weather observation data are submitted monthly to the National Climatic Data Center, where files from cooperative weather stations throughout the country are maintained. Data files from the center's weather station (Index Number 29-9156-03) are Internet accessible at www.ncdc.noaa.gov/oa/ncdc.html.

The center's weather yard has been at its current location since April 1, 1984. From Jan. 1, 1912 through March 31, 1984, the weather yard was located 349 feet north and 188 feet east of its current location. The weather station was moved away from trees that had grown in close proximity to the initial location. This also accommodated the installation of a Campbell Scientific automated weather station in the same fenced enclosure as the NWS station. Data from that Campbell weather station are not included in this report, but are accessible at weather.nmsu.edu/stations/tucumcar.htm.

Precipitation is measured with a standard 8-inch, nonrecording precipitation gauge, with a one-tenth cross-section area measuring tube. Air temperatures are recorded with standard liquid-in-glass type maximum (mercury-filled bulb) and minimum (alcohol-filled bulb) NWS thermometers. The thermometers are housed in a regulation (medium-sized type, louvered) instrument shelter and are positioned 5 feet above ground level.

A totalizing three-cup anemometer set 2 feet above ground level measures wind movement. From 1918 through 1969, and from 1983 through 2002, daily wind movement was recorded for all months. From 1970 through 1982, daily wind movement was recorded only from April through September.

From 1913 through 1952, evaporation was measured in a sunken circular metal tank. An aboveground Class A cylindrical (10 in. deep and 47 1/2 in. inside diameter) metal pan was installed in 1953. Evaporation readings are taken with a micrometer hook-gauge. Historically, evaporation readings have been taken from April through September. October evaporation readings have been collected since 1993, but they are not included in this report because of the limited number of observations. Maximum and minimum temperatures of the evaporation pan water have been recorded with a Six's thermometer since April 1981, but they are not included in this report.

Maximum and minimum soil temperatures have been recorded since 1977. Soil temperatures are recorded

with a Palmer Soil Thermometer located 4 inches below the bare soil surface.

For this report, records of daily observations at the center were entered in Microsoft Excel spreadsheets, and monthly averages and totals were calculated and combined with summary data from the Tucumcari town-site weather station. Considerable effort has been expended to ensure the data's accuracy. In some instances, the data reported herein will differ slightly from earlier publications of the center's weather observations (Burnham, 1954; Williams, 1967; Williams, 1977; and Kirksey, 1987). The data in this report should be the most accurate. To detect changes in weather patterns over time, selected time series data were analyzed using the REG procedure of SAS (SAS Inst., 1996). Differences are considered significant at $P < 0.05$.

PRECIPITATION

Annual precipitation at Tucumcari from 1905 through 2002 averaged 15.91 inches (table 1 and table A1). Although there has been considerable interest and concern about drought and low precipitation amounts in recent years, there has been only a very slight, nonsignificant ($P = 0.92$) decrease (-0.002 in/yr) in annual precipitation since 1905 (fig. 1). Year-to-year variability ($SD = 5.02$ in.) is much greater than the cumulative effect of any downward trend. Another perception that precipitation has become more variable in recent years is not supported by observations at Tucumcari. For the first 49 years of observation (1905-1953), annual precipitation averaged 15.92 ± 5.74 inches, while average precipitation during the most recent 49-year period averaged 15.91 ± 4.25 inches. For the 10 most recent years, precipitation has been greater and less variable (16.49 ± 3.66 in.) than the previous 88 years (15.85 ± 5.17 in.) (fig. 1). The greatest amount of precipitation in one year was 34.96 inches in 1941; the least was 6.13 inches in 1934 (table 1). Precipitation has been below average in 57 of the 98 years of observation (fig. 1). In four of these years, annual precipitation was less than 10 inches. Annual precipitation in excess of 20 inches has been recorded in 13 years.

Seventy-four percent of the annual precipitation at Tucumcari falls between April 1 and September 30 (table 1). Most of it is in the form of brief, but sometimes heavy, thunderstorms that are occasionally accompanied by hail. Hail seems to strike localized areas and can cause considerable damage, depending on location, severity of the storm and the time of year. On rare occasions, thunderstorms in the Tucumcari area are accompanied by tornadoes. The possibility of these devastating phenomena warrants close observation of weather conditions during periods of inclement weather.

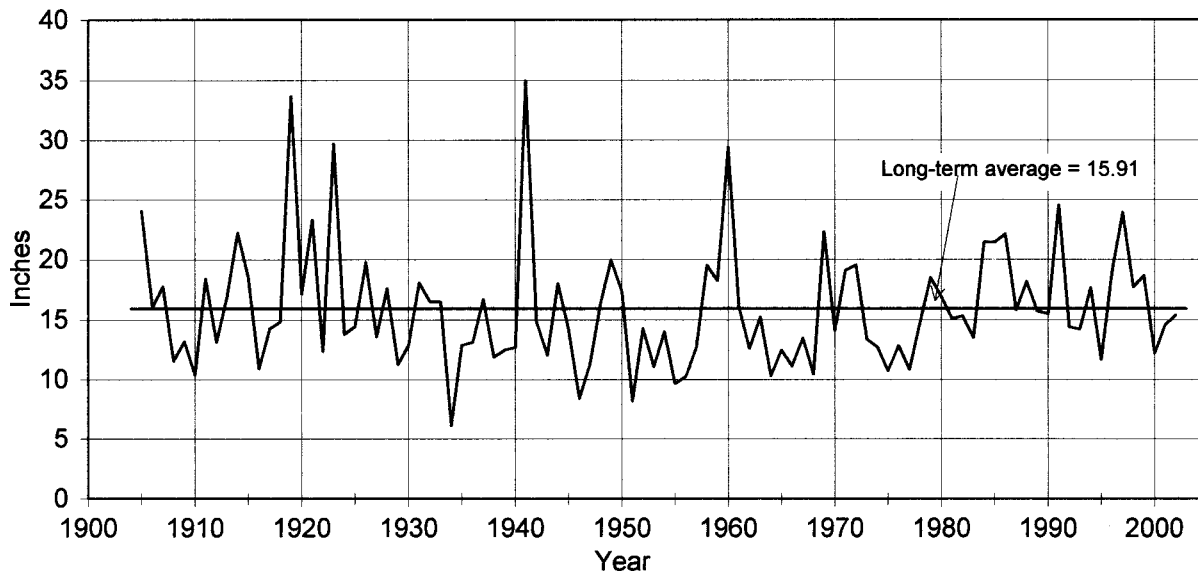


Figure 1. Annual and long-term average precipitation, Tucumcari, N.M., 1905-2002.

August and July, the wettest months, receive an average of 2.69 and 2.63 inches of precipitation, respectively, and account for one-third of the annual rainfall at Tucumcari (table 1). January, the driest month, receives an average of only 0.37 inches of precipitation.

The greatest monthly precipitation, 11.28 inches, was recorded in July 1950. Six percent of all months since 1905 have received no measurable precipitation. The greatest amount of precipitation recorded in a 24-hour period was 4.41 inches on June 20, 1971 (table 2). Precipitation amounts in excess of 4 inches have not been recorded on any other date. Precipitation has been recorded at the center on 21% of all days since 1912 (average = 75 d/yr). However, much of this precipitation is of little or no benefit. More than half of the precipitation observations at Tucumcari have been daily amounts of 0.10 inch or less. A frequency distribution of daily precipitation amounts, by month, is shown in table 3.

The center's snowfall records are incomplete. Observations prior to 1922, and for the years 1951 through 1958, are missing. Snow often falls during the winter, but seldom remains on the ground for more than a few days. The most snow recorded in one winter was 61.5 inches in the winter of 1982-1983. The least amount is 1.5 inches, which was recorded during the winter of 1945-1946. Snow has been recorded as early as Oct. 8 and as late as May 18.

TEMPERATURE

The Tucumcari area has a semiarid, continental climate, with distinct seasonal temperature changes and a wide range in daily temperatures (fig. 2). The annual mean temperature at Tucumcari for the years 1905 through 2002 was 58.2°F (table 4). Mean monthly temperatures range from a high of 78.9°F in July to a low of 38.1°F in January.

Daily temperatures usually are at a minimum around sunrise and reach a maximum in late afternoon. Summer temperatures are warm. Average daily maximum temperatures exceed 90°F from June 14 through Aug. 23 (fig. 2). Average minimum temperatures during this time are in the low to mid 60s°F. Average daily maximum temperatures during December and January are in the mid to low 50s, except for a few days around the first of January when average maximum daily temperatures dip into the upper 40s (fig. 2). Average daily minimum temperatures are below freezing from Nov. 19 through March 9. Frequency distributions of daily maximum and minimum temperatures are shown in tables 5 and 6.

Monthly extreme temperatures and their dates of occurrence are shown in table 7. The highest temperature ever recorded at Tucumcari, 109°F, occurred on June 25, 1990. The lowest temperature, -22°F, was recorded on Jan. 13, 1963. Average monthly maximum, minimum and mean temperatures, by year, are shown in tables A2-A4.

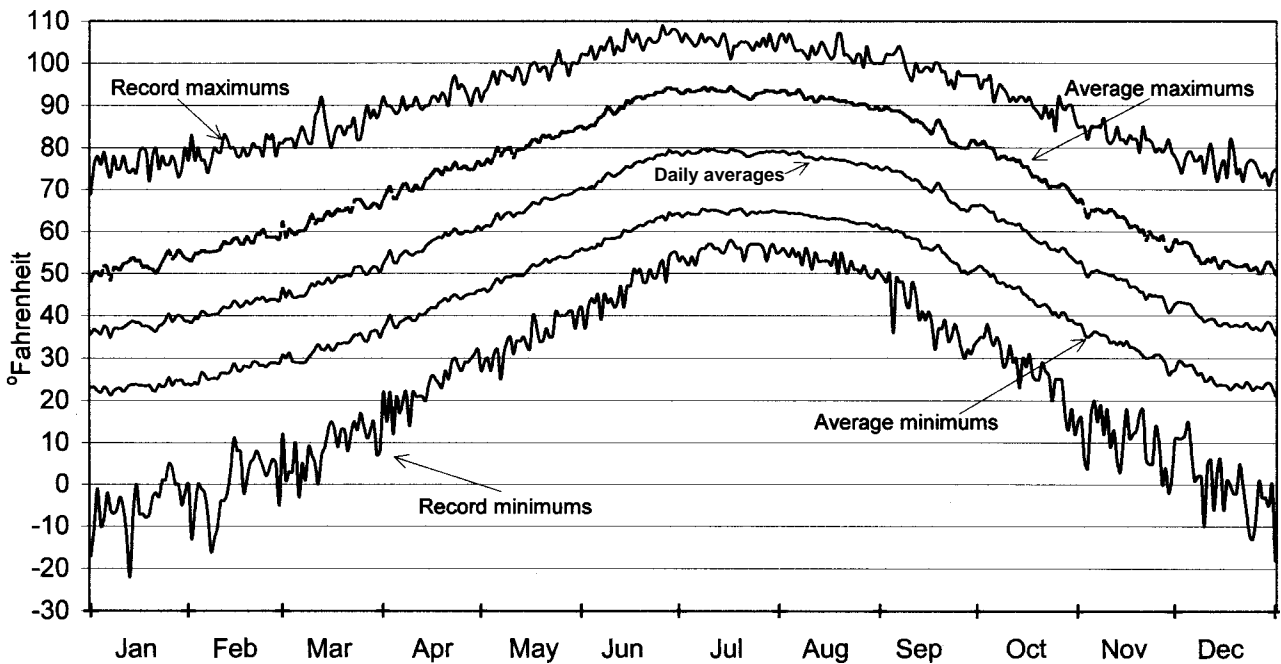


Figure 2. Daily temperature data, Agricultural Science Center at Tucumcari, N.M., 1913-2002.

Statistical analysis of temperature data for the period 1913 through 2002 reveals there has been a significant linear increase in maximum, mean and minimum temperatures (+0.031, +0.020 and +0.009°F/yr, respectively). Maximum, minimum and mean annual temperatures and associated trend lines are shown in fig. 3.

SPRING AND FALL FREEZE DATES AND GROWING SEASON

Annual information on the date of the last spring and first fall temperatures of 26°F, 28°F, 30°F and 32°F is presented in table A5. The average length of the growing season, the number of days between the last occurrence of 32°F in the spring and the first occurrence of 32°F in the fall, is 189 days. The shortest growing season, with only 136 days, occurred in 1945. The longest, 222 days, was in 1989. The average date of the last 32°F reading in the spring is April 17. The last freezing temperature in spring has occurred as early as March 24 and as late as May 15. The average date of the first 32°F reading in the fall is Oct. 23. The first freezing temperature in fall has been recorded as early as Sept. 17 and as late as Nov. 19 (table A5). For the period 1913 through 2002, there has been no significant change in the dates of the last spring freeze ($P = 0.06$), first fall freeze ($P = 0.98$) or length of the growing season ($P = 0.14$). Figs. 4 and 5 present the historical frequency of last spring and first fall freeze events.

HEAT UNITS

Heat units, or growing degree days (GDD), are used to predict the growth and development of many crops, including cotton, corn and alfalfa. Different crops use different temperature bases for heat unit calculations. Cotton uses a base temperature of 60°F; corn uses a base temperature of 50°F; and temperatures of 32°F and 41°F are used as bases for alfalfa. Heat units in this report are calculated on a 60°F base.

Daily heat unit accumulations are calculated to be the difference between the average daily temperature and the base temperature, in this case 60°F. No heat units accumulate if the difference between the average temperature and the 60°F temperature base is zero or negative. Average daily and seasonal (May-October) heat unit accumulations are presented in table A6. Average seasonal accumulation at Tucumcari is 2,220 heat units. The highest accumulation of 2,837 heat units occurred in 2000; the lowest accumulation, 1,747 heat units, was in 1941.

NMSU Extension Guide A-227 (Ball, 1998) indicates approximately 1,900 to 2,600 GDD are required for a cotton crop to reach harvest maturity. Based on a May 15 planting date, the average heat unit accumulation for a cotton crop in the Tucumcari area is 2,148 heat units (seasonal average of 2,220 heat units less the 72 units accumulated prior to May 15). With a May 15 planting date, heat unit accumulations at Tucumcari have been below the 1,900 GDD threshold in 9% of all

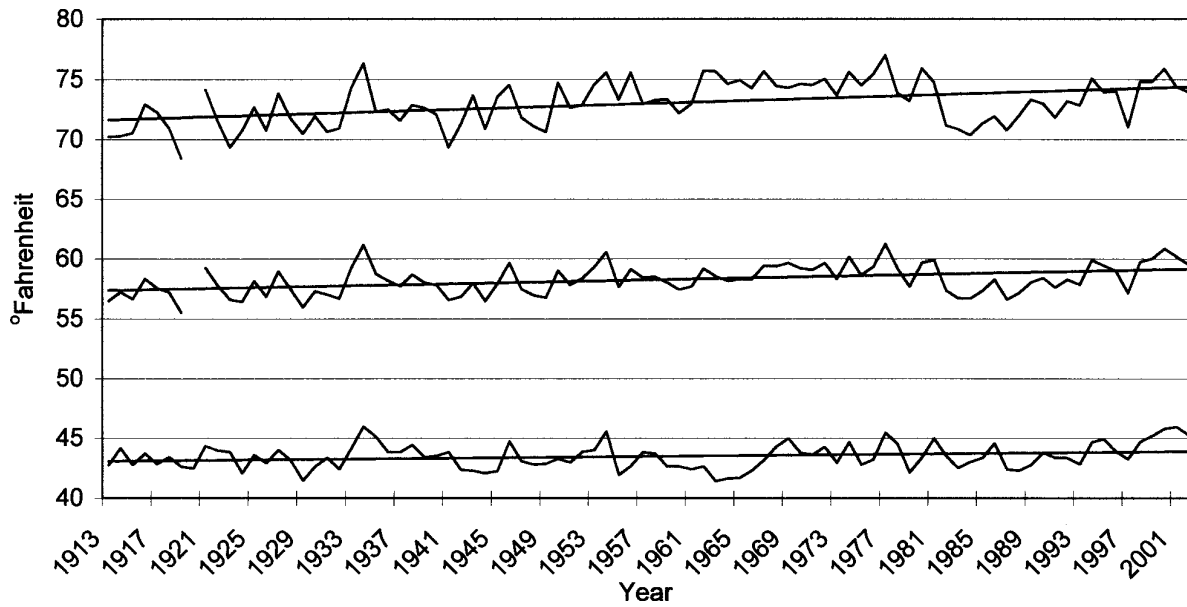


Figure 3. Maximum, minimum and mean annual temperatures and their trend lines, Agricultural Science Center at Tucumcari, N.M., 1913-2002.

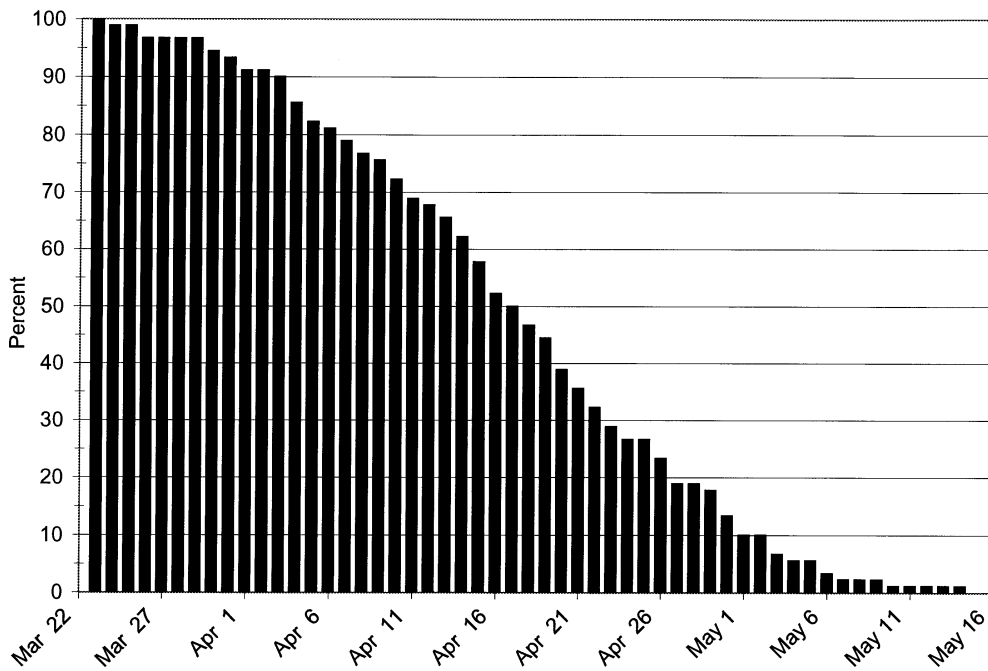


Figure 4. Percentage of years with last spring freeze (32°F or below) occurring after specific dates, Agricultural Science Center at Tucumcari, N.M., 1913-2002.

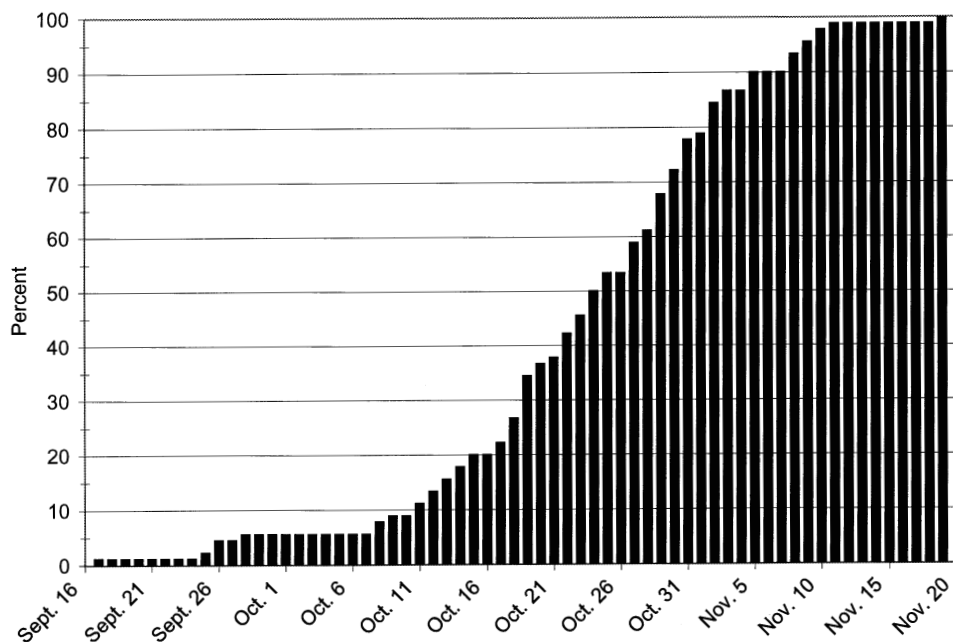


Figure 5. Percentage of years with first fall freeze (32°F or below) occurring before specific dates, Agricultural Science Center at Tucumcari, N.M., 1913-2002.

years, and below the 2,000 GDD level in 24% of the years for which data are available.

WIND

Average wind velocities are shown in table A7. Spring is the windiest time of the year. In those years for which year-round wind measurement data exist, April, March and May had the highest average wind speeds (5.8, 5.6 and 5.2 mph, respectively). August is the calmest month with an average wind speed of 3.3 mph for the 85-year observation period (table A7).

There was a significant linear decline in average annual wind speed (-0.047 mph/yr) over the period 1918 to 1983. Although the cause of the decline cannot be determined, the growth of windbreaks and ornamental trees in the vicinity of the weather yard undoubtedly contributed to the reduction. In 1984, movement of the weather yard away from the center headquarters resulted in a significant increase (1.12 mph) in average annual wind speeds. Following the move, there has been an increase (0.03 mph/yr) in average annual wind speeds. The wind speeds reported herein are recorded at a height of 2 feet, in a somewhat protected area of natural vegetation. These data are probably not representative of field conditions in the Tucumcari area, but they can be useful in evaluating seasonal and annual trends in wind movement.

EVAPORATION

Evaporation from the free water surface of a raised evaporation pan averages 0.38 inches/day for April through September. Average cumulative evaporation during this period is 69.71 inches (table A8). This is roughly six times the amount of precipitation received during the same period.

There has been no significant ($P=0.17$) linear change in evaporation during the 90 years of observation. However, changing from a sunken evaporation pan to an aboveground pan increased average evaporation rates by an average of 17.14 inches per year.

SOIL TEMPERATURE

Monthly average maximum and minimum soil temperatures, 4 inches below the soil surface, are shown in tables A9-A10. Soil temperatures are lowest in January and highest in July.

There has been a significant linear decrease (-0.11°F/yr) in annual mean maximum soil temperatures and no significant change ($P = 0.24$) in annual minimum soil temperatures for the 26-year observation period. Minimum soil temperatures are used frequently as a guideline for determining optimal planting dates. Daily and 10-day average minimum soil temperatures for March, April and May are shown (table 8).

TEMPERATURE CALENDAR

Average daily maximum and minimum temperatures and daily temperature extremes are of interest to many local residents. Appendix B contains a temperature calendar for Tukumcari. The calendar shows average maximum and minimum temperatures by date, and highest and lowest temperature extremes for each date and the year in which the record temperature occurred. All temperatures are in degrees Fahrenheit.

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Table 1. Monthly precipitation averages and extremes, Agricultural Science Center at Tukumcari, N.M., 1905–2002.

Month	Average	Record Highest Amount		Record Lowest Amount	
	(in.)	(in.)	Year	(in.)	Year
January	0.37	1.68	1999	0.00	1967 ¹
February	0.47	2.40	1912	0.00	2000 ¹
March	0.72	3.69	1919	0.00	1966 ¹
April	1.11	4.89	1997	0.00	1996 ¹
May	2.01	8.72	1921	0.00	1927
June	1.90	6.39	1919	0.00	1947
July	2.63	11.28	1950	0.24	1987
August	2.69	8.38	1933	0.12	1951
September	1.50	7.23	1941	0.00	1948
October	1.28	7.51	1923	0.00	1975 ¹
November	0.66	4.00	1905	0.00	1989 ¹
December	0.58	4.27	1959	0.00	1933 ¹
April-September	11.84	25.70	1919	4.65	1934
Annual	15.91	34.96	1941	6.13	1934

Table 2. Daily precipitation summary, Agricultural Science Center at Tukumcari, N.M., 1912-2002.

Month	Greatest One Day		Number of Days per Month Receiving Precipitation				
	Precipitation Amount		Average	Highest		Lowest	
	(in.)	Date	No.	No.	Year	No.	Year
January	1.10	Jan. 7, 1939	4.5	14	1949	0	1967 ¹
February	1.71	Feb. 25, 1912	4.6	14	1987	0	2000 ¹
March	2.06	Mar. 20, 1985	5.3	12	1985	0	1966 ¹
April	1.86	Apr. 30, 1914	5.5	12	1997 ¹	0	1996 ¹
May	3.79	May 10, 1944	8.3	18	1919	0	1927
June	4.41	June 20, 1971	7.6	15	1989 ¹	0	1947
July	3.77	July 6, 1960	9.0	16	1955	3	1987 ¹
August	3.62	Aug. 14, 1980	9.7	17	1989	3	2000 ¹
September	2.80	Sept. 16, 1919	6.8	14	1927	0	1948
October	2.91	Oct. 16, 1960	5.3	17	1923	0	1975 ¹
November	1.90	Nov. 4, 1986	4.1	11	1978	0	1989 ¹
December	1.64	Dec. 15, 1989	4.3	10	1997 ¹	0	1933 ¹
April-September			46.9	76	1919	24	1951
Annual			75.0	111	1941	48	1951

¹Indicates the record also occurred in earlier years.

Table 3. Percentage of days per month that have received selected amounts of precipitation, Agricultural Science Center at Tucumcari, N.M., 1912–2002.

Precipitation Amount (in.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	----- % -----											
4.50 or more												
4.00 or more						*						
3.50 or more					*	*	*	*				
3.00 or more					*	*	*	*				
2.50 or more					*	*	*	*	*	*		
2.00 or more			*		*	*	*	*	*	*		
1.50 or more		*	*	*	1	1	1	1	*	*	*	*
1.00 or more	*	*	*	1	1	1	2	2	1	1	*	*
0.75 or more	*	*	1	1	3	2	3	3	2	1	1	*
0.50 or more	*	1	1	2	4	4	5	6	4	3	1	1
0.40 or more	1	1	2	3	5	6	7	7	4	4	2	1
0.30 or more	1	2	2	4	7	7	9	9	5	4	2	2
0.20 or more	2	3	3	5	9	9	12	11	7	6	3	3
0.10 or more	4	5	5	8	12	13	16	16	10	8	5	5
0.01 or more	9	10	11	14	21	20	24	25	18	13	9	10
Trace or more	14	16	17	18	27	25	29	31	23	17	14	14

*Denotes less than 0.5%.

Table 4. Monthly and annual temperature summary, Agricultural Science Center at Tucumcari, N.M., 1905–2002.

Month	Average Temperature			Record Average Temperature			
	Maximum	Minimum	Mean	Highest Maximum		Lowest Minimum	
	(°F)	(°F)	(°F)	(°F)	Year	(°F)	Year
January	52.5	23.6	38.1	62.3	1969	12.4	1963
February	57.0	27.0	42.0	67.5	1976	17.1	1929
March	64.1	33.1	48.6	75.4	1972	24.0	1906
April	72.8	41.9	57.3	81.4	1972	36.8	1945, 1920
May	80.9	51.1	66.0	90.2	1974	46.2	1983
June	90.2	60.4	75.3	99.0	1990	54.7	1965
July	93.1	64.7	78.9	99.5	1980	61.3	1965
August	91.3	63.2	77.2	97.9	1943	56.8	1965
September	84.8	56.0	70.4	91.8	2000	50.9	1957
October	74.4	44.3	59.4	82.5	1950	39.7	1925
November	61.8	31.9	46.9	71.1	1999	20.0	1911, 1909
December	52.9	24.8	38.8	66.3	1980	16.5	1924
Annual	73.0	43.5	58.2	77.0	1977	41.1	1912

Table 5. Percent of daily maximum temperatures within selected ranges, Agricultural Science Center at Tucumcari, N.M., 1913–2002.

Temp.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
(°F)	-----%											
100–109					*	10	13	6	1			
90–99			*	2	18	49	64	60	31	3		
80–89	*	1	7	29	44	32	20	29	47	35	4	*
70–79	6	15	31	36	26	8	2	4	15	34	26	7
60–69	25	33	31	21	9	1	*	*	5	18	33	27
50–59	33	26	18	8	2	*		*	1	6	22	30
40–49	20	16	9	3	*				*	2	11	20
30–39	10	7	4	1	*					*	4	11
20–29	4	2	1							*	1	4
10–19	1	1	*								*	1
00–09	*	*										*
-10– -01												
-20– -11												
-30– -21												

* Denotes less than 0.5%

Table 6. Percent of daily minimum temperatures within selected ranges, Agricultural Science Center at Tucumcari, N.M., 1913–2002.

Temp.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
(°F)	-----%											
100–109												
90–99												
80–89							*	*				
70–79				*	*	5	11	6	1			
60–69			*	1	9	53	80	78	33	2		
50–59	*	*	2	18	54	38	9	17	51	26	2	*
40–49	4	8	22	45	32	4		*	15	47	20	5
30–39	21	32	43	31	5	*			2	24	43	23
20–29	45	42	26	6	*					2	30	48
10–19	22	14	6	*						*	6	18
00–09	7	3	1								1	5
-10– -01	1	1	*								*	1
-20– -11*	*										*	
-30– -21	*											

*Denotes less than 0.5%.

Table 7. Highest and lowest recorded daily temperatures by month, Agricultural Science Center at Tuumcari, N.M., 1913–2002.

Month	Highest Recorded Temperature		Lowest Recorded Temperature	
	(°F)	Date	(°F)	Date
January	80	Jan. 30, 1971	-22	Jan. 13, 1963
February	83	Feb. 24, 2002	-16	Feb. 7, 1933
March	92	Mar. 12, 1989	-3	Mar. 5, 1948
April	97	Apr. 22, 1989	12	Apr. 3, 1920
May	103	May 24, 2000	25	May 6, 1917
June	109	June 25, 1990	37	June 1, 1919
July	107	July 28, 1995	52	July 5, 1995
August	107	Aug. 19, 1994	49	Aug. 29, 1976
September	104	Sept. 6, 1995	30	Sept. 26, 1970
October	97	Oct. 4, 2000	12	Oct. 30, 1993
November	87	Nov. 8, 1980	-2	Nov. 28, 1976
December	82	Dec. 17, 1980	-18	Dec. 31, 1918

Table 8. Daily and 10-day average minimum soil temperatures, 4-inch depth, Agricultural Science Center at Tuumcari, N.M., 1977–2002.

Date	Average		Date	Average		Date	Average	
	Daily	10-day		Daily	10-day		Daily	10-day
	(°F)	(°F)		(°F)	(°F)		(°F)	(°F)
Mar 1	42.4	--	Apr 1	48.0	48.6	May 1	59.7	58.5
Mar 2	42.9	--	Apr 2	49.2	48.8	May 2	58.6	58.6
Mar 3	42.5	--	Apr 3	48.5	48.8	May 3	58.9	58.8
Mar 4	42.0	--	Apr 4	47.6	48.7	May 4	59.1	58.9
Mar 5	42.3	--	Apr 5	49.1	48.6	May 5	60.3	59.2
Mar 6	43.6	--	Apr 6	49.8	48.6	May 6	61.0	59.4
Mar 7	42.9	--	Apr 7	51.2	48.8	May 7	61.8	59.7
Mar 8	43.6	--	Apr 8	53.0	49.2	May 8	63.0	60.1
Mar 9	44.2	--	Apr 9	53.2	49.8	May 9	63.1	60.5
Mar 10	44.3	43.1	Apr 10	53.4	50.3	May 10	64.0	60.9
Mar 11	45.2	43.3	Apr 11	53.2	50.8	May 11	64.2	61.4
Mar 12	45.3	43.6	Apr 12	53.7	51.3	May 12	65.5	62.1
Mar 13	45.9	43.9	Apr 13	53.8	51.8	May 13	64.8	62.7
Mar 14	46.1	44.3	Apr 14	54.2	52.5	May 14	64.9	63.3
Mar 15	46.4	44.7	Apr 15	54.0	52.9	May 15	66.3	63.9
Mar 16	46.7	45.1	Apr 16	54.8	53.5	May 16	66.5	64.4
Mar 17	46.2	45.4	Apr 17	56.2	54.0	May 17	66.6	64.9
Mar 18	46.4	45.7	Apr 18	56.0	54.3	May 18	65.7	65.2
Mar 19	45.8	45.8	Apr 19	56.5	54.6	May 19	65.2	65.4
Mar 20	46.4	46.0	Apr 20	56.4	54.9	May 20	66.2	65.6
Mar 21	46.5	46.2	Apr 21	55.9	55.2	May 21	66.7	65.8
Mar 22	47.1	46.4	Apr 22	57.0	55.5	May 22	66.1	65.9
Mar 23	47.8	46.5	Apr 23	57.1	55.8	May 23	66.0	66.0
Mar 24	48.2	46.7	Apr 24	57.8	56.2	May 24	66.8	66.2
Mar 25	49.0	47.0	Apr 25	57.8	56.6	May 25	66.5	66.2
Mar 26	49.7	47.3	Apr 26	58.8	57.0	May 26	65.5	66.1
Mar 27	49.8	47.7	Apr 27	59.1	57.3	May 27	65.4	66.0
Mar 28	49.6	48.0	Apr 28	58.8	57.5	May 28	66.0	66.0
Mar 29	48.3	48.2	Apr 29	59.5	57.8	May 29	66.4	66.2
Mar 30	47.8	48.4	Apr 30	59.2	58.1	May 30	66.9	66.2
Mar 31	48.2	48.5				May 31	67.5	66.3

Appendix A

Historical Data

Table A1. Precipitation (inches) by months, Agricultural Science Center at Tucumcari, N.M., 1905-2002.

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Apr- Sept	Annual
1905	0.53	1.15	2.96	2.10	2.25	2.50	4.07	1.01	2.50	Tr.	4.00	1.00	14.43	24.07
1906	0.70	0.70	0.05	1.79	1.00	0.46	4.21	2.92	0.33	0.62	1.66	1.61	10.71	16.05
1907	0.24	0.00	0.00	2.31	2.30	3.36	2.56	3.92	0.08	1.43	0.75	0.80	14.53	17.75
1908	0.20	0.90	0.00	1.60	0.24	0.44	3.45	1.78	1.03	0.93	0.98	Tr.	8.54	11.55
1909	Tr.	Tr.	1.72	0.48	0.97	2.42	2.03	1.04	0.85	1.90	1.59	0.20	7.79	13.20
1910	0.09	0.04	0.09	0.76	0.16	0.26	1.77	5.88	0.49	0.45	0.22	0.15	9.32	10.36
1911	0.13	1.70	0.17	0.68	0.92	1.13	2.90	5.01	2.75	1.89	0.40	0.74	13.39	18.42
1912	0.00	2.40	0.15	1.01	1.50	1.37	1.58	3.72	1.18	0.10	0.00	0.13	10.36	13.14
1913	0.28	0.51	0.16	4.51	1.11	2.80	0.42	1.71	0.94	0.51	1.49	2.51	11.49	16.95
1914	0.30	0.40	0.50	2.52	5.24	2.81	3.90	1.06	0.72	3.48	Tr.	1.31	16.25	22.24
1915	0.70	0.98	1.03	4.27	1.59	0.71	3.13	2.28	2.94	0.67	Tr.	0.27	14.92	18.57
1916	0.70	0.00	0.09	1.55	0.56	0.63	0.98	4.43	0.56	0.78	0.29	0.32	8.71	10.89
1917	0.58	0.11	0.12	0.32	1.82	0.90	0.74	6.11	2.74	0.16	0.62	0.04	12.63	14.26
1918	0.23	0.13	0.21	1.14	0.21	0.80	2.54	1.02	2.85	2.60	0.51	2.60	8.56	14.84
1919	0.04	0.32	3.69	3.61	5.85	6.39	3.16	2.53	4.16	2.31	0.71	0.93	25.70	33.70
1920	0.76	0.15	0.34	0.20	2.55	3.91	1.52	2.12	1.44	3.68	0.49	0.00	11.74	17.16
1921	1.11	0.32	0.83	Tr.	8.72	5.88	3.65	1.86	0.75	0.21	0.00	Tr.	20.86	23.33
1922	0.13	0.13	1.37	2.64	2.04	1.24	1.65	0.67	1.20	0.37	0.93	0.00	9.44	12.37
1923	0.00	0.96	1.04	3.35	1.92	3.55	0.63	5.64	1.78	7.51	1.69	1.64	16.87	29.71
1924	Tr.	0.19	0.60	0.63	1.67	2.07	1.93	3.79	1.31	1.09	0.04	0.47	11.40	13.79
1925	0.30	0.05	Tr.	0.38	1.85	1.33	3.09	3.36	2.32	1.26	0.24	0.25	12.33	14.43
1926	0.14	0.10	2.04	3.13	5.25	1.87	2.24	1.59	1.57	0.58	0.02	1.23	15.65	19.76
1927	0.02	0.24	0.22	0.03	0.00	4.03	1.85	4.99	1.92	0.18	0.02	0.09	12.82	13.59
1928	0.00	0.75	0.09	1.66	3.14	1.10	1.92	2.92	0.12	3.08	2.04	0.77	10.86	17.59
1929	Tr.	0.36	2.05	0.48	2.63	0.38	0.70	1.90	0.67	0.67	1.32	0.10	6.76	11.26
1930	0.11	Tr.	0.38	0.12	0.43	3.49	2.78	1.41	0.61	2.44	0.92	0.19	8.84	12.88
1931	0.62	1.81	1.04	2.57	2.54	0.17	3.32	2.87	1.16	1.31	0.44	0.24	12.63	18.09
1932	0.72	0.50	0.27	1.32	2.20	3.27	2.35	2.28	2.34	0.57	0.03	0.70	13.76	16.55
1933	Tr.	0.26	0.00	0.17	1.35	1.30	3.67	8.38	0.04	0.24	1.09	0.00	14.91	16.50
1934	Tr.	0.15	0.08	0.01	0.53	0.91	1.34	1.83	0.03	0.49	0.73	0.03	4.65	6.13
1935	0.34	0.00	0.56	0.02	3.02	0.64	2.42	3.64	0.66	0.27	1.07	0.24	10.40	12.88
1936	0.63	0.07	0.00	0.01	1.74	2.01	4.40	2.02	1.42	0.20	0.00	0.62	11.60	13.12
1937	0.06	0.08	1.23	0.88	5.72	2.42	0.87	0.86	2.09	1.84	0.06	0.59	12.84	16.70
1938	0.13	1.30	0.37	0.77	2.35	1.49	0.99	0.24	2.06	1.28	0.34	0.55	7.90	11.87
1939	1.25	0.22	0.34	1.04	2.48	0.30	1.58	1.88	1.30	0.81	0.34	0.96	8.58	12.50
1940	0.18	0.51	0.94	0.71	2.44	0.28	0.79	3.54	0.32	0.02	2.74	0.24	8.08	12.71
1941	0.75	0.39	2.32	2.35	7.40	3.41	3.16	1.29	7.23	6.30	0.14	0.22	24.84	34.96
1942	0.02	0.70	0.21	3.87	0.37	2.17	1.18	2.37	1.22	2.16	Tr.	0.60	11.18	14.87
1943	0.06	0.07	Tr.	0.16	1.26	3.89	1.91	1.26	0.71	0.05	0.23	2.45	9.19	12.05
1944	0.50	0.46	0.02	1.14	5.55	1.19	1.94	3.87	1.06	0.24	0.44	1.63	14.75	18.04

Table A1. Precipitation (inches) by months, Agricultural Science Center at Tucumcari, N.M., 1905–2002 (continued).

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Apr– Sep	Annual
1945	0.83	0.15	0.47	0.30	1.78	0.22	1.05	6.25	1.73	1.48	0.00	Tr.	11.33	14.26
1946	0.02	0.08	0.13	0.12	0.76	0.27	0.78	1.92	1.84	1.29	1.21	Tr.	5.69	8.42
1947	0.29	Tr.	0.59	0.83	5.02	0.00	1.28	1.38	0.02	0.15	0.67	1.06	8.53	11.29
1948	0.90	1.84	1.56	0.12	2.69	2.16	2.46	2.84	0.00	1.71	0.04	Tr.	10.27	16.32
1949	0.99	1.84	0.74	1.94	1.66	4.10	4.40	0.78	2.72	0.41	0.05	0.34	15.60	19.97
1950	0.00	Tr.	Tr.	0.46	0.27	1.69	11.28	0.84	2.41	0.15	Tr.	0.26	16.95	17.36
1951	0.82	0.26	0.82	0.24	1.25	1.81	1.46	0.12	0.08	0.77	0.28	0.29	4.96	8.20
1952	0.39	0.30	0.92	1.67	1.23	0.95	2.45	4.49	0.43	0.00	1.05	0.41	11.22	14.29
1953	0.11	0.39	0.26	0.33	1.32	0.16	3.67	2.78	Tr.	0.56	0.53	0.98	8.26	11.09
1954	0.20	0.11	0.02	0.56	3.16	1.10	1.56	2.14	1.98	2.64	0.50	0.03	10.50	14.00
1955	0.28	0.07	0.14	0.81	2.09	0.50	2.12	0.84	2.52	0.08	0.11	0.10	8.88	9.66
1956	0.02	0.65	0.05	0.26	2.36	1.70	3.26	1.61	0.06	0.16	0.11	0.01	9.25	10.25
1957	0.28	0.26	1.15	1.30	1.91	0.52	2.84	1.76	0.37	1.55	0.72	0.04	8.70	12.70
1958	1.10	0.24	2.08	1.89	1.94	2.79	2.73	2.77	2.29	0.63	0.42	0.63	14.41	19.51
1959	0.39	0.11	0.15	0.67	1.34	2.66	0.90	5.00	0.22	2.35	0.17	4.27	10.79	18.23
1960	0.78	0.69	0.77	Tr.	0.99	3.90	10.78	3.58	1.52	4.75	Tr.	1.68	20.77	29.44
1961	0.12	0.19	2.37	1.05	0.47	1.78	1.73	4.00	1.32	1.04	1.58	0.47	10.35	16.12
1962	0.41	0.09	0.40	0.45	0.30	3.12	4.80	0.49	1.03	0.36	0.42	0.73	10.19	12.60
1963	0.16	1.37	0.02	0.26	2.52	1.58	2.40	4.90	1.20	0.70	Tr.	0.15	12.86	15.26
1964	0.03	1.46	0.22	0.55	0.68	0.28	2.80	1.27	1.02	Tr.	1.55	0.45	6.60	10.31
1965	0.13	0.30	0.73	1.20	2.62	1.70	2.20	1.43	1.33	0.35	0.00	0.51	10.48	12.50
1966	0.42	0.54	0.00	0.08	1.12	1.36	3.54	3.82	0.18	Tr.	0.03	0.03	10.10	11.12
1967	0.00	0.32	0.13	0.29	0.71	0.92	5.96	1.94	2.15	0.43	0.05	0.60	11.97	13.50
1968	1.17	0.57	1.07	0.52	1.03	0.14	1.87	1.93	0.69	0.86	0.45	0.14	6.18	10.44
1969	Tr.	0.78	0.44	0.82	3.65	2.32	3.42	4.59	2.92	2.01	0.45	0.95	17.72	22.35
1970	0.01	0.11	1.04	1.95	0.27	1.00	2.71	2.80	2.72	1.50	Tr.	Tr.	11.45	14.11
1971	0.19	0.66	0.33	0.22	1.50	4.86	3.35	3.72	1.05	1.14	1.52	0.55	14.70	19.09
1972	0.11	0.03	0.06	Tr.	0.32	1.23	4.57	5.46	4.56	1.92	1.12	0.16	16.14	19.54
1973	0.67	0.42	2.04	1.39	0.69	0.61	4.59	1.03	0.53	0.70	Tr.	0.73	8.84	13.40
1974	0.58	0.14	0.12	0.47	0.17	0.34	1.14	2.69	2.50	4.00	0.25	0.33	7.31	12.73
1975	0.46	0.78	0.33	0.83	0.91	0.69	3.48	0.68	1.77	0.00	0.65	0.14	8.36	10.72
1976	0.10	Tr.	0.27	1.49	0.73	2.50	4.51	0.24	1.82	0.87	0.32	Tr.	11.29	12.85
1977	0.28	0.33	0.23	3.13	0.96	1.35	1.58	1.91	0.38	0.25	0.39	0.04	9.31	10.83
1978	0.62	0.42	0.25	0.68	3.02	3.27	1.37	1.04	0.84	0.25	2.60	0.43	10.22	14.79
1979	0.67	0.04	0.58	1.03	3.45	2.39	4.18	3.14	0.81	1.38	0.73	0.12	15.00	18.52
1980	0.33	0.82	0.83	2.25	2.33	0.17	0.71	6.30	2.05	0.13	0.93	0.05	13.81	16.90
1981	0.10	0.30	0.69	0.80	0.61	2.08	1.05	6.25	1.70	1.40	0.12	Tr.	12.49	15.10
1982	0.12	0.23	0.22	0.48	1.46	3.31	3.97	0.90	0.94	1.83	0.79	1.08	11.06	15.33
1983	0.70	1.63	0.92	1.15	1.27	2.64	0.58	0.58	0.34	1.80	0.94	0.96	6.56	13.51
1984	0.29	0.11	1.34	1.66	2.58	3.00	1.51	3.95	0.88	3.44	1.07	1.61	13.58	21.44

Table A1. Precipitation (inches) by months, Agricultural Science Center at Tucumcari, N.M., 1905–2002 (continued).

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Apr– Sep	Annual
1985	0.21	0.55	3.40	1.31	2.21	2.12	0.91	2.57	2.54	4.71	0.88	0.02	11.66	21.43
1986	0.02	0.98	0.19	0.44	2.46	5.34	0.67	2.24	3.09	2.45	3.45	0.79	14.24	22.12
1987	1.19	1.45	0.57	0.78	3.63	1.68	0.24	3.16	2.08	0.22	0.39	0.43	11.57	15.82
1988	0.04	Tr.	0.40	2.49	2.53	3.73	1.76	1.87	4.53	0.41	0.20	0.24	16.91	18.20
1989	0.19	0.34	0.29	0.18	0.85	4.46	2.05	4.81	1.91	0.43	0.00	0.20	14.26	15.71
1990	0.76	1.37	0.60	0.29	1.25	0.07	3.43	2.25	3.70	0.30	1.22	0.25	10.99	15.49
1991	0.97	0.00	1.26	0.00	2.48	1.87	6.69	4.44	2.99	0.32	1.76	1.79	18.47	24.57
1992	0.42	0.52	0.54	0.82	2.27	2.68	2.66	2.82	1.01	0.14	0.33	0.21	12.26	14.42
1993	0.68	0.35	0.97	0.68	0.88	3.11	2.19	2.71	0.25	1.94	0.43	0.02	9.82	14.21
1994	0.09	0.05	1.48	1.97	5.17	0.84	2.13	2.22	1.35	1.51	0.47	0.40	13.68	17.68
1995	0.13	0.01	0.78	0.28	2.63	1.11	2.65	1.23	2.10	0.33	0.01	0.40	10.00	11.66
1996	0.21	0.06	Tr.	0.00	0.45	3.88	8.72	2.44	0.84	1.62	0.52	0.15	16.33	18.89
1997	0.35	0.81	0.09	4.89	1.47	3.39	3.25	4.54	1.25	0.64	0.56	2.70	18.79	23.94
1998	0.03	0.61	2.59	1.23	0.08	0.14	2.45	4.77	0.61	4.60	0.42	0.17	9.28	17.70
1999	1.68	0.00	1.25	1.79	5.83	1.73	0.55	2.34	1.98	0.65	0.05	0.82	14.22	18.67
2000	0.01	0.00	1.75	0.74	0.85	1.17	2.25	0.26	0.07	3.83	0.43	0.84	5.34	12.20
2001	0.67	0.95	2.65	0.10	2.82	1.76	0.67	2.83	0.19	0.15	1.57	0.24	8.37	14.60
2002	0.54	0.16	0.32	0.53	0.65	0.67	4.38	0.72	4.00	1.20	1.49	0.73	10.95	15.39
Avg.	0.39	0.50	0.75	1.15	2.01	1.90	2.63	2.69	1.51	1.32	0.72	0.64	11.84	15.91
Max.	1.68	2.40	3.69	4.89	8.72	6.39	11.28	8.38	7.23	7.51	4.00	4.27	25.70	34.96
Min.	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.12	0.00	0.00	0.00	0.00	4.65	6.13

Table A2. Monthly average maximum temperatures (°F), Agricultural Science Center at Tucumcari, N.M., 1905–2002.

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1905	49.0	43.0	63.0	62.0	78.0	81.0	87.0	92.0	85.0	71.0	58.0	44.0	67.8
1906	54.0	56.0	56.0	70.0	77.0	89.0	85.0	88.0	83.0	71.0	55.0	59.0	70.3
1907	59.0	66.0	74.0	73.0	74.0	81.0	94.0	92.0	87.0	—	—	57.0	—
1908	61.0	58.0	71.0	72.0	81.0	94.0	91.0	90.0	86.0	74.0	61.0	56.0	74.6
1909	62.0	60.0	63.0	74.0	80.0	92.0	94.0	93.0	86.0	75.0	68.0	46.0	74.4
1910	58.0	57.0	74.0	78.0	82.0	94.0	97.0	90.0	88.0	77.0	67.0	55.0	76.4
1911	61.0	52.0	67.0	73.0	83.0	93.0	91.0	94.0	88.0	71.0	59.0	45.0	73.1
1912	55.0	51.0	59.0	69.0	81.0	87.0	94.0	89.0	80.0	71.0	65.0	54.0	71.3
1913	51.1	49.9	61.5	72.1	83.5	85.1	94.7	93.7	80.0	68.5	60.6	42.0	70.2
1914	57.4	55.3	62.1	68.6	73.2	86.8	86.4	89.4	86.5	72.4	63.6	41.8	70.3
1915	46.5	54.9	52.7	71.2	78.2	89.2	89.3	86.0	83.0	74.8	66.1	54.7	70.5
1916	51.4	62.8	71.0	68.9	82.9	93.6	94.4	87.9	83.6	71.0	57.2	50.4	72.9
1917	49.4	56.1	63.5	72.3	73.1	91.8	95.8	86.6	81.8	74.0	65.8	56.9	72.3
1918	45.9	61.2	67.9	66.4	82.9	92.9	93.4	91.9	80.1	72.5	53.7	42.5	70.9
1919	40.4	53.7	60.5	66.8	75.4	81.8	86.4	90.3	83.6	69.0	57.9	55.1	68.4
1920	40.2	56.2	65.7	66.2	76.9	80.5	87.2	—	—	—	—	—	—
1921	58.6	58.6	67.1	71.5	79.9	84.3	90.3	90.9	89.4	80.4	67.6	50.8	74.1
1922	42.0	47.0	59.0	69.9	79.0	89.6	95.3	96.6	87.5	76.7	58.4	57.7	71.6
1923	60.2	49.0	56.6	68.3	80.9	87.9	93.9	89.6	82.9	63.0	56.9	42.7	69.3
1924	49.3	55.6	53.9	70.1	76.7	93.8	89.0	92.2	83.7	75.5	65.6	43.2	70.7
1925	49.9	63.1	71.1	77.1	80.8	93.3	94.0	87.8	81.3	64.9	60.1	48.5	72.7
1926	48.7	62.7	55.7	65.2	75.7	86.6	89.7	92.8	84.5	75.5	63.6	48.5	70.8
1927	55.0	58.1	64.0	77.8	89.0	87.2	92.3	88.3	81.8	77.4	67.7	47.5	73.8
1928	57.0	51.9	66.2	69.3	78.3	89.7	94.8	88.7	86.2	73.7	55.6	49.9	71.8
1929	52.1	43.9	62.6	74.2	75.6	90.4	92.6	92.4	83.6	73.2	48.9	56.3	70.5
1930	40.7	65.5	59.4	80.4	79.5	90.6	91.4	92.9	87.2	67.8	58.9	49.1	72.0
1931	48.5	55.8	55.9	67.3	75.2	91.4	91.6	86.9	89.9	74.7	58.8	52.0	70.7
1932	45.9	62.6	58.2	74.6	80.3	87.7	93.9	92.1	80.9	70.1	63.1	42.1	70.9
1933	54.8	50.3	66.3	69.6	82.9	92.2	94.6	89.1	88.4	77.7	63.8	62.1	74.3
1934	55.9	60.2	65.2	76.0	87.1	95.4	99.0	94.5	85.9	79.1	62.6	54.9	76.3
1935	57.3	57.9	66.1	72.6	72.4	90.5	94.2	90.4	81.9	74.6	59.8	50.2	72.3
1936	47.7	55.7	67.3	74.5	80.9	92.2	92.9	94.4	80.4	69.9	59.9	53.9	72.5
1937	45.3	53.7	56.9	71.1	81.1	87.2	95.3	96.4	85.5	74.8	60.6	51.0	71.6
1938	52.0	54.4	65.3	72.2	80.5	88.3	92.6	96.3	85.4	75.7	58.8	53.1	72.9
1939	52.6	45.4	65.6	71.6	80.3	93.6	94.7	91.2	87.5	74.8	59.0	55.4	72.6
1940	41.4	54.5	65.3	71.3	80.8	90.1	97.8	88.8	88.0	79.1	55.0	53.0	72.1
1941	51.3	55.9	56.8	67.4	76.5	82.8	87.1	88.3	80.6	68.5	64.0	53.1	69.3
1942	52.0	52.0	61.3	68.5	79.3	88.7	92.3	88.8	80.6	69.6	67.2	55.5	71.3
1943	52.7	61.8	64.5	78.7	80.8	91.0	93.2	97.9	85.4	75.0	60.8	42.5	73.7
1944	47.8	55.0	63.2	69.2	79.4	88.2	92.4	92.7	82.8	73.7	60.5	45.8	70.9
1945	51.0	59.1	67.0	67.6	83.9	91.2	93.9	90.5	86.0	73.4	65.8	53.0	73.5
1946	52.0	59.5	68.7	81.1	78.9	94.7	95.8	92.9	84.4	72.4	56.2	58.0	74.5
1947	49.6	53.4	59.2	68.6	79.1	92.0	96.3	92.4	90.6	78.3	53.5	49.4	71.9
1948	44.1	46.7	54.2	78.5	80.4	88.9	94.4	90.8	88.3	73.9	57.7	55.6	71.1
1949	38.2	52.2	63.5	67.1	79.6	86.0	90.9	90.9	83.6	73.1	70.5	52.0	70.6

Table A2. Monthly average maximum temperatures (°F), Agricultural Science Center at Tucumcari, N.M., 1905–2002 (continued).

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1950	58.2	63.0	66.3	74.1	83.2	92.3	86.9	89.1	79.8	82.5	65.4	56.1	74.7
1951	49.0	58.5	60.6	70.7	80.4	88.5	96.7	94.1	87.6	74.8	58.4	52.5	72.6
1952	55.9	57.9	60.5	71.2	81.8	95.7	92.6	94.0	84.2	76.1	53.4	51.5	72.9
1953	61.0	54.9	68.4	72.4	79.4	98.0	94.5	90.5	89.1	74.7	62.9	49.4	74.6
1954	56.3	65.1	62.4	78.8	77.7	93.1	96.5	92.4	88.0	73.5	66.1	56.9	75.6
1955	51.7	54.4	63.6	73.1	79.4	88.5	90.7	92.4	86.3	77.2	63.1	59.6	73.3
1956	57.4	52.9	68.4	73.6	87.0	94.2	93.0	91.4	91.3	78.8	60.6	58.2	75.6
1957	52.7	63.4	61.5	70.1	77.0	91.6	96.0	91.0	84.9	70.6	54.6	62.2	73.0
1958	51.6	58.3	54.2	69.2	83.0	92.6	93.6	93.1	84.5	72.5	66.6	60.2	73.3
1959	51.6	57.8	67.9	73.6	81.8	90.3	91.5	89.8	86.9	72.2	63.5	53.6	73.4
1960	47.5	51.1	65.9	77.7	83.0	91.3	88.1	90.4	84.2	74.6	65.3	47.3	72.2
1961	56.5	60.0	63.8	73.5	84.2	90.6	91.0	89.2	82.8	77.5	56.0	50.6	73.0
1962	50.7	65.9	63.2	77.0	88.6	89.0	90.6	95.3	85.7	79.4	65.6	57.6	75.7
1963	51.5	60.3	68.2	78.9	84.5	89.6	95.4	90.5	86.7	81.5	67.5	53.4	75.7
1964	55.8	47.9	64.1	75.4	85.2	92.8	97.5	94.3	84.0	80.0	62.0	56.9	74.7
1965	60.1	58.6	58.5	77.1	81.4	89.0	94.6	90.2	83.2	78.1	70.1	58.5	74.9
1966	48.2	53.8	70.3	76.6	85.1	89.2	96.8	86.7	85.9	76.4	68.9	53.5	74.3
1967	59.9	60.8	74.1	79.4	83.3	90.5	91.9	88.5	83.9	81.8	64.9	49.1	75.7
1968	56.6	58.0	64.0	71.8	81.7	94.1	91.8	91.0	85.9	80.9	60.5	57.1	74.5
1969	62.3	57.7	58.2	76.4	83.0	88.4	95.4	93.6	84.1	70.7	64.3	57.5	74.3
1970	54.1	63.6	61.5	72.9	85.2	89.8	93.2	92.8	84.9	71.0	65.8	60.8	74.6
1971	57.6	59.4	70.6	74.5	83.0	92.8	92.2	86.4	84.4	74.4	64.9	54.2	74.5
1972	60.0	66.3	75.4	81.4	83.3	92.2	91.1	87.4	83.4	73.0	52.4	54.5	75.0
1973	50.0	56.0	63.2	67.7	79.9	90.5	91.4	93.4	83.5	80.8	70.9	57.2	73.7
1974	56.5	63.3	75.3	76.6	90.2	94.2	94.3	89.3	79.3	73.9	61.9	53.0	75.6
1975	56.0	53.7	65.9	73.2	82.4	91.7	88.8	93.0	83.2	80.1	66.0	60.2	74.5
1976	59.2	67.5	67.2	77.4	80.9	92.9	90.9	93.5	84.4	71.5	60.9	58.8	75.4
1977	51.1	62.1	65.3	74.0	84.4	96.4	96.5	93.9	91.1	79.7	68.4	61.3	77.0
1978	50.8	52.5	68.5	80.4	82.0	91.8	96.5	92.6	84.4	78.4	59.7	48.7	73.9
1979	42.5	58.6	66.3	73.6	80.7	87.4	94.1	89.5	87.6	82.4	57.1	59.1	73.2
1980	54.9	58.4	66.2	72.7	79.0	97.9	99.5	93.5	85.2	75.5	62.0	66.3	75.9
1981	58.8	65.9	64.3	77.7	79.9	93.5	93.5	86.9	82.3	70.2	66.3	58.0	74.8
1982	53.6	53.1	65.0	72.2	80.0	86.1	92.0	90.6	84.4	71.8	58.0	47.6	71.2
1983	51.5	51.6	60.7	65.7	77.5	85.3	94.6	93.7	88.7	73.2	64.3	43.9	70.9
1984	48.7	58.9	62.0	68.5	80.3	86.5	91.4	87.6	83.2	65.8	60.5	51.3	70.4
1985	47.2	50.9	62.7	74.2	80.3	87.2	94.1	93.6	82.5	69.8	61.6	51.9	71.3
1986	60.1	54.8	68.5	75.8	79.7	84.6	93.1	91.1	82.5	68.2	56.4	48.5	71.9
1987	48.3	53.5	59.8	70.7	77.4	87.2	94.6	88.8	81.7	75.9	62.1	49.5	70.8
1988	47.4	59.2	63.7	69.6	79.7	88.0	90.2	89.8	81.5	75.5	66.6	52.8	72.0
1989	56.7	50.5	71.8	77.4	84.5	84.6	91.9	88.9	81.1	77.0	67.1	48.3	73.3
1990	54.4	56.5	60.8	71.5	79.5	99.0	91.1	89.9	84.5	73.5	65.0	50.5	73.0
1991	47.8	62.8	65.2	74.7	84.1	90.5	88.3	87.4	78.6	76.1	54.8	51.8	71.8
1992	50.9	60.9	68.3	75.3	78.0	86.9	93.7	90.5	86.6	78.9	56.7	51.5	73.2
1993	50.4	54.5	65.7	73.6	81.5	90.3	94.3	91.2	85.9	73.0	57.9	56.1	72.9
1994	56.0	57.3	65.0	72.8	79.0	96.2	96.4	94.3	87.2	74.4	63.2	59.0	75.1

Table A2. Monthly average maximum temperatures (°F), Agricultural Science Center at Tucumcari, N.M., 1905–2002 (continued).

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1995	53.0	63.5	63.6	69.9	79.0	87.8	94.4	94.2	83.1	77.4	66.8	54.3	73.9
1996	54.9	60.4	63.0	74.9	90.1	91.9	90.3	88.5	81.5	73.2	63.5	56.3	74.0
1997	47.7	52.6	69.5	63.7	78.5	87.9	95.1	89.7	87.0	74.6	58.6	47.5	71.0
1998	56.5	55.0	60.8	69.5	86.4	94.1	97.8	91.6	91.3	74.5	64.4	55.6	74.8
1999	58.2	64.9	63.9	71.2	77.9	88.3	94.4	93.2	83.8	77.2	71.1	53.7	74.8
2000	60.0	66.3	66.5	75.9	88.5	90.5	97.0	97.7	91.8	71.8	54.3	50.0	75.9
2001	45.9	58.8	59.1	77.9	80.9	92.0	98.9	93.3	88.4	77.1	64.7	55.7	74.4
2002	55.0	56.4	63.4	77.7	85.7	96.4	93.5	95.2	83.8	69.0	59.4	51.8	74.0
Avg.	52.5	57.0	64.1	72.8	80.9	90.2	93.1	91.3	84.8	74.4	61.8	52.9	73.0
Max.	62.3	67.5	75.4	81.4	90.2	99.0	99.5	97.9	91.8	82.5	71.1	66.3	77.0
Min.	38.2	43.0	52.7	62.0	72.4	80.5	85.0	86.0	78.6	63.0	48.9	41.8	67.8

Table A3. Monthly average minimum temperatures (°F), Agricultural Science Center at Tucumcari, N.M., 1905–2002.

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1905	23.0	19.0	41.0	37.0	53.0	65.0	64.0	65.0	60.0	43.0	22.0	22.0	42.8
1906	25.0	25.0	24.0	43.0	52.0	60.0	63.0	62.0	57.0	41.0	32.0	32.0	43.0
1907	30.0	32.0	41.0	40.0	48.0	57.0	64.0	66.0	58.0	—	—	28.0	—
1908	27.0	32.0	40.0	44.0	49.0	61.0	63.0	65.0	56.0	43.0	29.0	29.0	44.8
1909	30.0	31.0	33.0	41.0	48.0	61.0	67.0	66.0	56.0	45.0	20.0	20.0	43.2
1910	28.0	23.0	40.0	44.0	50.0	63.0	67.0	63.0	59.0	44.0	27.0	27.0	44.6
1911	32.0	29.0	38.0	45.0	53.0	63.0	64.0	64.0	62.0	44.0	20.0	20.0	44.5
1912	22.0	23.0	31.0	41.0	51.0	57.0	65.0	64.0	53.0	42.0	22.0	22.0	41.1
1913	22.2	21.1	29.5	41.3	53.2	59.8	65.3	65.0	51.9	42.2	38.2	23.2	42.7
1914	30.5	23.7	31.8	41.9	53.3	63.7	64.2	61.6	58.1	44.8	33.9	22.5	44.2
1915	22.4	28.6	28.2	45.0	48.6	59.1	63.8	59.1	56.6	44.1	31.4	26.3	42.8
1916	24.5	29.4	37.3	40.6	51.6	61.3	65.9	63.6	55.1	43.6	29.9	21.9	43.7
1917	23.5	27.4	30.1	39.0	46.7	59.1	67.3	63.0	57.8	40.7	36.3	23.3	42.8
1918	16.5	28.9	39.8	38.8	53.3	64.2	66.5	64.3	53.4	47.7	29.9	17.9	43.4
1919	16.6	23.9	34.5	43.7	51.5	57.5	64.4	63.1	58.9	43.9	29.6	23.8	42.6
1920	24.6	29.2	32.5	36.8	51.6	58.8	63.9	60.7	55.8	43.1	29.9	22.7	42.5
1921	26.8	26.9	36.4	39.0	51.9	59.1	64.2	63.2	58.2	45.5	34.3	26.7	44.4
1922	19.1	24.3	31.6	42.1	52.0	62.2	66.2	67.3	59.9	44.4	32.6	26.2	44.0
1923	29.1	24.6	30.6	43.4	52.0	61.9	65.9	64.2	55.5	43.9	32.3	22.8	43.9
1924	21.4	26.9	27.5	41.9	47.7	61.9	64.4	64.0	52.8	45.5	34.2	16.5	42.1
1925	20.4	28.2	35.8	43.8	53.5	63.5	65.5	62.0	57.1	39.7	30.6	23.0	43.6
1926	20.8	29.4	30.9	40.8	51.2	59.1	61.8	61.8	57.8	45.6	31.8	23.9	42.9
1927	26.6	30.3	32.8	44.3	54.1	59.5	65.1	60.9	55.7	43.8	36.0	19.3	44.0
1928	23.0	25.9	34.7	39.8	51.6	58.9	65.5	62.3	53.7	46.6	31.8	24.4	43.2
1929	21.2	17.1	33.3	41.6	49.2	59.7	64.1	63.4	54.8	43.2	26.1	23.8	41.5
1930	13.5	30.6	29.5	46.6	48.5	61.1	64.9	64.1	56.0	44.9	32.4	19.6	42.6
1931	23.1	30.2	28.6	41.9	46.9	61.4	64.3	60.8	60.2	45.5	31.9	25.5	43.4
1932	21.2	32.9	27.8	41.3	51.5	57.9	65.7	63.6	54.9	42.6	31.4	18.3	42.4
1933	27.2	20.2	34.0	38.2	50.2	63.8	66.3	62.2	60.0	45.6	33.9	28.5	44.2
1934	24.6	28.7	33.1	45.9	55.3	63.5	68.3	67.4	54.1	47.7	36.0	27.4	46.0
1935	28.8	29.8	39.0	44.1	49.4	61.0	66.3	65.2	54.5	45.5	31.8	26.3	45.1
1936	22.9	22.5	35.7	42.4	54.6	62.4	64.9	65.4	56.5	42.7	28.7	27.5	43.9
1937	17.6	26.1	31.5	42.1	54.7	60.3	65.4	66.6	58.2	46.4	30.9	26.3	43.9
1938	23.7	28.1	37.4	43.0	50.9	60.2	64.7	66.2	56.8	47.6	28.8	26.3	44.5
1939	27.7	19.5	34.8	43.0	52.1	60.4	65.1	61.7	58.6	43.9	29.3	24.9	43.4
1940	19.1	27.3	33.8	40.7	52.0	59.7	66.1	62.0	58.8	46.4	29.6	27.3	43.6
1941	25.0	29.8	31.9	42.7	53.2	58.0	62.3	61.4	55.0	46.1	34.0	26.9	43.9
1942	21.8	22.6	30.2	43.7	49.5	59.8	64.1	62.1	52.7	43.7	32.9	25.4	42.4
1943	22.0	27.0	27.7	44.9	49.7	61.2	65.0	66.7	55.1	41.7	28.0	18.5	42.3
1944	21.8	27.3	28.2	37.9	50.0	60.1	63.8	63.3	55.1	44.4	31.1	22.3	42.1
1945	23.2	26.9	33.4	36.8	50.0	57.1	63.7	64.6	53.5	44.4	32.4	21.3	42.3
1946	21.9	25.2	34.5	47.2	48.4	62.6	65.3	64.8	59.3	46.4	32.1	29.5	44.8
1947	21.9	23.0	29.0	40.3	51.6	59.2	65.6	65.5	59.0	49.4	28.5	24.3	43.1
1948	19.5	23.0	27.2	45.4	52.6	60.4	65.7	63.7	56.7	44.1	28.4	27.1	42.8
1949	17.1	27.0	33.6	42.0	51.4	58.9	64.1	61.4	56.6	43.1	35.7	24.0	42.9

Table A3. Monthly average minimum temperatures (°F), Agricultural Science Center at Tucumcari, N.M., 1905–2002 (continued).

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1950	25.4	29.0	30.0	41.6	50.5	61.5	62.5	59.4	55.0	49.0	31.0	24.6	43.3
1951	22.1	26.9	30.9	39.2	50.9	58.2	67.4	65.3	55.4	44.7	29.5	25.4	43.0
1952	28.1	28.6	31.3	41.9	51.3	65.3	65.3	65.9	56.8	41.6	27.0	23.5	43.9
1953	29.5	24.6	36.8	38.1	47.6	65.5	66.2	64.2	55.3	45.8	33.3	21.5	44.0
1954	24.4	30.6	30.5	45.9	50.6	62.8	68.2	64.8	60.9	46.5	34.6	27.4	45.6
1955	24.1	22.4	31.2	42.2	50.1	56.3	61.5	61.4	54.4	42.5	30.3	27.2	42.0
1956	25.0	22.9	31.6	37.3	54.1	62.5	62.3	60.4	54.5	47.3	29.4	24.8	42.7
1957	24.3	33.8	34.1	38.3	49.7	59.1	65.9	62.3	50.9	46.8	32.0	29.2	43.9
1958	25.6	28.7	29.2	40.0	53.5	61.8	64.0	63.6	57.7	44.3	32.6	23.8	43.7
1959	20.3	26.9	30.5	40.6	52.3	61.1	62.5	64.1	54.5	41.7	29.1	28.4	42.7
1960	22.9	23.6	30.8	42.4	48.9	60.2	61.8	62.6	55.6	44.1	34.7	24.4	42.7
1961	19.7	26.2	34.1	40.7	51.0	59.8	62.2	61.9	53.4	43.4	31.8	24.7	42.4
1962	19.3	31.8	29.8	41.5	51.9	56.5	62.1	61.3	55.8	43.8	32.8	25.5	42.7
1963	12.4	25.8	30.8	42.1	49.8	57.4	63.1	61.7	56.7	46.3	31.7	19.5	41.4
1964	23.9	21.0	29.4	40.5	51.1	59.1	64.1	60.0	54.0	40.6	30.2	25.9	41.7
1965	27.1	22.1	24.5	42.6	48.3	54.7	61.3	56.8	51.4	43.2	38.8	30.0	41.7
1966	19.3	23.3	35.0	41.9	51.1	59.4	67.4	59.5	53.5	40.9	35.4	21.1	42.3
1967	24.8	25.7	36.5	45.5	47.5	57.2	61.4	58.8	56.3	45.1	34.8	24.8	43.2
1968	28.2	27.3	34.3	40.5	51.0	61.3	64.5	63.3	55.5	46.0	34.7	25.3	44.3
1969	30.3	29.4	27.3	45.1	53.1	59.0	67.4	65.9	58.5	43.6	32.5	28.0	45.0
1970	23.1	30.2	29.8	40.7	52.6	58.2	65.8	63.8	55.0	40.6	35.6	30.2	43.8
1971	24.9	26.6	31.9	42.0	48.7	61.6	64.2	60.1	54.6	44.2	35.8	29.1	43.6
1972	24.4	28.4	37.5	44.4	51.5	60.6	63.2	62.4	57.7	46.7	30.4	24.3	44.3
1973	22.7	28.1	35.5	36.9	48.6	58.3	63.3	62.3	53.8	45.0	35.7	25.5	43.0
1974	24.3	27.9	38.1	42.7	55.2	60.1	65.5	62.5	52.2	48.0	35.0	25.2	44.7
1975	25.0	25.7	33.3	39.9	49.0	58.3	62.5	62.9	53.5	44.7	32.0	27.0	42.8
1976	23.1	33.9	34.0	44.8	49.1	59.9	63.8	63.0	56.2	40.1	27.5	23.7	43.2
1977	18.1	28.5	33.3	44.7	54.8	63.6	67.3	65.8	59.0	46.4	33.8	30.6	45.5
1978	21.4	25.0	35.5	45.1	52.1	62.0	67.0	62.5	56.9	45.9	38.4	22.9	44.6
1979	18.2	27.6	34.2	41.6	50.5	58.2	64.3	60.7	54.3	44.4	27.2	24.7	42.2
1980	23.9	26.8	30.9	37.7	49.5	63.5	67.3	62.3	56.0	41.1	31.9	30.2	43.4
1981	25.6	27.7	35.3	48.4	50.4	62.1	65.3	61.6	55.3	44.5	37.0	26.9	45.0
1982	25.0	24.8	34.5	42.0	50.8	58.8	64.3	63.3	57.5	43.5	32.5	25.6	43.5
1983	24.5	27.0	34.6	36.9	46.2	55.5	64.2	64.4	57.9	46.1	36.3	17.1	42.6
1984	21.5	26.0	30.9	37.7	52.5	61.0	64.5	63.4	54.0	42.5	35.0	27.6	43.0
1985	21.3	24.6	37.2	43.9	52.9	60.8	63.3	63.3	55.6	44.1	32.9	20.7	43.4
1986	27.8	29.3	38.5	43.8	51.2	60.2	64.7	62.5	56.1	43.6	31.9	25.6	44.6
1987	21.1	30.1	30.5	39.4	51.2	58.8	64.0	62.5	53.4	43.9	32.3	22.0	42.4
1988	20.6	25.6	31.3	39.9	50.3	60.7	63.5	63.0	52.8	43.1	34.1	22.9	42.3
1989	26.0	23.2	34.9	42.7	53.8	57.5	63.3	62.7	53.8	44.4	33.0	18.1	42.8
1990	23.5	27.5	34.5	42.2	48.8	65.5	64.3	62.2	59.0	43.5	35.4	19.5	43.8
1991	21.6	30.4	34.7	41.5	51.6	60.3	63.3	62.3	54.7	43.0	29.7	27.6	43.4
1992	24.4	30.4	35.2	45.1	51.1	56.7	62.9	60.5	55.8	44.9	28.9	24.6	43.4
1993	23.3	26.4	33.9	40.4	51.1	59.5	66.4	63.0	53.4	42.8	28.2	25.6	42.8
1994	23.0	25.5	35.9	42.0	53.5	62.1	63.7	65.0	55.6	44.3	35.3	30.2	44.7

Table A3. Monthly average minimum temperatures (°F), Agricultural Science Center at Tucumcari, N.M., 1905–2002 (continued).

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1995	28.3	31.1	35.8	40.4	49.7	59.4	63.1	66.4	56.1	43.3	36.3	29.5	45.0
1996	22.5	29.7	31.0	43.2	56.7	61.7	64.8	62.9	53.2	42.8	32.8	25.6	43.9
1997	23.1	28.3	35.4	37.6	51.0	59.9	64.5	63.0	58.5	44.2	31.2	22.7	43.3
1998	27.7	30.0	31.8	39.5	50.7	59.9	64.6	61.1	57.7	48.6	38.2	26.5	44.7
1999	29.1	32.9	35.7	41.3	50.9	60.0	66.0	65.0	55.1	43.2	36.4	26.7	45.2
2000	27.6	32.6	35.9	44.7	55.9	62.2	66.8	67.6	58.9	46.6	28.5	22.4	45.8
2001	24.0	30.2	34.5	47.4	51.9	61.1	68.6	64.6	57.3	44.8	39.5	27.7	46.0
2002	26.3	26.2	30.8	46.0	53.2	65.9	65.8	66.4	57.8	43.7	33.8	27.8	45.3
Avg.	23.6	27.0	33.1	41.9	51.1	60.4	64.7	63.2	56.0	44.3	31.9	24.8	43.5
Max.	32.0	33.9	41.0	48.4	56.7	65.9	68.6	67.6	62.0	49.4	39.5	32.0	46.0
Min.	12.4	17.1	24.0	36.8	46.2	54.7	61.3	56.8	50.9	39.7	20.0	16.5	41.1

Table A4. Monthly mean temperatures (°F), Agricultural Science Center at Tucumcari, N.M., 1905–2002.

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1905	36.0	31.0	52.0	49.5	65.5	73.0	75.5	78.5	72.5	57.0	40.0	33.0	55.3
1906	39.5	40.5	40.0	56.5	64.5	74.5	74.0	75.0	70.0	56.0	43.5	45.5	56.6
1907	44.5	49.0	57.5	56.5	61.0	69.0	79.0	79.0	72.5	—	—	42.5	—
1908	44.0	45.0	55.5	58.0	65.0	77.5	77.0	77.5	71.0	58.5	45.0	42.5	59.7
1909	46.0	45.5	48.0	57.5	64.0	76.5	80.5	79.5	71.0	60.0	44.0	33.0	58.8
1910	43.0	40.0	57.0	61.0	66.0	78.5	82.0	76.5	73.5	60.5	47.0	41.0	60.5
1911	46.5	40.5	52.5	59.0	68.0	78.0	77.5	79.0	75.0	57.5	39.5	32.5	58.8
1912	38.5	37.0	45.0	55.0	66.0	72.0	79.5	76.5	66.5	56.5	43.5	38.0	56.2
1913	36.6	35.5	45.5	56.7	68.3	72.4	80.0	79.4	66.0	55.3	49.4	32.6	56.5
1914	44.0	39.5	47.0	55.2	63.2	75.3	75.3	75.5	72.3	58.6	48.8	32.2	57.2
1915	34.4	41.8	40.4	58.1	63.4	74.2	76.5	72.5	69.8	59.5	48.7	40.5	56.6
1916	37.9	46.1	54.1	54.8	67.3	77.5	80.1	75.8	69.4	57.3	43.5	36.2	58.3
1917	36.4	41.7	46.8	55.7	59.9	75.5	81.5	74.8	69.8	57.3	51.0	40.1	57.5
1918	31.2	45.1	53.8	52.6	68.1	78.5	79.9	78.1	66.8	60.1	41.8	30.2	57.2
1919	28.5	38.8	47.5	55.3	63.5	69.7	75.4	76.7	71.2	56.5	43.7	39.4	55.5
1920	32.4	42.7	49.1	51.5	64.2	69.7	75.6	—	—	—	—	—	—
1921	42.7	42.8	51.7	55.3	65.9	71.7	77.3	77.1	73.8	63.0	50.9	38.7	59.2
1922	30.5	35.7	45.3	56.0	65.5	75.9	80.7	81.9	73.7	60.5	45.5	41.9	57.8
1923	44.7	36.8	43.6	55.9	66.4	74.9	79.9	76.9	69.2	53.4	44.6	32.8	56.6
1924	35.3	41.3	40.7	56.0	62.2	77.9	76.7	78.1	68.3	60.5	49.9	29.9	56.4
1925	35.1	45.7	53.5	60.4	67.2	78.4	79.8	74.9	69.2	52.3	45.4	35.8	58.1
1926	34.8	46.1	43.3	53.0	63.4	72.9	75.8	77.3	71.2	60.5	47.7	36.2	56.8
1927	40.8	44.2	48.4	61.0	71.5	73.4	78.7	74.6	68.8	60.6	51.9	33.4	58.9
1928	40.0	38.9	50.4	54.6	65.0	74.3	80.1	75.5	70.0	60.2	43.7	37.1	57.5
1929	36.6	30.5	48.0	57.9	62.4	75.0	78.3	77.9	69.2	58.2	37.5	40.0	56.0
1930	27.1	48.0	44.4	63.5	64.0	75.9	78.1	78.5	71.6	56.4	45.7	34.4	57.3
1931	35.8	43.0	42.3	54.6	61.0	76.4	78.0	73.9	75.1	60.1	45.4	38.8	57.0
1932	33.5	47.7	43.0	57.9	65.9	72.8	79.8	77.8	67.9	56.4	47.3	30.2	56.7
1933	41.0	35.3	50.2	53.9	66.5	78.0	80.4	75.6	74.2	61.7	48.9	45.3	59.3
1934	40.3	44.4	49.1	60.9	71.2	79.5	83.6	80.9	70.0	63.4	49.3	41.1	61.2
1935	43.0	43.8	52.5	58.4	60.9	75.7	80.3	77.8	68.2	60.0	45.8	38.2	58.7
1936	35.3	39.1	51.5	58.5	67.8	77.3	78.9	79.9	68.5	56.3	44.3	40.7	58.2
1937	31.4	39.9	44.2	56.6	67.9	73.8	80.4	81.5	71.9	60.6	45.8	38.7	57.7
1938	37.8	41.2	51.3	57.6	65.7	74.2	78.7	81.2	71.1	61.6	43.8	39.7	58.7
1939	40.1	32.4	50.2	57.3	66.2	77.0	79.9	76.5	73.1	59.4	44.2	40.1	58.0
1940	30.2	40.9	49.5	56.0	66.4	74.9	82.0	75.4	73.4	62.7	42.3	40.1	57.8
1941	38.1	42.8	44.4	55.1	64.8	70.4	74.7	74.9	67.8	57.3	49.0	40.0	56.6
1942	36.9	37.3	45.8	56.1	64.4	74.3	78.2	75.5	66.7	56.6	50.1	40.5	56.9
1943	37.3	44.4	46.1	61.8	65.3	76.1	79.1	82.3	70.3	58.3	44.4	30.5	58.0
1944	34.8	41.2	45.7	53.6	64.7	74.2	78.1	78.0	69.0	59.0	45.8	34.0	56.5
1945	37.1	43.0	50.2	52.2	67.0	74.2	78.8	77.5	69.7	58.9	49.1	37.2	57.9
1946	37.0	42.3	51.6	64.2	63.6	78.6	80.6	78.9	71.9	59.4	44.2	43.7	59.7
1947	35.8	38.2	44.1	54.4	65.3	75.6	80.9	79.0	74.8	63.8	41.0	36.8	57.5
1948	31.8	34.9	40.7	62.0	66.5	74.6	80.0	77.3	72.5	59.0	43.1	41.4	57.0
1949	27.7	39.6	48.6	54.6	65.5	72.4	77.5	76.1	70.1	58.1	53.1	38.0	56.8

Table A4. Monthly mean temperatures (°F), Agricultural Science Center at Tucumcari, N.M., 1905–2002 (continued).

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1950	41.8	46.0	48.1	57.9	66.9	76.9	74.7	74.3	67.4	65.7	48.2	40.4	59.0
1951	35.6	42.7	45.8	54.9	65.7	73.4	82.1	79.7	71.5	59.8	43.9	38.9	57.8
1952	42.0	43.3	45.9	56.5	66.5	80.5	79.0	79.9	70.5	58.8	40.2	37.5	58.4
1953	45.3	39.8	52.6	55.3	63.5	81.7	80.3	77.3	72.2	60.3	48.1	35.5	59.3
1954	40.3	47.8	46.4	62.4	64.2	78.0	82.3	78.6	74.5	60.0	50.4	42.1	60.6
1955	37.9	38.4	47.4	57.7	64.7	72.4	76.1	76.9	70.3	59.8	46.7	43.4	57.6
1956	41.2	37.9	50.0	55.5	70.6	78.4	77.6	75.9	72.9	63.0	45.0	41.5	59.1
1957	38.5	48.6	47.8	54.2	63.4	75.3	81.0	76.6	67.9	58.7	43.3	45.7	58.4
1958	38.6	43.5	41.7	54.6	68.3	77.2	78.8	78.4	71.1	58.4	49.6	42.0	58.5
1959	35.9	42.3	49.2	57.1	67.0	75.7	77.0	76.9	70.7	57.0	46.3	41.0	58.0
1960	35.2	37.3	48.3	60.1	65.9	75.8	75.0	76.5	69.9	59.4	50.0	35.9	57.4
1961	38.1	43.1	49.0	57.1	67.6	75.2	76.6	75.5	68.1	60.5	43.9	37.7	57.7
1962	35.0	48.9	46.5	59.2	70.2	72.7	76.4	78.3	70.8	61.6	49.2	41.5	59.2
1963	31.9	43.1	49.5	60.5	67.2	73.5	79.2	76.1	71.7	63.9	49.6	36.5	58.5
1964	39.9	34.4	46.8	58.0	68.1	76.0	80.8	77.2	69.0	60.3	46.1	41.4	58.2
1965	43.6	40.3	41.5	59.9	64.9	71.9	77.9	73.5	67.3	60.6	54.4	44.3	58.3
1966	33.8	38.5	52.7	59.3	68.1	74.3	82.1	73.1	69.7	58.6	52.2	37.3	58.3
1967	42.4	43.2	55.3	62.4	65.4	73.9	76.6	73.6	70.1	63.5	49.9	37.0	59.4
1968	42.4	42.7	49.1	56.2	66.4	77.7	78.1	77.1	70.7	63.5	47.6	41.2	59.4
1969	46.3	43.5	42.7	60.8	68.0	73.7	81.4	79.8	71.3	57.2	48.4	42.8	59.7
1970	38.6	46.9	45.6	56.8	68.9	74.0	79.5	78.3	70.0	55.8	50.7	45.5	59.2
1971	41.2	43.0	51.3	58.2	65.9	77.2	78.2	73.2	69.5	59.3	50.4	41.6	59.1
1972	42.2	47.3	56.5	62.9	67.4	76.4	77.1	74.9	70.6	59.9	41.4	39.4	59.7
1973	36.4	42.1	49.4	52.3	64.2	74.4	77.3	77.8	68.7	62.9	53.3	41.3	58.3
1974	40.4	45.6	56.7	59.6	72.7	77.1	79.9	75.9	65.8	60.9	48.5	39.1	60.2
1975	40.5	39.7	49.6	56.6	65.7	75.0	75.6	78.0	68.4	62.4	49.0	43.6	58.7
1976	41.1	50.7	50.6	61.1	65.0	76.4	77.3	78.3	70.3	55.8	44.2	41.3	59.3
1977	34.6	45.3	49.3	59.4	69.6	80.0	81.9	79.9	75.0	63.1	51.1	45.9	61.2
1978	36.1	38.7	52.0	62.7	67.1	76.9	81.8	77.5	70.6	62.1	49.1	35.8	59.2
1979	30.4	43.1	50.2	57.6	65.6	72.8	79.2	75.1	71.0	63.4	42.2	41.9	57.7
1980	39.4	42.6	48.6	55.2	64.2	80.7	83.4	77.9	70.6	58.3	47.0	48.3	59.7
1981	42.2	46.8	49.8	63.0	65.1	77.8	79.4	74.2	68.8	57.4	51.7	42.4	59.9
1982	39.3	39.0	49.8	57.1	65.4	72.4	78.1	77.0	71.0	57.7	45.2	36.6	57.4
1983	38.0	39.3	47.7	51.3	61.9	70.4	79.4	79.0	73.3	59.7	50.3	30.5	56.7
1984	35.1	42.5	46.4	53.1	66.4	73.7	77.9	75.5	68.6	54.1	47.7	39.5	56.7
1985	34.2	37.8	49.9	59.0	66.6	74.0	78.7	78.5	69.0	56.9	47.3	36.3	57.4
1986	44.0	42.1	53.5	59.8	65.4	72.4	78.9	76.8	69.3	55.9	44.1	37.1	58.3
1987	34.7	41.8	45.2	55.1	64.3	73.0	79.3	75.7	67.5	59.9	47.2	35.7	56.6
1988	34.0	42.4	47.5	54.7	65.0	74.3	76.8	76.4	67.2	59.3	50.4	37.9	57.2
1989	41.4	36.8	53.4	60.1	69.2	71.1	77.6	75.8	67.4	60.7	50.1	33.2	58.1
1990	39.0	42.0	47.6	56.9	64.1	82.3	77.7	76.1	71.7	58.5	50.2	35.0	58.4
1991	34.7	46.6	49.9	58.1	67.8	75.4	75.8	74.8	66.7	59.5	42.3	39.7	57.6
1992	37.7	45.6	51.8	60.2	64.6	71.8	78.3	75.5	71.2	61.9	42.8	38.1	58.3
1993	36.8	40.4	49.8	57.0	66.3	74.9	80.3	77.1	69.7	57.9	43.1	40.9	57.8
1994	39.5	41.4	50.5	57.4	66.3	79.2	80.0	79.7	71.4	59.3	49.3	44.6	59.9

Table A4. Monthly mean temperatures (°F), Agricultural Science Center at Tucumcari, N.M., 1905–2002 (continued).

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1995	40.7	47.3	49.7	55.2	64.4	73.6	78.8	80.3	69.6	60.3	51.6	41.9	59.4
1996	38.7	45.1	47.0	59.1	73.4	76.8	77.5	75.7	67.3	58.0	48.2	41.0	59.0
1997	35.4	40.4	52.4	50.7	64.8	73.9	79.8	76.4	72.7	59.4	44.9	35.1	57.2
1998	42.1	42.5	46.3	54.5	68.6	77.0	81.2	76.4	74.5	61.5	51.3	41.0	59.7
1999	43.6	48.9	49.8	56.3	64.4	74.2	80.2	79.1	69.5	60.2	53.8	40.2	60.0
2000	43.8	49.5	51.2	60.3	72.2	76.3	81.9	82.7	75.3	59.2	41.4	36.2	60.8
2001	34.9	44.5	46.8	62.7	66.4	76.6	83.8	78.9	72.9	60.9	52.1	41.7	60.2
2002	40.6	41.3	47.1	60.3	69.5	81.2	79.7	80.8	70.8	56.3	46.6	39.8	59.5
Avg.	38.1	42.0	48.6	57.3	66.0	75.3	78.9	77.2	70.4	59.4	46.9	38.8	58.2
Max.	46.5	50.7	57.5	64.2	73.4	82.3	83.8	82.7	75.3	65.7	54.4	48.3	61.2
Min.	27.1	30.5	40.0	49.5	59.9	69.0	74.0	72.5	65.8	52.3	37.5	29.9	55.3

Table A5. Date of last spring and first fall temperatures of 26, 28, 30 and 32°F; length of growing season; and number of killing frost free days at the Agricultural Science Center at Tucumcari, N.M., 1913–2002.

Year	Last Spring Temperature of				First Fall Temperature of				Growing Season ¹	Killing Frost Free Days ²
	26°F	28°F	30°F	32°F	32°F	30°F	28°F	26°F		
1913	Apr 11	Apr 11	Apr 12	Apr 24	Oct 19	Oct 25	Oct 25	Oct 25	178	197
1914	Apr 8	Apr 8	Apr 11	Apr 18	Oct 13	Oct 13	Nov 16	Nov 16	178	222
1915	Mar 26	Mar 26	May 6	May 6	Nov 10	Nov 11	Nov 11	Nov 11	188	230
1916	Apr 7	Apr 7	Apr 7	Apr 14	Oct 19	Oct 19	Oct 19	Oct 19	188	195
1917	May 6	May 6	May 6	May 6	Oct 17	Oct 17	Oct 22	Oct 28	164	169
1918	Mar 16	Mar 16	Apr 20	Apr 20	Oct 25	Nov 8	Nov 20	Nov 20	188	249
1919	Apr 9	Apr 9	Apr 10	Apr 10	Oct 27	Oct 27	Oct 27	Nov 9	200	201
1920	Apr 11	Apr 18	Apr 26	Apr 27	Oct 14	Nov 1	Nov 1	Nov 11	171	197
1921	Apr 16	Apr 16	Apr 25	Apr 27	Oct 31	Nov 8	Nov 9	Nov 18	187	207
1922	Mar 10	Mar 10	Apr 18	Apr 18	Oct 30	Oct 30	Oct 30	Oct 30	195	234
1923	Mar 22	Mar 22	Apr 3	Apr 4	Oct 29	Oct 29	Nov 27	Nov 27	208	250
1924	Mar 30	Apr 14	Apr 26	Apr 26	Oct 30	Oct 30	Oct 30	Nov 6	187	199
1925	Mar 14	Mar 18	Mar 18	Apr 29	Oct 18	Oct 18	Oct 18	Oct 18	172	214
1926	Apr 1	Apr 2	Apr 3	Apr 11	Oct 23	Oct 30	Nov 1	Nov 8	195	213
1927	Mar 21	Apr 20	Apr 20	Apr 21	Oct 11	Nov 1	Nov 1	Nov 1	173	195
1928	Apr 5	Apr 14	Apr 14	Apr 14	Nov 1	Nov 1	Nov 18	Nov 18	201	218
1929	Apr 10	Apr 10	May 1	May 1	Oct 22	Oct 22	Oct 22	Oct 22	174	195
1930	Mar 28	Mar 29	Mar 31	May 10	Oct 28	Nov 18	Nov 18	Nov 19	171	234
1931	Mar 30	Mar 30	Apr 3	Apr 20	Oct 29	Oct 29	Oct 30	Oct 30	192	214
1932	Mar 21	Apr 10	Apr 27	Apr 27	Oct 24	Oct 25	Nov 7	Nov 7	180	211
1933	Apr 13	Apr 13	Apr 14	Apr 22	Nov 2	Nov 3	Nov 4	Nov 4	194	205
1934	Mar 25	Mar 25	Mar 26	Apr 3	Nov 2	Nov 21	Nov 21	Nov 28	213	241
1935	Feb 27	Mar 6	May 3	May 4	Oct 23	Oct 24	Nov 4	Nov 4	172	243
1936	Apr 6	Apr 6	Apr 9	Apr 9	Sep 26	Oct 22	Nov 2	Nov 2	170	210
1937	Mar 29	Mar 29	Apr 4	Apr 8	Nov 8	Nov 15	Nov 15	Nov 15	214	231
1938	Apr 8	Apr 8	Apr 8	May 7	Oct 19	Nov 3	Nov 3	Nov 5	165	209
1939	Apr 6	Apr 6	Apr 16	Apr 16	Oct 29	Oct 29	Nov 2	Nov 2	196	210
1940	Apr 11	Apr 17	Apr 17	Apr 17	Oct 28	Nov 4	Nov 10	Nov 10	194	207
1941	Mar 25	Mar 26	Mar 26	Mar 26	Oct 29	Nov 7	Nov 7	Nov 20	217	226
1942	Mar 28	Apr 8	Apr 8	Apr 8	Oct 30	Nov 9	Nov 9	Nov 9	205	215
1943	Mar 20	Mar 21	Mar 21	Mar 24	Oct 14	Oct 20	Nov 1	Nov 1	204	225
1944	Apr 17	Apr 17	Apr 17	Apr 18	Nov 8	Nov 8	Nov 14	Nov 18	204	211
1945	Apr 15	Apr 15	Apr 23	May 15	Sep 28	Oct 23	Oct 23	Oct 23	136	191
1946	Mar 18	Mar 19	Mar 23	Mar 26	Oct 11	Oct 11	Nov 3	Nov 4	199	229
1947	Mar 16	Mar 26	Apr 17	Apr 26	Oct 23	Nov 4	Nov 7	Nov 7	180	226
1948	Apr 1	Apr 1	Apr 1	Apr 1	Oct 17	Oct 17	Oct 17	Oct 17	199	199
1949	Apr 2	Apr 4	Apr 5	Apr 5	Oct 22	Oct 22	Oct 31	Oct 31	200	210
1950	Apr 5	Apr 5	Apr 5	Apr 30	Nov 3	Nov 3	Nov 3	Nov 3	187	212
1951	Apr 16	Apr 16	Apr 16	Apr 16	Oct 22	Nov 1	Nov 1	Nov 1	189	199
1952	Apr 10	Apr 10	Apr 10	Apr 10	Oct 15	Oct 15	Nov 10	Nov 10	188	214
1953	Apr 18	Apr 19	Apr 19	Apr 20	Nov 8	Nov 10	Nov 20	Nov 20	202	215
1954	Mar 31	May 3	May 3	May 3	Oct 27	Oct 27	Nov 2	Dec 1	177	183

Table A5. Date of last spring and first fall temperatures of 26, 28, 30 and 32°F; length of growing season; and number of killing frost free days at the Agricultural Science Center at Tucumcari, N.M., 1913–2002 (continued).

Year	Last Spring Temperature of				First Fall Temperature of				Growing Season ¹	Killing Frost Free Days ²
	26°F	28°F	30°F	32°F	32°F	30°F	28°F	26°F		
1955	Mar 28	Apr 7	Apr 7	Apr 7	Oct 24	Oct 24	Oct 24	Oct 24	200	200
1956	Apr 9	Apr 10	Apr 19	Apr 20	Oct 21	Nov 3	Nov 3	Nov 3	184	207
1957	Apr 12	Apr 12	Apr 14	Apr 21	Oct 27	Oct 27	Nov 8	Nov 21	189	210
1958	Mar 18	Apr 14	Apr 14	Apr 24	Oct 31	Nov 1	Nov 17	Nov 17	190	217
1959	Mar 27	Apr 13	Apr 22	Apr 22	Oct 27	Nov 5	Nov 5	Nov 5	188	206
1960	Mar 17	Apr 30	Apr 30	Apr 30	Oct 31	Oct 31	Oct 31	Nov 16	184	184
1961	Mar 20	Apr 15	Apr 15	Apr 16	Nov 3	Nov 3	Nov 3	Nov 3	201	202
1962	Apr 2	Apr 2	May 1	May 1	Oct 29	Nov 7	Nov 7	Nov 12	181	219
1963	Mar 20	Apr 3	Apr 3	Apr 19	Oct 24	Oct 24	Oct 24	Oct 24	188	204
1964	Apr 8	Apr 8	Apr 8	Apr 14	Oct 20	Oct 25	Nov 4	Nov 19	189	210
1965	Mar 30	Mar 30	Mar 30	Mar 30	Sep 17	Nov 27	Nov 27	Nov 27	171	242
1966	Apr 20	Apr 20	Apr 20	Apr 20	Oct 15	Oct 15	Oct 15	Nov 2	178	178
1967	Mar 15	Apr 24	May 2	May 3	Oct 31	Oct 31	Nov 3	Nov 5	181	193
1968	Mar 22	Mar 22	Mar 22	Apr 23	Oct 18	Nov 11	Nov 11	Nov 11	178	234
1969	Mar 26	Mar 26	Mar 27	Mar 30	Oct 12	Oct 12	Oct 13	Oct 13	196	201
1970	Apr 1	Apr 4	Apr 4	May 1	Sep 26	Sep 26	Oct 8	Nov 4	148	187
1971	Apr 6	Apr 6	Apr 6	Apr 6	Oct 20	Nov 3	Nov 7	Nov 19	197	215
1972	Mar 31	Apr 1	Apr 1	Apr 15	Oct 19	Oct 31	Oct 31	Nov 14	187	213
1973	Apr 10	Apr 10	Apr 10	Apr 27	Oct 31	Oct 31	Nov 3	Nov 28	187	207
1974	Apr 5	Apr 5	Apr 16	Apr 16	Nov 5	Nov 12	Nov 14	Nov 14	203	223
1975	Apr 2	Apr 3	Apr 9	Apr 30	Oct 24	Oct 25	Oct 25	Oct 25	177	205
1976	Mar 31	Mar 31	Mar 31	Mar 31	Oct 8	Oct 8	Oct 19	Nov 13	191	202
1977	Apr 4	Apr 4	Apr 5	Apr 5	Nov 2	Nov 2	Nov 2	Nov 2	211	212
1978	Mar 16	Mar 16	Mar 16	May 3	Nov 11	Nov 11	Nov 14	Nov 28	192	243
1979	Apr 4	Apr 13	Apr 13	Apr 13	Oct 22	Oct 22	Nov 1	Nov 2	192	202
1980	Apr 9	Apr 14	Apr 14	Apr 15	Oct 19	Oct 24	Oct 24	Oct 24	187	193
1981	Mar 9	Mar 19	Apr 4	Apr 4	Oct 25	Nov 8	Nov 8	Nov 30	204	234
1982	Mar 22	Apr 6	Apr 22	Apr 22	Oct 29	Oct 29	Nov 3	Nov 3	190	211
1983	Apr 8	Apr 14	Apr 14	Apr 15	Nov 9	Nov 10	Nov 10	Nov 23	208	210
1984	Apr 4	Apr 4	Apr 4	Apr 23	Oct 19	Oct 19	Nov 19	Nov 27	179	229
1985	Mar 31	Mar 31	Apr 5	Apr 5	Nov 2	Nov 7	Nov 11	Nov 15	211	225
1986	Mar 19	Mar 19	Apr 4	Apr 4	Oct 12	Oct 12	Oct 13	Nov 9	191	208
1987	Mar 31	Apr 3	Apr 8	Apr 10	Nov 9	Nov 9	Nov 9	Nov 10	213	220
1988	Apr 2	Apr 4	Apr 11	Apr 11	Nov 5	Nov 16	Nov 19	Nov 20	208	229
1989	Apr 11	Apr 11	Apr 11	Apr 11	Nov 19	Nov 19	Nov 19	Oct 30	222	222
1990	Mar 25	Mar 25	Apr 7	Apr 7	Oct 9	Oct 21	Oct 21	Nov 8	185	210
1991	Mar 31	Mar 31	Apr 13	Apr 13	Oct 19	Oct 29	Oct 29	Oct 29	189	212
1992	Mar 20	Mar 23	Mar 23	Apr 1	Oct 8	Nov 4	Nov 4	Nov 4	190	226
1993	Mar 14	Mar 18	Apr 4	Apr 21	Oct 27	Oct 29	Oct 30	Oct 30	189	226
1994	Apr 6	Apr 6	Apr 12	Apr 30	Nov 5	Nov 14	Nov 15	Nov 15	189	223

Table A5. Date of last spring and first fall temperatures of 26, 28, 30 and 32°F; length of growing season; and number of killing frost free days at the Agricultural Science Center at Tucumcari, N.M., 1913–2002 (continued).

Year	Last Spring Temperature of				First Fall Temperature of				Growing Season ¹	Killing Frost Free Days ²
	26°F	28°F	30°F	32°F	32°F	30°F	28°F	26°F		
1995	Apr 11	Apr 23	Apr 23	Apr 23	Nov 2	Nov 3	Nov 3	Nov 3	193	194
1996	Apr 6	Apr 6	Apr 15	Apr 15	Oct 18	Oct 22	Oct 22	Oct 22	186	199
1997	Apr 13	Apr 13	Apr 27	Apr 27	Oct 25	Oct 25	Oct 25	Oct 25	181	195
1998	Mar 20	Mar 31	Mar 31	Apr 19	Nov 10	Nov 10	Nov 20	Nov 20	205	234
1999	Mar 14	Apr 16	Apr 16	Apr 17	Oct 18	Nov 2	Nov 2	Nov 23	184	200
2000	Mar 19	Mar 22	Apr 16	Apr 16	Sep 25	Nov 7	Nov 7	Nov 7	162	230
2001	Mar 16	Mar 16	Mar 16	Apr 12	Oct 13	Nov 21	Nov 27	Nov 27	184	256
2002	Apr 3	Apr 3	Apr 3	Apr 4	Oct 30	Oct 30	Nov 6	Nov 26	209	217
Ave.	Mar 30	Apr 4	Apr 11	Apr 17	Oct 23	Oct 30	Nov 3	Nov 8	189	213
Earliest	Feb 27	Mar 6	Mar 16	Mar 24	Sep 17	Sep 26	Oct 8	Oct 13	136	169
Latest	May 6	May 6	May 6	May 15	Nov 19	Nov 27	Nov 27	Dec 1	222	256

¹Growing Season = Number of days between the last occurrence of 32°F in the spring and the first occurrence of 32°F in the fall.

²Killing Frost Free Days = Number of days between the last occurrence of 28°F in the spring and the first occurrence of 28°F in the fall.

Table A6. Mean daily and cumulative heat units, 60°F base, Agricultural Science Center at Tucumcari, N.M., 1913–2002.

Date	Daily	Cumulative	Date	Daily	Cumulative	Date	Daily	Cumulative	Date	Daily	Cumulative
May 1	3.6	4	Jun 16	16.1	431	Aug 1	19.1	1291	Sep 16	9.7	2012
May 2	3.6	7	Jun 17	16.6	447	Aug 2	19.0	1310	Sep 17	11.0	2023
May 3	3.8	11	Jun 18	16.9	464	Aug 3	18.4	1328	Sep 18	11.8	2035
May 4	4.7	16	Jun 19	16.7	481	Aug 4	18.7	1347	Sep 19	10.6	2046
May 5	5.6	21	Jun 20	17.2	498	Aug 5	18.6	1366	Sep 20	9.7	2055
May 6	4.9	26	Jun 21	17.6	516	Aug 6	19.0	1385	Sep 21	8.6	2064
May 7	5.4	32	Jun 22	17.4	533	Aug 7	18.5	1403	Sep 22	7.8	2072
May 8	5.9	37	Jun 23	18.2	551	Aug 8	17.7	1421	Sep 23	7.6	2079
May 9	5.5	43	Jun 24	18.3	570	Aug 9	17.9	1439	Sep 24	6.9	2086
May 10	5.0	48	Jun 25	18.6	588	Aug 10	17.7	1456	Sep 25	6.1	2092
May 11	5.7	54	Jun 26	18.4	607	Aug 11	17.3	1474	Sep 26	6.8	2099
May 12	5.8	60	Jun 27	19.6	626	Aug 12	17.2	1491	Sep 27	6.4	2106
May 13	5.7	65	Jun 28	19.0	645	Aug 13	17.8	1509	Sep 28	7.4	2113
May 14	6.7	72	Jun 29	19.2	664	Aug 14	17.4	1526	Sep 29	7.4	2120
May 15	7.4	79	Jun 30	18.9	683	Aug 15	17.3	1543	Sep 30	7.2	2128
May 16	7.6	87	Jul 1	18.2	701	Aug 16	17.5	1561	Oct 1	7.0	2135
May 17	7.4	94	Jul 2	18.7	720	Aug 17	17.3	1578	Oct 2	6.9	2142
May 18	7.4	102	Jul 3	19.2	739	Aug 18	17.1	1595	Oct 3	6.2	2148
May 19	8.3	110	Jul 4	18.6	758	Aug 19	17.0	1612	Oct 4	5.6	2153
May 20	8.6	119	Jul 5	18.7	777	Aug 20	17.0	1629	Oct 5	5.6	2159
May 21	8.2	127	Jul 6	18.9	796	Aug 21	16.8	1646	Oct 6	4.6	2164
May 22	8.4	135	Jul 7	19.6	815	Aug 22	16.6	1663	Oct 7	4.3	2168
May 23	8.5	144	Jul 8	19.9	835	Aug 23	16.2	1679	Oct 8	4.6	2172
May 24	8.5	152	Jul 9	19.3	854	Aug 24	16.0	1695	Oct 9	4.0	2176
May 25	9.1	161	Jul 10	19.8	874	Aug 25	16.2	1711	Oct 10	4.0	2180
May 26	9.0	170	Jul 11	19.5	894	Aug 26	16.2	1727	Oct 11	3.8	2184
May 27	9.2	180	Jul 12	19.2	913	Aug 27	16.1	1743	Oct 12	3.8	2188
May 28	9.1	189	Jul 13	19.0	932	Aug 28	15.5	1759	Oct 13	4.2	2192
May 29	10.1	199	Jul 14	18.9	951	Aug 29	15.2	1774	Oct 14	3.0	2195
May 30	10.3	209	Jul 15	18.8	970	Aug 30	15.7	1790	Oct 15	3.1	2198
May 31	10.7	220	Jul 16	19.7	989	Aug 31	14.9	1805	Oct 16	2.5	2201
Jun 1	10.4	230	Jul 17	19.4	1009	Sep 1	14.8	1819	Oct 17	2.3	2203
Jun 2	10.6	241	Jul 18	19.4	1028	Sep 2	15.4	1835	Oct 18	1.7	2205
Jun 3	11.0	252	Jul 19	19.2	1047	Sep 3	15.0	1850	Oct 19	1.9	2207
Jun 4	10.9	263	Jul 20	18.6	1066	Sep 4	14.4	1864	Oct 20	1.8	2208
Jun 5	12.0	275	Jul 21	17.9	1084	Sep 5	14.5	1879	Oct 21	1.7	2210
Jun 6	11.9	287	Jul 22	17.9	1102	Sep 6	14.4	1893	Oct 22	1.3	2211
Jun 7	13.2	300	Jul 23	18.4	1120	Sep 7	14.1	1907	Oct 23	1.1	2213
Jun 8	13.9	314	Jul 24	18.5	1139	Sep 8	13.2	1920	Oct 24	0.9	2213
Jun 9	13.7	327	Jul 25	18.8	1158	Sep 9	13.0	1933	Oct 25	0.8	2214
Jun 10	13.2	341	Jul 26	18.8	1176	Sep 10	12.4	1946	Oct 26	1.2	2215
Jun 11	13.7	354	Jul 27	19.2	1196	Sep 11	12.5	1958	Oct 27	1.2	2217
Jun 12	14.2	368	Jul 28	19.0	1215	Sep 12	12.2	1971	Oct 28	0.6	2217
Jun 13	15.0	383	Jul 29	19.3	1234	Sep 13	11.2	1982	Oct 29	0.8	2218
Jun 14	15.7	399	Jul 30	19.0	1253	Sep 14	10.8	1993	Oct 30	1.0	2219
Jun 15	15.4	415	Jul 31	18.9	1272	Sep 15	10.1	2003	Oct 31	0.7	2220

Table A7. Average wind velocity, by month (miles per hour, 2 feet above ground), Agricultural Science Center at Tucumcari, N.M., 1918–2002.

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Apr– Sep	Annual
1918	5.6	8.9	8.0	8.7	10.0	6.7	6.8	7.0	6.9	5.8	6.6	5.8	7.7	7.2
1919	3.8	8.5	8.1	7.7	6.7	4.7	4.9	2.9	4.6	5.6	4.7	5.3	5.3	5.6
1920	4.3	5.3	9.2	9.1	6.2	5.4	3.8	3.5	4.1	5.1	3.5	5.0	5.4	5.4
1921	4.7	4.9	6.3	7.3	5.7	3.7	3.3	3.2	4.9	4.5	4.1	4.8	4.7	4.8
1922	4.4	6.7	6.3	6.8	5.8	5.6	5.5	4.5	4.3	3.8	4.8	5.3	5.4	5.3
1923	5.1	5.0	7.3	7.1	5.7	6.7	4.9	4.5	3.2	5.0	2.6	5.3	5.4	5.2
1924	4.5	5.4	7.2	6.8	5.8	5.5	4.9	4.8	4.8	5.2	4.4	4.8	5.4	5.3
1925	4.3	6.1	6.5	7.1	6.5	7.5	5.1	4.8	4.7	5.1	4.2	4.4	6.0	5.5
1926	4.7	6.2	5.5	5.5	5.3	4.5	3.9	3.8	5.9	4.7	4.7	3.6	4.8	4.9
1927	4.8	6.3	6.6	6.8	7.9	7.1	5.1	4.0	4.9	4.0	5.4	5.2	6.0	5.7
1928	4.4	4.3	5.0	6.6	4.6	5.8	4.9	4.9	4.5	4.4	4.0	3.9	5.2	4.8
1929	5.4	4.4	6.5	7.2	6.8	6.1	5.2	4.1	5.5	4.1	4.4	3.8	5.8	5.3
1930	5.1	5.1	5.3	5.6	7.9	7.0	5.2	4.2	4.4	4.6	4.8	3.2	5.7	5.2
1931	3.6	4.8	5.5	6.4	5.3	4.8	4.6	3.8	4.4	4.2	4.0	4.2	4.9	4.6
1932	5.3	6.1	6.1	6.5	6.1	5.0	4.9	5.1	4.2	5.8	4.6	5.3	5.3	5.4
1933	7.5	6.7	7.4	8.5	7.9	5.6	5.0	4.1	4.7	3.2	3.4	4.5	6.0	5.7
1934	4.0	4.7	5.4	6.2	6.7	7.2	6.2	5.2	6.3	5.0	5.5	5.8	6.3	5.7
1935	5.8	6.8	9.1	8.7	6.8	6.7	5.5	4.8	4.4	5.3	4.6	3.5	6.2	6.0
1936	5.5	7.4	7.8	6.7	6.5	5.8	4.5	4.5	4.2	4.6	4.5	4.9	5.4	5.6
1937	6.2	7.3	7.4	6.7	5.7	5.3	4.6	4.5	4.4	4.2	4.7	4.6	5.2	5.5
1938	4.9	5.0	8.6	8.2	6.1	5.9	4.3	5.7	3.5	4.7	5.5	4.9	5.6	5.6
1939	6.0	7.0	6.3	6.7	5.2	6.4	5.4	4.4	5.1	5.4	3.6	3.1	5.5	5.4
1940	4.3	6.1	6.5	6.4	4.7	5.0	4.8	4.2	4.8	4.4	4.6	3.8	5.0	5.0
1941	3.3	4.9	6.4	7.0	5.8	4.6	3.2	3.8	5.2	4.1	3.5	4.8	4.9	4.7
1942	4.2	5.5	5.9	6.7	5.8	5.4	4.2	4.4	4.4	4.0	5.6	4.3	5.2	5.0
1943	6.0	6.0	6.6	5.6	6.7	6.9	4.1	4.1	4.3	4.4	3.6	3.5	5.3	5.2
1944	4.0	5.8	6.5	7.0	5.2	5.7	4.4	4.6	4.6	3.5	4.8	4.1	5.3	5.0
1945	3.7	5.1	7.2	6.1	6.0	6.1	5.2	4.0	4.9	3.7	5.4	4.2	5.4	5.1
1946	4.9	5.7	6.5	6.4	6.5	7.5	5.2	5.0	6.1	5.9	5.5	4.7	6.1	5.8
1947	5.0	5.5	5.7	7.3	5.6	6.3	4.4	4.6	5.1	4.5	4.5	3.3	5.6	5.2
1948	4.1	4.8	6.4	7.2	5.4	3.9	4.6	3.3	3.6	3.5	3.9	5.0	4.7	4.6
1949	4.3	5.2	5.2	4.5	4.4	3.5	3.1	3.4	4.4	4.4	3.7	4.3	3.9	4.2
1950	6.0	4.2	6.5	6.1	6.5	5.9	3.7	2.8	3.6	3.4	3.7	2.9	4.8	4.6
1951	4.6	4.4	5.4	5.8	5.4	5.3	4.5	4.8	4.8	4.4	3.7	6.3	5.1	5.0
1952	5.2	5.6	6.9	4.8	4.7	5.9	4.5	3.2	3.3	2.7	3.8	3.2	4.4	4.5
1953	4.5	4.3	5.6	5.9	4.9	5.3	4.2	3.7	3.7	2.9	2.8	3.1	4.6	4.2
1954	4.6	4.8	7.0	5.6	5.3	6.7	3.9	3.5	4.2	3.5	3.2	4.4	4.9	4.7
1955	4.0	4.6	6.8	6.9	5.3	4.6	4.5	2.9	4.0	3.7	5.4	5.6	4.7	4.9
1956	3.9	5.1	6.0	6.3	5.7	4.6	3.4	3.9	4.0	3.8	3.4	3.4	4.7	4.5
1957	5.7	4.5	5.5	5.9	5.7	4.8	3.9	3.0	2.9	3.7	4.3	3.7	4.4	4.5
1958	2.7	4.0	4.0	4.8	3.1	3.4	2.9	2.0	3.0	2.6	3.3	2.7	3.2	3.2
1959	2.8	4.6	4.2	4.5	4.9	3.2	2.9	2.9	3.8	2.7	3.4	2.8	3.7	3.6

Table A7. Average wind velocity, by month (miles per hour, 2 feet above ground), Agricultural Science Center at Tucumcari, N.M., 1918–2002 (continued).

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Apr– Sep	Annual
1960	3.0	4.3	4.1	4.3	3.5	2.7	2.2	2.5	2.0	1.7	3.2	2.4	2.9	3.0
1961	2.2	2.8	4.3	4.4	5.0	3.3	3.1	2.2	3.4	2.8	3.2	3.1	3.6	3.3
1962	3.0	5.0	4.4	3.5	4.6	3.4	2.9	3.0	2.7	2.7	2.4	2.2	3.4	3.3
1963	3.3	2.4	4.5	5.3	3.4	3.7	2.8	2.2	2.1	2.4	2.5	1.9	3.3	3.0
1964	3.7	2.8	4.5	5.2	4.8	4.3	3.2	3.1	3.1	2.3	3.4	4.1	4.0	3.7
1965	3.2	3.1	4.2	4.5	4.5	3.8	2.9	2.2	3.7	2.2	3.5	3.0	3.6	3.4
1966	2.7	3.0	3.5	4.5	4.0	4.4	2.8	3.0	2.6	3.4	3.6	3.4	3.6	3.4
1967	4.0	4.1	5.1	6.2	4.3	3.9	2.9	2.3	2.4	3.4	3.2	3.8	3.7	3.8
1968	3.4	2.6	3.9	4.7	3.7	3.9	3.2	3.7	3.6	3.4	3.4	4.4	3.8	3.7
1969	4.9	4.2	3.7	4.7	3.1	3.7	2.5	2.4	2.2	3.4	2.5	1.9	3.1	3.3
1970				4.1	3.3	3.2	2.5	2.0	2.8				3.0	
1971				4.0	3.6	3.6	2.2	1.4	2.8				2.9	
1972				3.8	3.3	2.9	3.0	2.0	2.4				2.9	
1973				3.5	2.6	2.4	2.0	1.9	1.9				2.4	
1974				4.3	3.4	2.9	2.9	2.5	2.0				3.0	
1975				4.6	3.5	3.2	2.4	3.9	2.2				3.3	
1976				3.9	2.7	3.3	2.4	2.3	1.5				2.7	
1977				2.7	3.1	2.1	2.3	1.7	2.5				2.4	
1978				3.4	2.7	2.9	2.6	2.7	2.3				2.8	
1979				3.0	2.6	2.6	2.1	2.3	1.4				2.3	
1980				2.3	2.5	3.1	3.0	3.0	2.0				2.7	
1981				4.0	3.6	3.2	3.1	2.2	2.1				3.0	
1982				4.2	3.6	3.3	3.0	2.3	3.1				3.3	
1983	2.1	2.4	3.4	3.6	3.3	2.9	3.7	2.0	3.4	2.6	2.9	3.0	3.2	2.9
1984	2.4	2.9	3.2	5.4	4.4	4.0	2.8	2.1	2.9	3.1	3.5	3.4	3.6	3.3
1985	3.0	3.7	4.1	4.0	3.3	3.5	2.8	2.8	3.6	2.6	3.6	2.7	3.3	3.3
1986	3.0	4.2	4.0	4.6	4.1	2.6	3.3	3.1	3.6	2.5	3.9	2.2	3.6	3.4
1987	3.2	3.5	4.2	3.5	2.9	3.0	4.2	2.9	2.4	3.0	3.1	3.4	3.2	3.3
1988	3.6	3.6	4.5	4.7	4.8	3.2	2.5	2.9	2.8	2.5	3.7	3.3	3.5	3.5
1989	4.2	3.5	4.3	4.0	4.1	3.8	2.8	2.4	2.4	2.9	3.5	2.6	3.3	3.4
1990	4.0	3.9	4.1	4.4	4.7	4.3	3.9	2.9	2.3	3.2	3.9	3.6	3.8	3.8
1991	2.8	3.9	5.8	4.9	4.4	4.3	2.8	2.3	2.5	2.6	2.9	2.3	3.5	3.5
1992	2.6	3.4	3.4	2.9	3.3	2.7	3.4	2.8	3.4	2.8	3.2	4.0	3.1	3.2
1993	3.3	3.7	4.0	4.5	3.8	4.7	4.3	3.1	3.6	3.5	3.5	3.6	4.0	3.8
1994	3.7	4.4	4.5	4.6	3.3	3.6	3.4	2.9	2.9	3.3	4.5	3.2	3.5	3.7
1995	4.0	3.9	5.1	5.0	5.7	4.3	3.0	3.7	3.5	3.3	3.9	2.6	4.2	4.0
1996	4.5	4.6	4.4	6.0	5.5	3.7	2.9	2.3	2.5	3.2	3.2	3.9	3.8	3.9
1997	4.0	3.6	4.0	4.2	3.6	3.2	3.4	2.6	2.6	3.4	3.1	3.1	3.3	3.4
1998	4.1	3.9	4.8	5.1	4.2	5.1	3.4	2.2	2.3	3.2	3.5	2.8	3.7	3.7
1999	3.8	4.4	4.3	4.8	3.9	3.3	3.2	2.3	2.7	2.7	2.2	2.8	3.4	3.4

Table A7. Average wind velocity, by month (miles per hour, 2 feet above ground), Agricultural Science Center at Tucumcari, N.M., 1918–2002 (continued).

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Apr– Sep	Annual
2000	3.5	4.2	5.5	4.0	4.3	4.3	3.1	3.2	3.6	2.5	3.0	3.1	3.8	3.7
2001	3.0	4.2	3.6	5.9	3.4	3.3	2.8	2.5	3.0	4.0	4.3	3.9	3.5	3.6
2002	4.1	4.6	5.9	6.0	5.7	5.6	3.5	4.4	3.5	3.0	3.4	3.1	4.8	4.4
For all growing seasons, prior to moving weather station in April 1984 (1918–1983)														
Average				5.7	5.1	4.7	3.9	3.5	3.8				4.4	
For years with complete observations, prior to moving weather station in April 1984 (1918–1969 and 1983)														
Average	4.4	5.1	6.0	6.2	5.5	5.2	4.2	3.8	4.1	4.0	4.0	4.0	4.8	4.7
For all years, after moving weather station (1985–2002)														
Average	3.6	4.0	4.5	4.6	4.2	3.8	3.3	2.8	3.0	3.0	3.5	3.1	3.6	3.6
For all growing seasons (1918–2002)														
Average				5.5	4.9	4.5	3.7	3.3	3.6				4.3	
For all years with complete observations (1918–1969 and 1983–2002)														
Average	4.2	4.8	5.6	5.8	5.2	4.8	3.9	3.5	3.8	3.7	3.9	3.8	4.5	4.4

Table A8. Evaporation (inches) April to September, Agricultural Science Center at Tucumcari, N.M., 1913–2002.

Year ¹	Apr	May	Jun	Jul	Aug	Sep	Total	Daily Average
1913	7.22	10.35	8.72	11.83	10.14	6.54	54.80	0.30
1914	7.05	7.29	9.88	8.08	8.96	8.67	49.93	0.27
1915	5.55	9.91	11.24	10.02	8.41	7.37	52.50	0.29
1916	6.85	11.32	12.73	11.51	8.88	7.62	58.91	0.32
1917	9.60	9.48	13.72	13.41	10.02	7.22	63.45	0.35
1918	8.04	12.63	12.23	12.05	11.57	8.17	64.69	0.35
1919	5.74	7.78	7.54	9.21	8.56	6.96	45.79	0.25
1920	8.10	7.73	9.21	9.54	7.33	6.93	48.84	0.27
1921	7.86	7.83	6.42	8.38	8.99	8.63	48.11	0.26
1922	7.24	9.05	9.94	12.18	11.11	8.17	57.69	0.32
1923	7.07	10.00	10.34	11.31	9.77	6.53	55.02	0.30
1924	7.14	8.15	12.12	10.11	10.20	8.31	56.03	0.31
1925	9.39	9.26	12.33	11.09	8.74	6.04	56.85	0.31
1926	5.27	7.24	9.34	9.51	9.96	7.85	49.17	0.27
1927	9.45	14.45	11.13	10.37	8.06	6.34	59.80	0.33
1928	6.89	7.31	10.81	10.81	8.74	8.15	52.71	0.29
1929	8.53	7.65	10.44	10.86	9.01	6.92	53.41	0.29
1930	8.24	10.24	10.66	10.01	9.30	7.92	56.37	0.31
1931	5.87	7.89	10.27	9.96	8.10	7.76	49.85	0.27
1932	8.03	9.07	9.46	11.41	10.03	6.39	54.39	0.30
1933	8.72	12.14	11.14	11.52	8.74	7.93	60.19	0.33
1934	8.41	11.23	13.24	14.10	11.21	9.04	67.23	0.37
1935	10.82	8.45	11.74	12.30	9.41	7.02	59.74	0.33
1936	8.91	9.24	12.12	10.57	11.06	6.61	58.51	0.32
1937	8.43	8.88	9.69	11.73	11.10	7.32	57.15	0.31
1938	7.81	9.47	9.10	10.39	12.08	6.89	55.74	0.30
1939	7.62	8.84	12.25	11.91	9.69	9.21	59.52	0.33
1940	7.52	8.08	10.78	12.38	8.25	8.10	55.11	0.30
1941	6.34	6.79	8.20	8.32	8.59	6.90	45.14	0.25
1942	6.01	9.91	10.21	10.33	8.60	6.65	51.71	0.28
1943	8.36	9.99	11.26	10.13	11.28	7.91	58.93	0.32
1944	6.97	8.33	9.97	9.84	10.05	7.18	52.34	0.29
1945	6.40	10.40	12.27	11.24	8.87	8.62	57.80	0.32
1946	9.47	10.19	13.19	12.16	10.04	7.86	62.91	0.34
1947	7.18	8.16	12.59	12.39	10.60	10.87	61.79	0.34
1948	9.83	8.80	8.77	11.24	8.96	8.62	56.22	0.31
1949	5.87	8.13	8.40	9.42	9.39	7.15	48.36	0.26
1950	9.33	11.62	12.55	8.83	8.69	5.90	56.92	0.31
1951	7.90	9.25	10.62	11.94	11.15	9.63	60.49	0.33
1952	7.18	10.30	12.86	10.96	10.09	7.70	59.09	0.32
1953	13.23	14.62	19.74	15.68	13.60	12.71	89.58	0.49
1954	13.23	12.96	20.75	18.12	12.94	12.08	90.08	0.49

Table A8. Evaporation (inches) April to September, Agricultural Science Center at Tucumcari, N.M., 1913–2002 (continued).

Year ¹	Apr	May	Jun	Jul	Aug	Sep	Total	Daily Average
1955	13.45	12.73	13.77	13.14	11.93	10.47	75.49	0.41
1956	13.39	17.16	18.57	15.06	13.69	12.84	90.71	0.50
1957	9.78	12.07	15.89	16.20	11.98	9.78	75.70	0.41
1958	8.92	10.63	14.42	13.27	11.34	8.76	67.34	0.37
1959	9.60	13.36	12.88	14.35	11.71	11.78	73.68	0.40
1960	11.55	13.16	13.11	10.01	11.46	8.61	67.90	0.37
1961	9.93	13.69	12.14	12.11	9.39	9.02	66.28	0.36
1962	9.30	15.75	12.89	12.82	13.87	8.21	72.84	0.40
1963	13.61	12.77	13.75	14.13	10.68	8.78	73.72	0.40
1964	12.95	14.68	16.13	15.36	13.37	9.87	82.36	0.45
1965	12.32	12.81	11.64	14.04	9.58	8.64	69.03	0.38
1966	10.95	14.79	13.33	13.73	10.92	8.43	72.15	0.39
1967	14.29	13.61	12.62	12.86	10.32	8.62	72.32	0.40
1968	9.69	11.40	15.31	12.70	12.00	11.19	72.29	0.40
1969	9.91	9.63	12.21	11.15	11.18	8.05	62.13	0.34
1970	10.27	11.82	11.63	11.62	11.50	8.15	64.99	0.36
1971	9.65	11.97	12.83	10.06	8.85	8.63	61.99	0.34
1972	11.00	10.51	11.00	10.75	8.04	7.00	58.30	0.32
1973	8.04	10.26	12.05	10.98	11.08	6.81	59.22	0.32
1974	11.23	13.10	12.09	11.44	10.24	7.85	65.95	0.36
1975	10.65	11.11	12.36	9.43	12.16	7.03	62.74	0.34
1976	9.78	9.44	14.29	11.78	12.41	7.74	65.44	0.36
1977	8.39	11.47	13.64	14.08	10.84	9.71	68.13	0.37
1978	11.83	10.10	12.29	13.96	12.08	8.83	69.09	0.38
1979	8.83	9.26	11.23	11.95	10.11	8.48	59.86	0.33
1980	7.50	8.94	14.35	15.31	11.19	7.17	64.46	0.35
1981	10.76	11.27	14.24	12.80	9.56	6.55	65.18	0.36
1982	10.07	9.99	10.20	11.78	10.81	9.56	62.41	0.34
1983	7.28	9.41	9.96	15.22	11.24	10.72	63.83	0.35
1984	10.37	11.25	11.47	13.17	9.43	8.92	64.61	0.35
1985	9.31	10.87	11.27	12.86	11.52	9.14	64.97	0.36
1986	10.30	12.32	10.60	16.48	11.80	9.44	70.94	0.39
1987	8.56	9.44	11.60	15.72	11.43	8.10	64.85	0.35
1988	13.48	12.58	11.95	11.58	11.32	8.78	69.69	0.38
1989	11.60	12.75	12.09	13.10	9.58	7.95	67.07	0.37
1990	8.57	13.69	17.74	14.82	11.52	7.95	74.29	0.41
1991	10.83	13.21	14.34	10.79	9.87	6.87	65.91	0.36
1992	8.46	9.31	10.33	13.39	10.40	9.96	61.85	0.34
1993	9.14	10.55	13.70	14.35	10.40	9.67	67.81	0.37
1994	9.44	9.68	15.54	14.76	12.19	9.40	71.01	0.39
1995	9.94	13.22	13.28	13.39	13.69	8.74	72.26	0.39
1996	13.10	17.00	13.53	10.14	10.25	6.60	70.62	0.39
1997	6.34	9.21	11.40	14.06	10.99	8.65	60.65	0.33
1998	10.52	14.15	17.62	15.08	9.72	10.05	77.14	0.42
1999	9.24	12.57	12.40	12.48	12.18	7.69	66.56	0.36

Table A8. Evaporation (inches) April to September, Agricultural Science Center at Tucumcari, N.M., 1913–2002 (continued).

Year ¹	Apr	May	Jun	Jul	Aug	Sep	Total	Daily Average
2000	10.27	15.15	13.05	14.21	14.41	12.61	79.70	0.44
2001	12.39	10.18	13.54	13.89	11.57	9.62	71.19	0.39
2002	12.37	15.54	15.89	14.14	14.07	7.23	79.24	0.43
Monthly Average								
1913-1952	7.71	9.32	10.74	10.83	9.59	7.64	55.83	
1953-2002	10.51	12.14	13.45	13.29	11.33	8.99	69.71	
1913-2002	9.26	10.89	12.25	12.20	10.56	8.39	63.54	
Daily Average								
1913-1952	0.26	0.30	0.36	0.35	0.31	0.25		0.31
1953-2002	0.35	0.39	0.45	0.43	0.37	0.30		0.38
1913-2002	0.31	0.35	0.41	0.39	0.34	0.28		0.35

¹From 1913 through 1952, evaporation measurements were from a sunken pan. Beginning in 1953, evaporation measurements were from an aboveground pan.

Table A9. Monthly average maximum soil temperatures (°F) (at a 4-inch depth), Agricultural Science Center at Tucumcari, N.M., 1977–2002.

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
1977	42.5	52.9	60.7	72.1	85.5	96.7	95.3	96.7	86.5	74.1	60.2	53.4	73.1
1978	46.4	45.9	61.4	74.8	80.5	90.0	97.8	90.2	84.7	74.3	55.4	45.1	70.5
1979	41.2	48.0	59.9	71.5	81.7	88.6	97.9	92.5	88.2	75.6	54.1	51.3	70.9
1980	49.4	50.3	59.9	72.1	81.9	94.0	99.1	93.0	85.5	73.0	56.4	53.5	72.3
1981	52.0	55.1	62.5	77.8	85.3	98.3	100.2	91.2	86.3	70.5	63.4	53.3	74.6
1982	51.5	53.4	65.8	74.6	85.6	92.8	99.0	99.0	87.7	71.1	56.8	41.8	73.3
1983	41.8	44.1	57.6	65.2	82.1	89.0	97.4	95.5	86.1	69.9	55.5	35.7	68.3
1984	35.7	44.4	51.5	72.4	85.9	96.8	105.2	99.7	91.9	69.3	58.2	43.7	71.2
1985	41.5	47.1	62.7	79.0	88.0	95.2	104.3	99.4	85.0	65.9	53.2	41.1	71.9
1986	48.6	49.6	66.6	78.1	85.3	90.0	102.6	99.3	86.5	69.3	50.3	41.9	72.3
1987	40.1	49.7	59.2	71.4	82.5	95.9	103.9	96.2	86.6	77.1	59.1	44.0	72.1
1988	37.0	51.4	60.1	68.2	81.2	93.2	100.9	100.4	85.5	78.1	64.1	45.8	72.2
1989	48.2	49.0	67.8	81.2	92.1	91.6	102.9	97.2	87.6	77.0	61.8	45.0	75.1
1990	45.9	48.7	58.6	71.5	80.9	103.4	101.3	98.5	90.5	74.0	60.3	46.1	73.3
1991	40.2	55.0	62.2	74.3	86.7	93.9	92.6	90.8	79.4	74.8	47.7	43.5	70.1
1992	40.0	51.0	62.9	75.4	80.9	90.1	95.9	93.4	87.8	76.1	53.2	39.5	70.5
1993	40.6	46.6	59.7	71.0	82.9	94.3	102.5	99.9	91.8	73.2	51.7	45.3	71.6
1994	46.5	51.6	61.8	72.2	82.0	98.1	99.4	97.8	89.6	74.0	58.5	50.6	73.5
1995	46.5	57.1	63.1	71.6	82.3	92.9	98.4	100.1	86.8	76.2	61.5	47.7	73.7
1996	42.9	51.2	59.9	73.0	87.8	93.9	93.7	92.1	84.0	70.5	56.1	43.6	70.7
1997	41.8	48.0	62.6	63.2	80.5	91.0	97.5	92.3	87.3	74.0	53.4	40.6	69.4
1998	43.8	49.7	55.7	68.4	84.3	—	—	88.8	88.7	70.4	55.6	44.8	—
1999	46.7	51.9	57.5	66.7	78.0	90.8	95.4	93.8	83.7	71.2	59.9	42.8	69.9
2000	46.4	54.5	60.8	70.5	85.8	91.3	96.3	95.1	88.4	69.1	47.4	40.6	70.5
2001	37.6	45.9	54.7	69.7	79.4	89.8	95.7	91.8	85.9	71.4	59.0	44.9	68.8
2002	43.4	46.0	54.8	68.8	80.6	90.3	91.4	91.7	81.1	66.3	50.8	42.1	67.3
Average	43.8	49.9	60.4	72.1	83.5	93.3	98.7	95.2	86.6	72.5	56.3	44.9	71.5

Table A10. Monthly average minimum soil temperatures (°F) (at a 4-inch depth), Agricultural Science Center at Tucumcari, N.M., 1977–2002.

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1977	34.7	39.9	45.6	55.5	67.0	76.9	77.7	79.3	73.6	62.9	49.2	45.0	58.9
1978	39.7	40.5	51.7	61.8	66.1	75.5	80.3	75.9	72.1	61.9	49.5	39.8	59.6
1979	38.8	41.4	50.3	59.4	66.7	74.3	79.8	76.2	71.0	62.7	44.8	42.3	59.0
1980	42.4	42.8	49.8	55.5	65.2	77.5	83.0	79.0	71.4	60.2	47.4	44.3	59.9
1981	43.3	44.9	47.9	55.3	61.6	73.3	76.8	72.1	65.1	52.0	44.3	35.5	56.0
1982	33.9	34.1	43.7	51.7	60.8	67.4	76.5	75.9	67.6	50.8	41.7	34.1	53.2
1983	33.9	35.3	42.8	46.4	58.1	64.6	74.2	74.7	69.7	56.5	43.8	30.9	52.6
1984	31.1	35.2	42.1	48.8	62.4	71.6	78.3	73.8	67.1	50.0	43.3	36.7	53.4
1985	35.1	37.1	46.8	57.7	65.4	72.0	79.8	76.1	67.1	52.2	41.1	30.6	55.1
1986	33.9	38.2	47.8	57.6	64.1	70.5	79.8	76.2	66.7	50.7	36.7	33.2	54.6
1987	33.8	37.8	41.1	49.7	59.8	71.4	78.5	73.5	63.6	55.6	40.9	34.1	53.3
1988	29.0	35.3	41.5	47.5	60.8	71.4	77.9	76.7	63.8	56.9	46.4	36.1	53.6
1989	36.7	36.1	49.2	59.6	69.2	69.2	77.8	73.5	65.0	57.6	44.5	31.5	55.8
1990	34.5	38.7	45.7	56.1	63.8	81.3	78.1	75.0	71.0	55.8	44.1	35.1	56.6
1991	34.4	42.4	48.6	57.8	67.3	71.5	72.5	71.2	63.1	55.2	37.8	35.9	54.8
1992	33.0	39.2	47.5	56.7	63.3	69.0	76.6	72.7	68.0	58.9	40.6	34.0	55.0
1993	34.2	37.4	46.9	54.7	64.6	76.3	84.7	82.7	74.7	57.4	38.8	35.6	57.3
1994	35.2	36.8	46.4	55.2	64.1	79.1	79.8	79.0	71.0	56.5	44.0	37.7	57.1
1995	36.1	41.4	47.2	51.9	64.1	72.2	78.0	80.0	69.0	57.4	46.7	38.1	56.8
1996	35.3	41.9	46.7	59.0	72.8	74.4	76.7	75.0	66.4	54.5	42.7	36.5	56.8
1997	35.7	37.7	47.5	48.2	63.5	72.1	78.2	73.8	71.0	57.3	41.6	35.3	55.2
1998	36.6	40.0	42.8	52.4	67.0	—	—	70.2	72.7	56.3	43.3	34.9	—
1999	35.9	38.7	43.4	50.4	59.8	69.3	76.6	74.8	67.5	54.0	45.3	34.5	54.2
2000	37.2	42.6	46.5	54.1	67.7	74.2	77.5	79.2	72.7	57.4	38.2	34.7	56.8
2001	32.3	38.2	41.9	55.6	62.9	72.1	80.1	74.4	70.8	58.7	48.8	34.4	55.9
2002	34.9	35.8	42.1	56.7	65.1	75.1	74.0	77.1	64.7	52.8	39.7	34.7	54.4
Average	35.4	38.8	45.9	54.4	64.4	72.9	78.1	75.7	68.7	56.2	43.3	36.0	55.8

Appendix B

Monthly Temperature Calendars

January Temperature Calendar
 Agricultural Science Center at Tucumcari, N.M., 1913–2002
 Temperatures in Fahrenheit

<p>1 Avg. High 48 Highest 69 Year 1997</p> <p>Avg. Low 23 Lowest -17 Year 1919</p>	<p>2 Avg. High 50 Highest 76 Year 1997</p> <p>Avg. Low 23 Lowest -10 Year 1979</p>	<p>3 Avg. High 50 Highest 78 Year 1997</p> <p>Avg. Low 22 Lowest -1 Year 1959*</p>	<p>4 Avg. High 49 Highest 76 Year 1927</p> <p>Avg. Low 22 Lowest -10 Year 1959</p>	<p>5 Avg. High 52 Highest 79 Year 1927</p> <p>Avg. Low 23 Lowest -8 Year 1971</p>	<p>6 Avg. High 51 Highest 75 Year 1927</p> <p>Avg. Low 23 Lowest -2 Year 1913</p>
<p>7 Avg. High 48 Highest 73 Year 1969*</p> <p>Avg. Low 21 Lowest -6 Year 1913</p>	<p>8 Avg. High 51 Highest 78 Year 1948</p> <p>Avg. Low 22 Lowest -7 Year 1913</p>	<p>9 Avg. High 51 Highest 75 Year 2002</p> <p>Avg. Low 23 Lowest -6 Year 1977</p>	<p>10 Avg. High 51 Highest 75 Year 2002</p> <p>Avg. Low 23 Lowest -3 Year 1918</p>	<p>11 Avg. High 52 Highest 78 Year 1990</p> <p>Avg. Low 22 Lowest -6 Year 1962</p>	<p>12 Avg. High 52 Highest 75 Year 1999*</p> <p>Avg. Low 23 Lowest -13 Year 1963</p>
<p>13 Avg. High 53 Highest 74 Year 2000*</p> <p>Avg. Low 24 Lowest -22 Year 1963</p>	<p>14 Avg. High 54 Highest 75 Year 1996</p> <p>Avg. Low 24 Lowest -7 Year 1963</p>	<p>15 Avg. High 53 Highest 74 Year 1974</p> <p>Avg. Low 24 Lowest 0 Year 1925</p>	<p>16 Avg. High 53 Highest 79 Year 1974</p> <p>Avg. Low 24 Lowest -7 Year 1930</p>	<p>17 Avg. High 52 Highest 80 Year 1974</p> <p>Avg. Low 24 Lowest -7 Year 1930</p>	<p>18 Avg. High 52 Highest 79 Year 1974</p> <p>Avg. Low 23 Lowest -8 Year 1943</p>
<p>19 Avg. High 51 Highest 72 Year 1999</p> <p>Avg. Low 24 Lowest -7 Year 1943</p>	<p>20 Avg. High 51 Highest 78 Year 1986</p> <p>Avg. Low 22 Lowest -3 Year 1930</p>	<p>21 Avg. High 50 Highest 80 Year 1950</p> <p>Avg. Low 22 Lowest -2 Year 1987</p>	<p>22 Avg. High 51 Highest 75 Year 1967</p> <p>Avg. Low 24 Lowest -3 Year 1966</p>	<p>23 Avg. High 53 Highest 78 Year 1972</p> <p>Avg. Low 23 Lowest 1 Year 1963*</p>	<p>24 Avg. High 54 Highest 76 Year 1970</p> <p>Avg. Low 24 Lowest 1 Year 1929</p>
<p>25 Avg. High 55 Highest 76 Year 1999</p> <p>Avg. Low 25 Lowest 5 Year 1966</p>	<p>26 Avg. High 54 Highest 78 Year 1975</p> <p>Avg. Low 24 Lowest 4 Year 1963</p>	<p>27 Avg. High 54 Highest 76 Year 1975</p> <p>Avg. Low 25 Lowest 0 Year 1963</p>	<p>28 Avg. High 55 Highest 73 Year 1998</p> <p>Avg. Low 25 Lowest 0 Year 1948</p>	<p>29 Avg. High 55 Highest 75 Year 1986*</p> <p>Avg. Low 25 Lowest -5 Year 1949</p>	<p>30 Avg. High 54 Highest 80 Year 1971</p> <p>Avg. Low 24 Lowest -2 Year 1949</p>
<p>31 Avg. High 53 Highest 77 Year 1971</p> <p>Avg. Low 24 Lowest 0 Year 1918</p>	<p>*Record also occurred in earlier years.</p>				

February Temperature Calendar
 Agricultural Science Center at Tucumcari, New Mexico, 1913–2002
 Temperatures in Fahrenheit

<p>1</p> <p>Avg. High 53 Highest 83 Year 1963</p> <p>Avg. Low 24 Lowest -13 Year 1951</p>	<p>2</p> <p>Avg. High 55 Highest 77 Year 1934</p> <p>Avg. Low 24 Lowest -6 Year 1951</p>	<p>3</p> <p>Avg. High 55 Highest 80 Year 1934</p> <p>Avg. Low 24 Lowest 0 Year 1989</p>	<p>4</p> <p>Avg. High 55 Highest 77 Year 1925</p> <p>Avg. Low 27 Lowest -1 Year 1989</p>	<p>5</p> <p>Avg. High 55 Highest 77 Year 1963</p> <p>Avg. Low 26 Lowest -2 Year 1989*</p>	<p>6</p> <p>Avg. High 55 Highest 74 Year 1950</p> <p>Avg. Low 25 Lowest -7 Year 1933</p>
<p>7</p> <p>Avg. High 55 Highest 77 Year 1963</p> <p>Avg. Low 25 Lowest -16 Year 1933</p>	<p>8</p> <p>Avg. High 55 Highest 80 Year 1957</p> <p>Avg. Low 25 Lowest -13 Year 1933</p>	<p>9</p> <p>Avg. High 55 Highest 79 Year 2000</p> <p>Avg. Low 25 Lowest -10 Year 1929</p>	<p>10</p> <p>Avg. High 56 Highest 79 Year 1962*</p> <p>Avg. Low 26 Lowest -4 Year 1933</p>	<p>11</p> <p>Avg. High 58 Highest 83 Year 1962</p> <p>Avg. Low 27 Lowest -4 Year 1986</p>	<p>12</p> <p>Avg. High 57 Highest 82 Year 1962</p> <p>Avg. Low 26 Lowest -2 Year 1986</p>
<p>13</p> <p>Avg. High 57 Highest 80 Year 1979</p> <p>Avg. Low 27 Lowest 3 Year 1948</p>	<p>14</p> <p>Avg. High 58 Highest 80 Year 1979</p> <p>Avg. Low 29 Lowest 11 Year 1963*</p>	<p>15</p> <p>Avg. High 58 Highest 78 Year 1979</p> <p>Avg. Low 27 Lowest 8 Year 1936</p>	<p>16</p> <p>Avg. High 57 Highest 78 Year 2000</p> <p>Avg. Low 27 Lowest 8 Year 1936</p>	<p>17</p> <p>Avg. High 57 Highest 80 Year 1970</p> <p>Avg. Low 28 Lowest -2 Year 1942</p>	<p>18</p> <p>Avg. High 59 Highest 78 Year 1970</p> <p>Avg. Low 28 Lowest 1 Year 1942</p>
<p>19</p> <p>Avg. High 58 Highest 79 Year 1981</p> <p>Avg. Low 28 Lowest 5 Year 1918</p>	<p>20</p> <p>Avg. High 57 Highest 81 Year 1981</p> <p>Avg. Low 29 Lowest 6 Year 1955</p>	<p>21</p> <p>Avg. High 59 Highest 80 Year 1981</p> <p>Avg. Low 29 Lowest 8 Year 1955</p>	<p>22</p> <p>Avg. High 59 Highest 80 Year 2000</p> <p>Avg. Low 28 Lowest 6 Year 1971</p>	<p>23</p> <p>Avg. High 60 Highest 78 Year 1996*</p> <p>Avg. Low 28 Lowest 4 Year 1960</p>	<p>24</p> <p>Avg. High 59 Highest 83 Year 2002</p> <p>Avg. Low 28 Lowest 2 Year 1965</p>
<p>25</p> <p>Avg. High 59 Highest 82 Year 2002</p> <p>Avg. Low 29 Lowest 4 Year 1960</p>	<p>26</p> <p>Avg. High 59 Highest 83 Year 1989</p> <p>Avg. Low 29 Lowest 6 Year 2002</p>	<p>27</p> <p>Avg. High 59 Highest 78 Year 1986</p> <p>Avg. Low 29 Lowest 5 Year 1922</p>	<p>28</p> <p>Avg. High 58 Highest 81 Year 1932</p> <p>Avg. Low 29 Lowest -5 Year 1922</p>	<p>29</p> <p>Avg. High 62 Highest 81 Year 1940</p> <p>Avg. Low 31 Lowest 12 Year 1996</p>	

*Record also occurred in earlier years.

March Temperature Calendar
 Agricultural Science Center at Tucumcari, New Mexico, 1913–2002
 Temperatures in Fahrenheit

<p>1 Avg. High 59 Highest 82 Year 1974</p> <p>Avg. Low 30 Lowest 1 Year 1922</p>	<p>2 Avg. High 61 Highest 82 Year 1974</p> <p>Avg. Low 31 Lowest 3 Year 1943</p>	<p>3 Avg. High 60 Highest 82 Year 1972</p> <p>Avg. Low 29 Lowest 3 Year 1917</p>	<p>4 Avg. High 59 Highest 80 Year 1972*</p> <p>Avg. Low 29 Lowest 10 Year 1960</p>	<p>5 Avg. High 60 Highest 83 Year 1925</p> <p>Avg. Low 29 Lowest -3 Year 1948</p>	<p>6 Avg. High 60 Highest 85 Year 1972*</p> <p>Avg. Low 29 Lowest 5 Year 1948</p>
<p>7 Avg. High 61 Highest 83 Year 1972</p> <p>Avg. Low 29 Lowest 1 Year 1947</p>	<p>8 Avg. High 62 Highest 81 Year 1916</p> <p>Avg. Low 30 Lowest 9 Year 1967</p>	<p>9 Avg. High 64 Highest 81 Year 1989*</p> <p>Avg. Low 31 Lowest 7 Year 1922</p>	<p>10 Avg. High 62 Highest 87 Year 1989</p> <p>Avg. Low 32 Lowest 5 Year 1948</p>	<p>11 Avg. High 63 Highest 89 Year 1989</p> <p>Avg. Low 33 Lowest 0 Year 1948</p>	<p>12 Avg. High 63 Highest 92 Year 1989</p> <p>Avg. Low 32 Lowest 7 Year 1956*</p>
<p>13 Avg. High 64 Highest 87 Year 1989</p> <p>Avg. Low 32 Lowest 9 Year 1950</p>	<p>14 Avg. High 65 Highest 83 Year 1972</p> <p>Avg. Low 33 Lowest 13 Year 1988</p>	<p>15 Avg. High 64 Highest 80 Year 1972*</p> <p>Avg. Low 32 Lowest 15 Year 1962*</p>	<p>16 Avg. High 64 Highest 83 Year 1921</p> <p>Avg. Low 32 Lowest 13 Year 1956</p>	<p>17 Avg. High 65 Highest 85 Year 1974</p> <p>Avg. Low 33 Lowest 9 Year 1923</p>	<p>18 Avg. High 65 Highest 85 Year 1974</p> <p>Avg. Low 33 Lowest 13 Year 1965</p>
<p>19 Avg. High 65 Highest 83 Year 1974*</p> <p>Avg. Low 34 Lowest 13 Year 1965</p>	<p>20 Avg. High 66 Highest 85 Year 1995*</p> <p>Avg. Low 34 Lowest 8 Year 1965</p>	<p>21 Avg. High 65 Highest 85 Year 1997</p> <p>Avg. Low 34 Lowest 12 Year 1989</p>	<p>22 Avg. High 67 Highest 87 Year 1995</p> <p>Avg. Low 35 Lowest 15 Year 1955</p>	<p>23 Avg. High 68 Highest 82 Year 1999</p> <p>Avg. Low 35 Lowest 13 Year 1952</p>	<p>24 Avg. High 68 Highest 82 Year 2002*</p> <p>Avg. Low 36 Lowest 17 Year 1974*</p>
<p>25 Avg. High 66 Highest 86 Year 1998</p> <p>Avg. Low 34 Lowest 14 Year 1996</p>	<p>26 Avg. High 65 Highest 90 Year 1971</p> <p>Avg. Low 34 Lowest 11 Year 1931</p>	<p>27 Avg. High 66 Highest 87 Year 1971*</p> <p>Avg. Low 36 Lowest 13 Year 1955</p>	<p>28 Avg. High 67 Highest 89 Year 1963</p> <p>Avg. Low 36 Lowest 15 Year 1944</p>	<p>29 Avg. High 66 Highest 87 Year 1943</p> <p>Avg. Low 36 Lowest 7 Year 1926</p>	<p>30 Avg. High 66 Highest 89 Year 1913</p> <p>Avg. Low 35 Lowest 8 Year 1987</p>
<p>31 Avg. High 68 Highest 92 Year 1946</p> <p>Avg. Low 37 Lowest 22 Year 1962</p>	<p>*Record also occurred in earlier years</p>				

April Temperature Calendar
Agricultural Science Center at Tucumcari, New Mexico, 1913–2002
Temperatures in Fahrenheit

<p>1</p> <p>Avg. High 69 Highest 90 Year 1946</p> <p>Avg. Low 38 Lowest 15 Year 1936</p>	<p>2</p> <p>Avg. High 71 Highest 90 Year 1946</p> <p>Avg. Low 40 Lowest 22 Year 1988</p>	<p>3</p> <p>Avg. High 68 Highest 89 Year 1943*</p> <p>Avg. Low 38 Lowest 12 Year 1920</p>	<p>4</p> <p>Avg. High 68 Highest 88 Year 1967</p> <p>Avg. Low 37 Lowest 21 Year 1945</p>	<p>5</p> <p>Avg. High 70 Highest 89 Year 1960</p> <p>Avg. Low 38 Lowest 17 Year 1983</p>	<p>6</p> <p>Avg. High 71 Highest 92 Year 1972</p> <p>Avg. Low 39 Lowest 20 Year 1938</p>
<p>7</p> <p>Avg. High 71 Highest 89 Year 1978*</p> <p>Avg. Low 39 Lowest 22 Year 1916</p>	<p>8</p> <p>Avg. High 70 Highest 90 Year 1989</p> <p>Avg. Low 39 Lowest 14 Year 1973</p>	<p>9</p> <p>Avg. High 70 Highest 90 Year 1930</p> <p>Avg. Low 39 Lowest 22 Year 1973</p>	<p>10</p> <p>Avg. High 71 Highest 92 Year 1972</p> <p>Avg. Low 39 Lowest 21 Year 1952</p>	<p>11</p> <p>Avg. High 70 Highest 90 Year 1972</p> <p>Avg. Low 40 Lowest 21 Year 1951</p>	<p>12</p> <p>Avg. High 70 Highest 89 Year 1971</p> <p>Avg. Low 40 Lowest 21 Year 1997</p>
<p>13</p> <p>Avg. High 72 Highest 90 Year 1936</p> <p>Avg. Low 41 Lowest 20 Year 1933</p>	<p>14</p> <p>Avg. High 73 Highest 90 Year 1936</p> <p>Avg. Low 41 Lowest 24 Year 1945</p>	<p>15</p> <p>Avg. High 74 Highest 92 Year 1925</p> <p>Avg. Low 42 Lowest 26 Year 1945</p>	<p>16</p> <p>Avg. High 75 Highest 92 Year 1937*</p> <p>Avg. Low 42 Lowest 25 Year 1921</p>	<p>17</p> <p>Avg. High 75 Highest 91 Year 1948*</p> <p>Avg. Low 43 Lowest 24 Year 1944</p>	<p>18</p> <p>Avg. High 74 Highest 93 Year 1948</p> <p>Avg. Low 43 Lowest 23 Year 1953</p>
<p>19</p> <p>Avg. High 75 Highest 92 Year 2000*</p> <p>Avg. Low 44 Lowest 27 Year 1953</p>	<p>20</p> <p>Avg. High 75 Highest 90 Year 1954</p> <p>Avg. Low 43 Lowest 25 Year 1966</p>	<p>21</p> <p>Avg. High 75 Highest 95 Year 1989</p> <p>Avg. Low 44 Lowest 29 Year 1920</p>	<p>22</p> <p>Avg. High 76 Highest 97 Year 1989*</p> <p>Avg. Low 45 Lowest 30 Year 1982*</p>	<p>23</p> <p>Avg. High 75 Highest 94 Year 1989</p> <p>Avg. Low 44 Lowest 28 Year 1995</p>	<p>24</p> <p>Avg. High 75 Highest 95 Year 1943</p> <p>Avg. Low 44 Lowest 27 Year 1967</p>
<p>25</p> <p>Avg. High 76 Highest 94 Year 1996</p> <p>Avg. Low 45 Lowest 29 Year 1921</p>	<p>26</p> <p>Avg. High 75 Highest 92 Year 1927</p> <p>Avg. Low 45 Lowest 29 Year 1932*</p>	<p>27</p> <p>Avg. High 75 Highest 90 Year 2000*</p> <p>Avg. Low 45 Lowest 30 Year 1997*</p>	<p>28</p> <p>Avg. High 75 Highest 93 Year 1996</p> <p>Avg. Low 45 Lowest 31 Year 1917</p>	<p>29</p> <p>Avg. High 77 Highest 94 Year 1943</p> <p>Avg. Low 46 Lowest 32 Year 1994*</p>	<p>30</p> <p>Avg. High 76 Highest 91 Year 1927</p> <p>Avg. Low 46 Lowest 27 Year 1960</p>

*Record also occurred in earlier years.

May Temperature Calendar
 Agricultural Science Center at Tucumcari, New Mexico, 1913–2002
 Temperatures in Fahrenheit

<p>1 Avg. High 76 Highest 93 Year 1992*</p> <p>Avg. Low 46 Lowest 29 Year 1929</p>	<p>2 Avg. High 77 Highest 94 Year 2001*</p> <p>Avg. Low 46 Lowest 30 Year 1967</p>	<p>3 Avg. High 76 Highest 96 Year 1947</p> <p>Avg. Low 46 Lowest 27 Year 1954</p>	<p>4 Avg. High 78 Highest 98 Year 1947</p> <p>Avg. Low 48 Lowest 31 Year 1935</p>	<p>5 Avg. High 80 Highest 95 Year 2000*</p> <p>Avg. Low 49 Lowest 32 Year 1917</p>	<p>6 Avg. High 78 Highest 98 Year 2000</p> <p>Avg. Low 48 Lowest 25 Year 1917</p>
<p>7 Avg. High 79 Highest 98 Year 2000</p> <p>Avg. Low 49 Lowest 31 Year 1938</p>	<p>8 Avg. High 80 Highest 97 Year 1996</p> <p>Avg. Low 49 Lowest 34 Year 1984</p>	<p>9 Avg. High 80 Highest 97 Year 1996*</p> <p>Avg. Low 49 Lowest 35 Year 1981*</p>	<p>10 Avg. High 78 Highest 96 Year 1996</p> <p>Avg. Low 50 Lowest 31 Year 1930</p>	<p>11 Avg. High 79 Highest 99 Year 2000</p> <p>Avg. Low 49 Lowest 34 Year 1918</p>	<p>12 Avg. High 80 Highest 98 Year 1956</p> <p>Avg. Low 49 Lowest 34 Year 1966</p>
<p>13 Avg. High 80 Highest 95 Year 1996*</p> <p>Avg. Low 49 Lowest 35 Year 1953</p>	<p>14 Avg. High 80 Highest 96 Year 1952</p> <p>Avg. Low 50 Lowest 33 Year 1953</p>	<p>15 Avg. High 81 Highest 99 Year 1996</p> <p>Avg. Low 51 Lowest 32 Year 1945</p>	<p>16 Avg. High 82 Highest 100 Year 2000*</p> <p>Avg. Low 52 Lowest 40 Year 1983</p>	<p>17 Avg. High 82 Highest 100 Year 1996*</p> <p>Avg. Low 52 Lowest 38 Year 1986*</p>	<p>18 Avg. High 81 Highest 98 Year 1934</p> <p>Avg. Low 52 Lowest 34 Year 1986*</p>
<p>19 Avg. High 83 Highest 99 Year 1996</p> <p>Avg. Low 53 Lowest 34 Year 1971</p>	<p>20 Avg. High 83 Highest 99 Year 1996</p> <p>Avg. Low 54 Lowest 37 Year 1960</p>	<p>21 Avg. High 83 Highest 96 Year 1998*</p> <p>Avg. Low 53 Lowest 35 Year 1931</p>	<p>22 Avg. High 82 Highest 99 Year 1989</p> <p>Avg. Low 53 Lowest 35 Year 1930</p>	<p>23 Avg. High 83 Highest 100 Year 1996</p> <p>Avg. Low 53 Lowest 41 Year 1924</p>	<p>24 Avg. High 83 Highest 103 Year 2000</p> <p>Avg. Low 54 Lowest 40 Year 1971</p>
<p>25 Avg. High 84 Highest 100 Year 2000</p> <p>Avg. Low 54 Lowest 40 Year 2002</p>	<p>26 Avg. High 84 Highest 100 Year 1953</p> <p>Avg. Low 54 Lowest 40 Year 1950</p>	<p>27 Avg. High 84 Highest 97 Year 1974</p> <p>Avg. Low 54 Lowest 41 Year 1965</p>	<p>28 Avg. High 84 Highest 100 Year 1938</p> <p>Avg. Low 54 Lowest 41 Year 1992*</p>	<p>29 Avg. High 84 Highest 100 Year 1938</p> <p>Avg. Low 55 Lowest 37 Year 1947</p>	<p>30 Avg. High 85 Highest 100 Year 2000</p> <p>Avg. Low 55 Lowest 41 Year 1975</p>
<p>31 Avg. High 85 Highest 102 Year 2000</p> <p>Avg. Low 56 Lowest 42 Year 1983</p>	<p>*Record also occurred in earlier years.</p>				

June Temperature Calendar
Agricultural Science Center at Tucumcari, New Mexico, 1913–2002
Temperatures in Fahrenheit

1 Avg. High 84 Highest 102 Year 2002 Avg. Low 56 Lowest 37 Year 1919	2 Avg. High 85 Highest 102 Year 1998 Avg. Low 56 Lowest 42 Year 1919	3 Avg. High 85 Highest 104 Year 1998 Avg. Low 56 Lowest 44 Year 1962	4 Avg. High 85 Highest 101 Year 1933 Avg. Low 56 Lowest 43 Year 1937	5 Avg. High 87 Highest 102 Year 1946 Avg. Low 57 Lowest 45 Year 1950	6 Avg. High 87 Highest 104 Year 1990 Avg. Low 57 Lowest 39 Year 1915
7 Avg. High 88 Highest 103 Year 1990 Avg. Low 58 Lowest 45 Year 1983	8 Avg. High 90 Highest 105 Year 1981 Avg. Low 58 Lowest 43 Year 1991	9 Avg. High 89 Highest 106 Year 1981 Avg. Low 58 Lowest 44 Year 1974	10 Avg. High 88 Highest 102 Year 2002* Avg. Low 58 Lowest 42 Year 1955	11 Avg. High 89 Highest 104 Year 1981 Avg. Low 59 Lowest 43 Year 1975	12 Avg. High 89 Highest 103 Year 1934 Avg. Low 59 Lowest 47 Year 1928
13 Avg. High 89 Highest 103 Year 1916 Avg. Low 60 Lowest 42 Year 1947	14 Avg. High 91 Highest 108 Year 1939 Avg. Low 60 Lowest 47 Year 1983	15 Avg. High 91 Highest 106 Year 1939 Avg. Low 60 Lowest 47 Year 1981	16 Avg. High 91 Highest 105 Year 1977 Avg. Low 61 Lowest 51 Year 1982*	17 Avg. High 92 Highest 107 Year 1977 Avg. Low 61 Lowest 50 Year 1997	18 Avg. High 92 Highest 105 Year 1977* Avg. Low 62 Lowest 51 Year 1920
19 Avg. High 92 Highest 103 Year 2002* Avg. Low 61 Lowest 48 Year 1970	20 Avg. High 92 Highest 105 Year 2002 Avg. Low 62 Lowest 48 Year 1946	21 Avg. High 92 Highest 106 Year 1981 Avg. Low 63 Lowest 51 Year 1926*	22 Avg. High 92 Highest 105 Year 1996* Avg. Low 62 Lowest 49 Year 1921	23 Avg. High 93 Highest 105 Year 1980* Avg. Low 63 Lowest 49 Year 1989	24 Avg. High 93 Highest 106 Year 1978 Avg. Low 63 Lowest 52 Year 1973
25 Avg. High 93 Highest 109 Year 1990 Avg. Low 64 Lowest 53 Year 1967*	26 Avg. High 94 Highest 107 Year 1994 Avg. Low 63 Lowest 48 Year 1958	27 Avg. High 94 Highest 107 Year 1980 Avg. Low 65 Lowest 54 Year 1969	28 Avg. High 94 Highest 108 Year 1998* Avg. Low 64 Lowest 55 Year 1992*	29 Avg. High 94 Highest 108 Year 1957* Avg. Low 64 Lowest 55 Year 1967	30 Avg. High 93 Highest 107 Year 1998 Avg. Low 64 Lowest 53 Year 1967

*Record also occurred in earlier years.

July Temperature Calendar
 Agricultural Science Center at Tucumcari, New Mexico, 1913–2002
 Temperatures in Fahrenheit

<p>1 Avg. High 93 Highest 105 Year 1994</p> <p>Avg. Low 64 Lowest 54 Year 1995*</p>	<p>2 Avg. High 93 Highest 107 Year 1994</p> <p>Avg. Low 64 Lowest 53 Year 1983</p>	<p>3 Avg. High 94 Highest 106 Year 1957</p> <p>Avg. Low 65 Lowest 52 Year 1985</p>	<p>4 Avg. High 93 Highest 105 Year 1994</p> <p>Avg. Low 64 Lowest 54 Year 1997*</p>	<p>5 Avg. High 93 Highest 104 Year 1966</p> <p>Avg. Low 64 Lowest 52 Year 1995</p>	<p>6 Avg. High 94 Highest 105 Year 1992*</p> <p>Avg. Low 64 Lowest 55 Year 1997</p>
<p>7 Avg. High 94 Highest 107 Year 1992</p> <p>Avg. Low 65 Lowest 56 Year 1997</p>	<p>8 Avg. High 94 Highest 105 Year 1992</p> <p>Avg. Low 65 Lowest 56 Year 1937</p>	<p>9 Avg. High 93 Highest 106 Year 1940</p> <p>Avg. Low 65 Lowest 57 Year 1965</p>	<p>10 Avg. High 94 Highest 106 Year 1940</p> <p>Avg. Low 65 Lowest 57 Year 1961</p>	<p>11 Avg. High 94 Highest 105 Year 1915</p> <p>Avg. Low 65 Lowest 56 Year 1999</p>	<p>12 Avg. High 93 Highest 104 Year 1934</p> <p>Avg. Low 65 Lowest 56 Year 1982</p>
<p>13 Avg. High 93 Highest 106 Year 1934</p> <p>Avg. Low 65 Lowest 55 Year 1987*</p>	<p>14 Avg. High 93 Highest 107 Year 1934</p> <p>Avg. Low 65 Lowest 55 Year 1994</p>	<p>15 Avg. High 93 Highest 104 Year 1964</p> <p>Avg. Low 64 Lowest 57 Year 1990</p>	<p>16 Avg. High 94 Highest 101 Year 2001*</p> <p>Avg. Low 65 Lowest 58 Year 1992</p>	<p>17 Avg. High 94 Highest 104 Year 1978</p> <p>Avg. Low 65 Lowest 57 Year 1953</p>	<p>18 Avg. High 93 Highest 104 Year 1925</p> <p>Avg. Low 65 Lowest 56 Year 1992</p>
<p>19 Avg. High 93 Highest 105 Year 1925</p> <p>Avg. Low 65 Lowest 56 Year 1960</p>	<p>20 Avg. High 92 Highest 105 Year 1951*</p> <p>Avg. Low 65 Lowest 53 Year 1913</p>	<p>21 Avg. High 92 Highest 105 Year 1951</p> <p>Avg. Low 64 Lowest 56 Year 1988</p>	<p>22 Avg. High 91 Highest 104 Year 1981</p> <p>Avg. Low 65 Lowest 57 Year 1919</p>	<p>23 Avg. High 92 Highest 103 Year 2001</p> <p>Avg. Low 65 Lowest 57 Year 1973</p>	<p>24 Avg. High 93 Highest 105 Year 1937</p> <p>Avg. Low 64 Lowest 57 Year 1915*</p>
<p>25 Avg. High 93 Highest 104 Year 1940</p> <p>Avg. Low 65 Lowest 57 Year 1996*</p>	<p>26 Avg. High 93 Highest 106 Year 1940</p> <p>Avg. Low 65 Lowest 56 Year 1965*</p>	<p>27 Avg. High 94 Highest 104 Year 1995</p> <p>Avg. Low 65 Lowest 53 Year 1965</p>	<p>28 Avg. High 93 Highest 107 Year 1995</p> <p>Avg. Low 65 Lowest 56 Year 1963</p>	<p>29 Avg. High 94 Highest 104 Year 1944</p> <p>Avg. Low 65 Lowest 57 Year 1963</p>	<p>30 Avg. High 93 Highest 103 Year 1969</p> <p>Avg. Low 65 Lowest 55 Year 1974*</p>
<p>31 Avg. High 93 Highest 106 Year 1934</p> <p>Avg. Low 65 Lowest 55 Year 1925</p>	<p>*Record also occurred in earlier years.</p>				

August Temperature Calendar
 Agricultural Science Center at Tucumcari, New Mexico, 1913–2002
 Temperatures in Fahrenheit

<p>1 Avg. High 94 Highest 107 Year 1944</p> <p>Avg. Low 65 Lowest 56 Year 1971*</p>	<p>2 Avg. High 93 Highest 105 Year 1944</p> <p>Avg. Low 65 Lowest 55 Year 1965</p>	<p>3 Avg. High 92 Highest 107 Year 1944*</p> <p>Avg. Low 64 Lowest 54 Year 1965</p>	<p>4 Avg. High 93 Highest 105 Year 1944</p> <p>Avg. Low 65 Lowest 56 Year 1979</p>	<p>5 Avg. High 93 Highest 103 Year 2000*</p> <p>Avg. Low 64 Lowest 54 Year 1949</p>	<p>6 Avg. High 94 Highest 103 Year 1964*</p> <p>Avg. Low 64 Lowest 55 Year 1971*</p>
<p>7 Avg. High 93 Highest 103 Year 1951*</p> <p>Avg. Low 64 Lowest 52 Year 1939</p>	<p>8 Avg. High 91 Highest 102 Year 1937</p> <p>Avg. Low 64 Lowest 56 Year 1990*</p>	<p>9 Avg. High 92 Highest 101 Year 1977*</p> <p>Avg. Low 64 Lowest 54 Year 1915</p>	<p>10 Avg. High 92 Highest 104 Year 1937</p> <p>Avg. Low 64 Lowest 51 Year 1967</p>	<p>11 Avg. High 91 Highest 102 Year 1947*</p> <p>Avg. Low 64 Lowest 55 Year 1931</p>	<p>12 Avg. High 91 Highest 103 Year 1943*</p> <p>Avg. Low 63 Lowest 53 Year 1967</p>
<p>13 Avg. High 92 Highest 105 Year 1936</p> <p>Avg. Low 63 Lowest 53 Year 1967</p>	<p>14 Avg. High 92 Highest 104 Year 1936</p> <p>Avg. Low 63 Lowest 53 Year 1967</p>	<p>15 Avg. High 91 Highest 102 Year 2000</p> <p>Avg. Low 63 Lowest 53 Year 1967*</p>	<p>16 Avg. High 92 Highest 101 Year 2000*</p> <p>Avg. Low 63 Lowest 52 Year 1967</p>	<p>17 Avg. High 91 Highest 102 Year 1951*</p> <p>Avg. Low 63 Lowest 55 Year 1950</p>	<p>18 Avg. High 91 Highest 107 Year 1994</p> <p>Avg. Low 63 Lowest 50 Year 1957</p>
<p>19 Avg. High 91 Highest 107 Year 1994</p> <p>Avg. Low 63 Lowest 55 Year 1965</p>	<p>20 Avg. High 91 Highest 102 Year 1930</p> <p>Avg. Low 63 Lowest 52 Year 1956</p>	<p>21 Avg. High 91 Highest 102 Year 1986*</p> <p>Avg. Low 63 Lowest 50 Year 1956</p>	<p>22 Avg. High 91 Highest 101 Year 1930</p> <p>Avg. Low 62 Lowest 53 Year 1966</p>	<p>23 Avg. High 90 Highest 100 Year 1922</p> <p>Avg. Low 62 Lowest 51 Year 1966</p>	<p>24 Avg. High 90 Highest 102 Year 1922</p> <p>Avg. Low 62 Lowest 51 Year 1964</p>
<p>25 Avg. High 90 Highest 102 Year 1922</p> <p>Avg. Low 62 Lowest 50 Year 1964</p>	<p>26 Avg. High 90 Highest 99 Year 2000*</p> <p>Avg. Low 62 Lowest 52 Year 1992</p>	<p>27 Avg. High 90 Highest 104 Year 2002</p> <p>Avg. Low 62 Lowest 50 Year 1987</p>	<p>28 Avg. High 89 Highest 101 Year 1922</p> <p>Avg. Low 62 Lowest 49 Year 1964</p>	<p>29 Avg. High 89 Highest 100 Year 2000*</p> <p>Avg. Low 61 Lowest 49 Year 1988*</p>	<p>30 Avg. High 90 Highest 100 Year 1943*</p> <p>Avg. Low 62 Lowest 51 Year 1987*</p>
<p>31 Avg. High 89 Highest 100 Year 1922</p> <p>Avg. Low 61 Lowest 50 Year 1955</p>	<p>*Record also occurred in earlier years.</p>				

September Temperature Calendar
Agricultural Science Center at Tucumcari, New Mexico, 1913–2002
Temperatures in Fahrenheit

<p>1 Avg. High 89 Highest 100 Year 1922</p> <p>Avg. Low 61 Lowest 49 Year 1956</p>	<p>2 Avg. High 90 Highest 102 Year 1947</p> <p>Avg. Low 61 Lowest 48 Year 1934</p>	<p>3 Avg. High 89 Highest 102 Year 1947</p> <p>Avg. Low 61 Lowest 50 Year 1993*</p>	<p>4 Avg. High 89 Highest 102 Year 2000</p> <p>Avg. Low 60 Lowest 36 Year 1961</p>	<p>5 Avg. High 89 Highest 103 Year 1948</p> <p>Avg. Low 60 Lowest 49 Year 1961*</p>	<p>6 Avg. High 89 Highest 104 Year 1995</p> <p>Avg. Low 60 Lowest 48 Year 1956</p>
<p>7 Avg. High 88 Highest 102 Year 2000</p> <p>Avg. Low 60 Lowest 48 Year 1956</p>	<p>8 Avg. High 88 Highest 99 Year 1922</p> <p>Avg. Low 59 Lowest 43 Year 1941</p>	<p>9 Avg. High 87 Highest 97 Year 2000</p> <p>Avg. Low 59 Lowest 42 Year 1929</p>	<p>10 Avg. High 86 Highest 96 Year 2000*</p> <p>Avg. Low 58 Lowest 48 Year 1944*</p>	<p>11 Avg. High 87 Highest 100 Year 2000</p> <p>Avg. Low 58 Lowest 45 Year 1924</p>	<p>12 Avg. High 86 Highest 98 Year 1974</p> <p>Avg. Low 58 Lowest 39 Year 1913</p>
<p>13 Avg. High 86 Highest 98 Year 1956</p> <p>Avg. Low 56 Lowest 41 Year 1989*</p>	<p>14 Avg. High 85 Highest 99 Year 1956</p> <p>Avg. Low 56 Lowest 39 Year 1989</p>	<p>15 Avg. High 84 Highest 99 Year 1956</p> <p>Avg. Low 56 Lowest 41 Year 1957*</p>	<p>16 Avg. High 83 Highest 98 Year 1997*</p> <p>Avg. Low 56 Lowest 38 Year 1951</p>	<p>17 Avg. High 85 Highest 100 Year 2000</p> <p>Avg. Low 56 Lowest 32 Year 1965</p>	<p>18 Avg. High 87 Highest 100 Year 2000</p> <p>Avg. Low 57 Lowest 37 Year 1971</p>
<p>19 Avg. High 85 Highest 98 Year 1997*</p> <p>Avg. Low 55 Lowest 37 Year 1971</p>	<p>20 Avg. High 84 Highest 98 Year 1956</p> <p>Avg. Low 55 Lowest 39 Year 1971</p>	<p>21 Avg. High 82 Highest 95 Year 2001*</p> <p>Avg. Low 54 Lowest 34 Year 1965</p>	<p>22 Avg. High 81 Highest 96 Year 1930</p> <p>Avg. Low 53 Lowest 35 Year 1995</p>	<p>23 Avg. High 81 Highest 94 Year 2000*</p> <p>Avg. Low 53 Lowest 38 Year 1985</p>	<p>24 Avg. High 80 Highest 98 Year 1982</p> <p>Avg. Low 52 Lowest 36 Year 1926</p>
<p>25 Avg. High 80 Highest 97 Year 1998</p> <p>Avg. Low 50 Lowest 32 Year 2000</p>	<p>26 Avg. High 80 Highest 97 Year 1953</p> <p>Avg. Low 51 Lowest 30 Year 1970</p>	<p>27 Avg. High 80 Highest 97 Year 1953</p> <p>Avg. Low 50 Lowest 32 Year 1936</p>	<p>28 Avg. High 82 Highest 97 Year 2001</p> <p>Avg. Low 51 Lowest 31 Year 1945</p>	<p>29 Avg. High 82 Highest 97 Year 1994</p> <p>Avg. Low 51 Lowest 33 Year 1999*</p>	<p>30 Avg. High 81 Highest 97 Year 1994</p> <p>Avg. Low 51 Lowest 34 Year 1985*</p>

*Record also occurred in earlier years.

October Temperature Calendar
Agricultural Science Center at Tucumcari, New Mexico, 1913–2002
Temperatures in Fahrenheit

<p>1 Avg. High 81 Highest 94 Year *2000</p> <p>Avg. Low 52 Lowest 35 Year 1985</p>	<p>2 Avg. High 81 Highest 96 Year 2000</p> <p>Avg. Low 51 Lowest 35 Year 1985</p>	<p>3 Avg. High 80 Highest 96 Year 2000</p> <p>Avg. Low 51 Lowest 38 Year 1961</p>	<p>4 Avg. High 80 Highest 97 Year 2000</p> <p>Avg. Low 49 Lowest 35 Year 1932</p>	<p>5 Avg. High 80 Highest 91 Year *2001</p> <p>Avg. Low 50 Lowest 33 Year 1985</p>	<p>6 Avg. High 77 Highest 93 Year 1928</p> <p>Avg. Low 48 Lowest 35 Year *1998</p>
<p>7 Avg. High 78 Highest 95 Year 1979</p> <p>Avg. Low 48 Lowest 33 Year 1948</p>	<p>8 Avg. High 78 Highest 94 Year 1979</p> <p>Avg. Low 48 Lowest 28 Year 1970</p>	<p>9 Avg. High 78 Highest 93 Year 1979</p> <p>Avg. Low 47 Lowest 29 Year 1970</p>	<p>10 Avg. High 77 Highest 91 Year 1953</p> <p>Avg. Low 47 Lowest 33 Year 1913</p>	<p>11 Avg. High 77 Highest 92 Year 1962</p> <p>Avg. Low 46 Lowest 29 Year 1970</p>	<p>12 Avg. High 77 Highest 91 Year 1979</p> <p>Avg. Low 47 Lowest 30 Year 1946</p>
<p>13 Avg. High 77 Highest 92 Year 1950</p> <p>Avg. Low 47 Lowest 23 Year 1969</p>	<p>14 Avg. High 76 Highest 92 Year 1989</p> <p>Avg. Low 45 Lowest 30 Year *1969</p>	<p>15 Avg. High 76 Highest 91 Year 1989</p> <p>Avg. Low 45 Lowest 28 Year 1966</p>	<p>16 Avg. High 75 Highest 92 Year 1968</p> <p>Avg. Low 44 Lowest 31 Year *1976</p>	<p>17 Avg. High 73 Highest 90 Year *1991</p> <p>Avg. Low 44 Lowest 26 Year 1948</p>	<p>18 Avg. High 73 Highest 89 Year 2001</p> <p>Avg. Low 43 Lowest 25 Year 1925</p>
<p>19 Avg. High 73 Highest 88 Year 1995</p> <p>Avg. Low 42 Lowest 25 Year 1916</p>	<p>20 Avg. High 72 Highest 87 Year 1975</p> <p>Avg. Low 42 Lowest 29 Year 1976</p>	<p>21 Avg. High 72 Highest 90 Year 1921</p> <p>Avg. Low 43 Lowest 27 Year 1990</p>	<p>22 Avg. High 71 Highest 87 Year *1995</p> <p>Avg. Low 42 Lowest 26 Year *1996</p>	<p>23 Avg. High 71 Highest 89 Year 1999</p> <p>Avg. Low 41 Lowest 20 Year 1929</p>	<p>24 Avg. High 71 Highest 84 Year 1915</p> <p>Avg. Low 41 Lowest 25 Year *1955</p>
<p>25 Avg. High 71 Highest 92 Year 1959</p> <p>Avg. Low 40 Lowest 25 Year *1997</p>	<p>26 Avg. High 71 Highest 90 Year 1979</p> <p>Avg. Low 41 Lowest 25 Year 1997</p>	<p>27 Avg. High 71 Highest 89 Year 1979</p> <p>Avg. Low 41 Lowest 17 Year 1925</p>	<p>28 Avg. High 70 Highest 90 Year 1922</p> <p>Avg. Low 39 Lowest 13 Year 1917</p>	<p>29 Avg. High 69 Highest 90 Year 1950</p> <p>Avg. Low 39 Lowest 18 Year *1991</p>	<p>30 Avg. High 68 Highest 87 Year 1950</p> <p>Avg. Low 38 Lowest 12 Year 1993</p>
<p>31 Avg. High 67 Highest 85 Year 1950</p> <p>Avg. Low 38 Lowest 15 Year 1991</p>	<p>*Record also occurred in earlier years.</p>				

November Temperature Calendar
 Agricultural Science Center at Tucumcari, New Mexico, 1913–2002
 Temperatures in Fahrenheit

<p>1 Avg. High 68 Highest 85 Year 2001</p> <p>Avg. Low 38 Lowest 16 Year 1991</p>	<p>2 Avg. High 65 Highest 85 Year 1994</p> <p>Avg. Low 36 Lowest 6 Year 1951</p>	<p>3 Avg. High 63 Highest 82 Year 1924*</p> <p>Avg. Low 35 Lowest 4 Year 1991</p>	<p>4 Avg. High 65 Highest 85 Year 1916*</p> <p>Avg. Low 36 Lowest 17 Year 1991</p>	<p>5 Avg. High 65 Highest 85 Year 1916</p> <p>Avg. Low 36 Lowest 20 Year 1959</p>	<p>6 Avg. High 66 Highest 85 Year 1980</p> <p>Avg. Low 36 Lowest 15 Year 1938</p>
<p>7 Avg. High 65 Highest 85 Year 1980</p> <p>Avg. Low 36 Lowest 19 Year 1947*</p>	<p>8 Avg. High 65 Highest 87 Year 1980</p> <p>Avg. Low 35 Lowest 12 Year 2000</p>	<p>9 Avg. High 65 Highest 82 Year 1927</p> <p>Avg. Low 35 Lowest 18 Year 2000</p>	<p>10 Avg. High 65 Highest 81 Year 1927</p> <p>Avg. Low 34 Lowest 9 Year 1950</p>	<p>11 Avg. High 65 Highest 82 Year 1956</p> <p>Avg. Low 34 Lowest 13 Year 1919</p>	<p>12 Avg. High 64 Highest 85 Year 1973</p> <p>Avg. Low 33 Lowest 6 Year 1940</p>
<p>13 Avg. High 64 Highest 82 Year 1995*</p> <p>Avg. Low 34 Lowest 3 Year 1916</p>	<p>14 Avg. High 64 Highest 82 Year 1999</p> <p>Avg. Low 33 Lowest 11 Year 1959</p>	<p>15 Avg. High 63 Highest 81 Year 1963</p> <p>Avg. Low 34 Lowest 18 Year 1916</p>	<p>16 Avg. High 61 Highest 83 Year 1990</p> <p>Avg. Low 33 Lowest 11 Year 1955</p>	<p>17 Avg. High 62 Highest 82 Year 1966</p> <p>Avg. Low 33 Lowest 12 Year 1959</p>	<p>18 Avg. High 61 Highest 82 Year 1999</p> <p>Avg. Low 32 Lowest 13 Year 1937*</p>
<p>19 Avg. High 60 Highest 79 Year 1942</p> <p>Avg. Low 31 Lowest 17 Year 1948*</p>	<p>20 Avg. High 60 Highest 85 Year 1996</p> <p>Avg. Low 31 Lowest 18 Year 1945</p>	<p>21 Avg. High 58 Highest 82 Year 1996</p> <p>Avg. Low 30 Lowest 6 Year 1929</p>	<p>22 Avg. High 60 Highest 82 Year 1924</p> <p>Avg. Low 30 Lowest 5 Year 1947</p>	<p>23 Avg. High 59 Highest 81 Year 1998</p> <p>Avg. Low 30 Lowest 5 Year 1957</p>	<p>24 Avg. High 59 Highest 79 Year 1981*</p> <p>Avg. Low 31 Lowest 14 Year 1950</p>
<p>25 Avg. High 58 Highest 80 Year 1960</p> <p>Avg. Low 31 Lowest 10 Year 1993</p>	<p>26 Avg. High 59 Highest 79 Year 1995</p> <p>Avg. Low 30 Lowest 0 Year 1952</p>	<p>27 Avg. High 57 Highest 80 Year 1949</p> <p>Avg. Low 29 Lowest 4 Year 1952</p>	<p>28 Avg. High 55 Highest 82 Year 1998</p> <p>Avg. Low 26 Lowest -2 Year 1976</p>	<p>29 Avg. High 56 Highest 79 Year 1966</p> <p>Avg. Low 27 Lowest 2 Year 1976</p>	<p>30 Avg. High 58 Highest 78 Year 1973</p> <p>Avg. Low 27 Lowest 11 Year 1944</p>

*Record also occurred in earlier years.

December Temperature Calendar
 Agricultural Science Center at Tucumcari, New Mexico, 1913–2002
 Temperatures in Fahrenheit

<p>1 Avg. High 57 Highest 76 Year 1995*</p> <p>Avg. Low 29 Lowest 11 Year 1985</p>	<p>2 Avg. High 57 Highest 74 Year 1999*</p> <p>Avg. Low 29 Lowest 11 Year 1985*</p>	<p>3 Avg. High 58 Highest 77 Year 1995</p> <p>Avg. Low 28 Lowest 12 Year 1985*</p>	<p>4 Avg. High 58 Highest 79 Year 1958</p> <p>Avg. Low 28 Lowest 15 Year 1964*</p>	<p>5 Avg. High 57 Highest 79 Year 1987</p> <p>Avg. Low 29 Lowest 8 Year 1984</p>	<p>6 Avg. High 55 Highest 77 Year 1939</p> <p>Avg. Low 27 Lowest 1 Year 1972</p>
<p>7 Avg. High 54 Highest 77 Year 1933</p> <p>Avg. Low 26 Lowest 2 Year 1927</p>	<p>8 Avg. High 52 Highest 78 Year 1970</p> <p>Avg. Low 26 Lowest 2 Year 1978</p>	<p>9 Avg. High 53 Highest 74 Year 1970</p> <p>Avg. Low 25 Lowest -10 Year 1978</p>	<p>10 Avg. High 53 Highest 78 Year 1975</p> <p>Avg. Low 25 Lowest 5 Year 1978*</p>	<p>11 Avg. High 53 Highest 81 Year 1939</p> <p>Avg. Low 26 Lowest 6 Year 1943</p>	<p>12 Avg. High 54 Highest 76 Year 1995</p> <p>Avg. Low 24 Lowest -6 Year 1961</p>
<p>13 Avg. High 52 Highest 72 Year 1995*</p> <p>Avg. Low 24 Lowest 3 Year 1963</p>	<p>14 Avg. High 51 Highest 75 Year 1946</p> <p>Avg. Low 24 Lowest 6 Year 1963</p>	<p>15 Avg. High 53 Highest 77 Year 1946</p> <p>Avg. Low 24 Lowest -6 Year 1987</p>	<p>16 Avg. High 53 Highest 73 Year 1929</p> <p>Avg. Low 23 Lowest 1 Year 1987</p>	<p>17 Avg. High 52 Highest 82 Year 1980</p> <p>Avg. Low 22 Lowest 0 Year 1932</p>	<p>18 Avg. High 52 Highest 80 Year 1980</p> <p>Avg. Low 23 Lowest -2 Year 1924</p>
<p>19 Avg. High 52 Highest 74 Year 1980</p> <p>Avg. Low 24 Lowest -2 Year 1924</p>	<p>20 Avg. High 52 Highest 75 Year 1981*</p> <p>Avg. Low 23 Lowest 5 Year 1929*</p>	<p>21 Avg. High 52 Highest 72 Year 1981*</p> <p>Avg. Low 23 Lowest 0 Year 1990</p>	<p>22 Avg. High 52 Highest 76 Year 1964</p> <p>Avg. Low 24 Lowest -6 Year 1990</p>	<p>23 Avg. High 51 Highest 77 Year 1955</p> <p>Avg. Low 24 Lowest -12 Year 1990</p>	<p>24 Avg. High 51 Highest 77 Year 1955</p> <p>Avg. Low 23 Lowest -13 Year 1918</p>
<p>25 Avg. High 52 Highest 76 Year 1955</p> <p>Avg. Low 23 Lowest -8 Year 1918</p>	<p>26 Avg. High 50 Highest 74 Year 1971</p> <p>Avg. Low 23 Lowest 1 Year 1962*</p>	<p>27 Avg. High 51 Highest 73 Year 1980</p> <p>Avg. Low 23 Lowest -3 Year 1924</p>	<p>28 Avg. High 52 Highest 74 Year 1980</p> <p>Avg. Low 24 Lowest -3 Year 1939</p>	<p>29 Avg. High 53 Highest 71 Year 1945</p> <p>Avg. Low 24 Lowest -5 Year 1983</p>	<p>30 Avg. High 51 Highest 74 Year 1980</p> <p>Avg. Low 23 Lowest 0 Year 1990*</p>
<p>31 Avg. High 50 Highest 75 Year 1998</p> <p>Avg. Low 21 Lowest -18 Year 1918</p>	<p>* Record also occurred in earlier years.</p>				

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