U.S. DEPARTMENT OF COMMERCE, WEATHER BUREAU IN COOPERATION WITH
UTAH COMMITTEE ON INDUSTRIAL AND EMPLOYMENT PLANNING AND
UNIVERSITY OF UTAH BUREAU OF ECONOMIC AND BUSINESS RESEARCH
CLIMATOGRAPHY OF THE UNITED STATES 20 -- 42

LATITUDE 40° 59'
LONGITUDE 111° 54'
ELEV. (GROUND) 4,267 Feet

CLIMATOLOGICAL SUMMARY

STATION

FARMINGTON, UTAH

MEANS AND EXTREMES FOR PERIOD 1926-1955

Month	Temperature (°F) Means: Daily maximum	Daily minimum	Monthly	Extremes: Record highest	Year	Record lowest	Year	** Mean degree days	Precipitation Totals (Inches): Mean	Greatest daily	Year	Snow, Sleet: Mean	Maximum monthly	Year	Greatest daily	Year	Mean number of days: Precip. .10 inch or more	Temperatures: Max. 90° and above	Max. 32° and below	Min. 32° and below	Min. 0° and below	Month
(a)	29	29	29	29		29		##	29	29		29	29		29		29	29	29	29	29	
Jan.	37.5	18.4	28.0	62	1953	-20	1937	1147	2.19	2.60	1953	21.8	56.8	1937	14.0	1955	6	0	9	29	2	Jan.
Feb.	43.9	23.7	33.8	72	1951	-20	1933	874	1.88	1.25	1955	10.1	28.5	1952	8.6	1949	5	0	3	24	1	Feb.
Mar.	52.8	29.7	41.3	79	1928	6	1952	735	2.07	1.55	1938	9.7	46.0	1952	11.5	1952	6	0	2	20	0	Mar.
April	63.9	37.5	50.7	86	1946	12	1936	429	2.34	1.85	1953	4.0	28.0	1953	26.0	1953	5	0	0	8	0	April
May	73.2	44.6	58.9	96	1954	28	1946+	235	1.85	1.93	1946	0.1	1.5	1950	1.5	1950	4	1	0	1	0	May
June	81.8	51.0	66.4	102	1940	33	1954	95	1.28	2.01	1948	0	0		0		3	7	0	0	0	June
July	92.0	59.1	75.6	106	1931	42	1950+	0	.54	1.15	1941	0	0		0		2	22	0	0	0	July
Aug.	90.0	57.4	73.7	102	1954+	37	1932	0	1.05	1.80	1945	0	0		0		3	18	0	0	0	Aug.
Sept.	80.7	47.8	64.3	99	1948	30	1954+	85	.92	2.42	1926	0	0		0		2	5	0	*	0	Sept.
Oct.	67.9	38.8	53.4	89	1947	20	1953	365	1.62	2.10	1937	0.2	4.5	1943	4.5	1943	4	0	0	5	0	Oct.
Nov.	51.0	28.3	39.7	77	1947	-8	1955	759	1.91	1.46	1954	4.9	15.5	1947	8.0	1946	4	0	1	22	*	Nov.
Dec.	41.0	22.4	31.7	68	1946	-16	1932	1032	1.87	1.27	1942	12.8	36.3	1932	12.0	1952	5	0	5	27	1	Dec.
Year	64.6	38.2	51.4	106	July 1931	-20	Jan. '37 Feb. '33	5756	19.52	2.60	Jan. 1953	63.6	56.8	Jan. 1937	26.0	April 1953	49	53	20	136	4	Year

Estimated from monthly means using Weather Bureau Formula

(a) Average length of record, years.

+ Also on earlier dates, months, or years.

T Trace, an amount too small to measure.

* Less than one half.

** Base 65°F

CLIMATE OF FARMINGTON, UTAH

Farmington, county seat of Davis County, is located in northern Utah on a narrow, flat plain between the Great Salt Lake and the Wasatch Mountains. The Great Salt Lake, which has an average maximum length of 75 miles and an average maximum width of 50 miles, lies three miles to the west. This large body of water, which never freezes over due to its high salt content, provides a moderating effect on temperatures, particularly during the summer and winter seasons. About two miles to the east the Wasatch Range rises abruptly to over 5,000 feet above the station. Due to the proximity of these mountains, several inches more precipitation per year falls along the eastern edge of the city than over the valley a few miles to the west.

Farmington has a semi-arid continental climate with four well defined seasons. Summers are characterized by hot, dry weather; but the high temperatures are not oppressive since the relative humidity is generally low. Too, afternoon and evening thundershowers occasionally bring some relief from the heat during this season. The average daily temperature range is about 32 degrees in summer; and even after the hottest days, nights are usually cool. Temperatures above 101° in summer are likely to occur in about one season out of four.

Winters are cold, but usually not severe. The Rocky Mountains to the east and northeast act as a barrier to invasions of cold continental air masses. Thus, extended periods of extremely cold weather at Farmington are rare. The average annual snowfall is 64 inches, but as much as 152 inches have fallen in a single winter season.

Precipitation, relatively light during the summer and early fall, reaches a maximum in spring when storms from the Pacific Ocean moving into the area are more intense than at other seasons of the year. Precipitation in July, the driest month, averages slightly over one-half inch; but it averages about one inch or more for the other eleven months.

Winds are generally light to moderate in all seasons, normally ranging below 20 miles per hour. The strong, damaging winds that do occasionally occur are usually associated with easterly winds blowing out of the canyons of the Wasatch Mountains, or with local thundershowers. Hail, although normally small in size, occasionally causes some damage to crops and property during the spring and summer months.

The growing season, or freeze-free period, averages about 5-1/2 months in length and extends from late April to mid-October.

Following are the tables of miscellaneous phenomena not included in the climatological summary table:

Average Dates of Occurrences of Various Temperature Values:

Temperature Equal to or Lower Than:	Average Dates of Occurrence: Last in Spring	First in Fall	Length of Period, Days
32°	April 29	October 14	168
28°	April 11	October 24	196
24°	March 30	November 7	222
20°	March 16	November 19	248
16°	March 1	November 28	272

Extremes of Temperature and Precipitation which have occurred and which exceed those appearing in the table include:

Minimum Temperature:	Greatest Daily Precipitation:
1° in March 1922	1.44 inches in February 1905
26° in May 1916/	1.70 inches in March 1891
30° in June 1908/	2.37 inches in April 1957
36° in July 1921	1.67 inches in July 1922
36° in August 1904	2.73 inches in October 1916
27° in September 1908	1.60 inches in December 1923
16° in October 1919	

Greatest and least monthly precipitation totals and median precipitation for the period of record prior to 1956 are as follows: (The median value is such that more precipitation was recorded half the time and less the other half).

Month	Greatest	Year	Least	Year	Median
January	5.90	1918	.16	1919	1.98
February	5.26	1907	.03	1894	1.84
March	5.68	1891	.36	1955	2.01
April	5.29	1953	.28	1907	2.05
May	5.18	1908	.02	1934	1.89
June	3.51	1945/	0	1893	.75
July	2.33	1914	0	1927/	.43
August	4.76	1945	0	1915/	.63
September	3.26	1918	T	1932/	.89
October	5.59	1916	0	1952/	1.44
November	4.30	1927	0	1904/	1.73
December	5.72	1924	.33	1900	1.92
Annual	27.17	1916	12.41	1890	20.17

Average Temperature (°F)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1926	27.3	36.7	43.4	54.1	60.0	69.6	74.4	72.0	59.8	52.0	43.1	---	---
1927	---	37.8	41.8	49.0	55.6	67.1	75.3	71.4	62.8	54.2	45.8	28.0	---
1928	29.4	35.2	44.9	47.6	62.6	63.8	74.4	71.0	64.0	52.0	39.5	26.8	50.9
1929	25.3	25.7	39.8	47.4	58.1	64.2	76.6	74.6	59.8	52.8	36.8	36.5	49.8
1930	22.8	39.4	42.6	---	55.5	66.7	76.2	73.3	62.8	48.7	34.0	20.8	---
1931	21.6	33.6	40.4	50.6	57.8	71.6	79.0	74.8	64.4	54.6	35.8	26.4	50.9
1932	21.8	32.1	39.5	49.6	57.4	65.6	74.0	72.2	63.6	50.2	43.2	21.8	49.2
1933	27.7	20.8	39.5	49.0	52.8	73.6	78.0	71.2	65.8	57.0	41.1	37.0	51.1
1934	33.6	42.3	49.8	57.2	66.7	66.4	76.9	76.0	62.6	55.3	43.1	31.6	55.1
1935	33.0	38.2	41.2	51.2	56.3	67.8	76.8	74.8	67.2	51.6	36.9	31.7	52.2
1936	29.6	34.2	41.8	53.9	62.4	70.2	77.4	74.4	61.6	53.0	36.0	33.7	52.4
1937	15.9	29.6	41.2	47.2	61.3	65.7	75.8	74.8	66.8	54.6	43.8	36.6	51.1
1938	35.6	37.8	40.7	51.0	55.6	68.7	73.2	73.2	68.4	53.2	33.2	34.5	52.1
1939	31.8	25.7	42.1	53.4	61.1	65.2	74.9	73.8	64.2	52.4	43.7	37.2	52.1
1940	31.8	38.4	45.6	51.8	64.5	70.6	77.0	76.4	65.6	55.4	36.2	33.0	53.9
1941	31.5	38.4	43.8	47.1	60.4	64.5	73.8	72.0	59.9	50.2	40.2	35.6	51.4
1942	22.6	26.5	36.8	51.8	54.0	64.8	77.2	73.5	64.2	53.8	42.0	34.0	50.1
1943	32.5	35.4	41.4	55.9	56.6	64.4	75.4	75.3	67.4	55.4	41.4	33.2	52.9
1944	21.2	---	37.4	47.0	59.5	62.6	73.7	73.1	64.2	57.2	39.1	31.4	---
1945	33.8	36.7	39.8	46.1	59.9	60.4	75.8	73.2	61.2	56.1	40.8	32.0	51.3
1946	27.8	35.1	44.1	54.2	57.3	68.6	76.1	75.0	64.4	48.8	40.6	37.9	52.5
1947	24.9	40.2	46.6	48.7	63.0	63.3	76.1	72.0	65.5	56.7	35.2	30.2	51.9
1948	30.4	33.1	35.6	50.3	58.8	66.2	73.0	74.7	66.8	54.2	36.4	27.4	50.6
1949	14.4	25.7	42.5	54.6	61.1	66.7	76.0	75.0	66.9	49.1	45.2	30.6	50.6
1950	27.7	36.8	41.9	49.6	55.1	66.2	73.1	72.3	63.2	57.9	40.4	35.3	51.6
1951	30.0	36.8	38.2	51.6	59.1	62.9	74.6	71.9	63.8	51.1	37.3	28.5	50.5
1952	28.2	30.1	34.3	52.6	60.1	67.4	73.4	74.9	66.4	56.2	35.3	32.0	50.9
1953	38.9	37.0	43.8	46.8	52.1	66.0	77.3	74.5	67.1	53.0	44.5	30.6	52.6
1954	34.5	36.3	40.0	54.6	62.0	65.4	77.6	72.9	65.5	53.6	44.4	32.2	53.2
1955	22.0	25.4	38.0	47.0	59.9	66.3	74.5	76.2	61.2	52.0	35.3	35.1	49.4
1956	35.2	27.3	43.9	50.5	61.6	70.5	76.9	72.8	68.4	53.7	35.5	---	---
1957	27.2	41.3	43.9	49.7	58.0	67.6	75.3	74.9	63.3	51.8	34.4	32.8	51.7
1958	29.5	40.5	38.2	45.7	64.0	70.6	74.1	76.3	65.0	55.8	37.8	35.6	52.8

Total Precipitation (Inches)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1926	1.65	4.32	0.88	1.95	2.79	0.15	2.03	1.53	2.67	0.77	2.10	1.10	21.94
1927	1.22	2.37	2.39	2.24	3.83	0.75	0.00	0.53	2.31	1.23	4.30	1.47	22.64
1928	1.09	0.35	2.87	1.78	1.96	0.52	0.75	0.26	0.10	1.23	2.23	1.19	14.33
1929	2.36	2.05	3.25	4.06	0.17	0.75	0.50	0.10	2.86	0.88	0.05	0.63	17.66
1930	2.45	2.54	1.51	2.10#	2.71	0.87	1.42	3.34	2.31	2.33	1.40	0.74	23.72
1931	0.86	0.96	1.73	1.57	1.89	0.04	0.50	1.07	0.47	0.82	1.76	2.01	13.68
1932	2.08	2.19	2.02	3.65	1.28	1.53	0.30	2.44	T	0.25	1.05	2.37	19.16
1933	2.59	1.45	1.54	1.88	3.06	T	0.08	0.99	0.29	0.59	0.30	0.75	13.52
1934	2.33	2.73	0.81	0.65	0.02	1.00	1.07	0.21	0.76	1.28	3.25	2.63	16.74
1935	0.66	1.28	1.87	2.45	4.03	0.14	T	0.50	0.33	0.36	1.51	1.58	14.71
1936	4.27	4.66	1.26	1.04	0.85	2.00	1.16	0.95	0.15	2.68	1.50	2.87	23.39
1937	2.96	2.64	1.41	2.23	1.23	0.06	0.68	0.60	1.10	2.95	1.26	2.10	19.22
1938	0.79	1.31	5.24	2.05	1.80	0.86	0.57	0.13	0.32	3.04	2.07	2.65	20.83
1939	2.15	1.14	1.18	1.67	1.30	1.94	0.17	0.19	1.24	1.74	T	0.98	13.70
1940	4.57	3.59	2.09	2.11	0.05	0.59	1.04	T	1.61	1.70	2.12	2.60	22.07
1941	2.46	2.07	2.69	4.34	1.74	2.43	1.74	1.02	0.67	2.59	2.17	2.84	26.76
1942	2.82	2.21	2.09	2.28	3.50	0.19	0.19	0.76	1.43	0.56	2.42	2.88	21.33
1943	0.97	1.93	1.15	1.45	0.58	3.42	0.13	0.63	0.05	4.12	0.18	1.22	15.83
1944	1.92	1.50#	3.10	5.02	1.77	3.41	0.14	0.03	0.67	0.13	2.19	1.34	21.22
1945	0.58	2.88	2.60	1.26	1.17	3.51	0.01	4.76	0.82	0.76	3.32	2.05	23.72
1946	1.45	0.17	1.65	1.99	3.97	0.09	0.24	0.46	0.45	5.36	2.50	1.68	20.01
1947	1.57	1.19	1.56	2.43	1.53	3.29	0.15	2.47	1.62	2.36	3.23	0.95	22.35
1948	0.68	1.21	2.53	2.06	1.01	3.08	0.23	0.30	1.03	1.84	1.75	3.11	18.83
1949	2.82	1.32	3.94	1.37	2.48	1.24	0.30	0.58	0.36	3.41	1.59	2.82	22.23
1950	2.09	1.43	2.01	1.13	3.38	0.24	0.52	T	0.89	0.71	3.23	1.82	17.45
1951	1.83	1.12	1.98	3.96	1.69	0.24	0.78	2.77	0.17	1.94	2.59	2.60	21.67
1952	3.94	1.83	3.93	2.45	1.19	1.53	0.25	1.64	0.11	0.00	1.45	1.86	20.18
1953	5.80	0.52	1.00	5.29	2.67	0.84	0.40	1.10	0.12	1.05	0.84	1.36	20.99
1954	1.20	0.61	1.56	1.12	0.92	1.83	0.09	1.71	0.99	0.94	2.70	1.55	15.22
1955	3.68	2.79	0.36	2.61	1.01	1.71	0.63	0.30	1.55	1.05	2.24	2.41	20.34
1956	3.25	1.04	0.20	1.69	3.36	0.56#	0.49	0.07	0.23	2.12	0.73	1.57	15.31
1957	1.57	1.46	2.76	3.97	5.27	2.04	0.35	1.75	0.40	1.57	1.38	2.52	25.04
1958	1.30	3.79	3.15	3.05	0.72	0.02	0.12	0.35	0.29	T	1.53	1.10	15.42

Interpolated

STATION HISTORY - FARMINGTON, UTAH

Weather records at Farmington date back to February, 1889, with the Army Signal Service recording observations of precipitation and maximum and minimum temperature at a location 0.3 mile NW of the Post Office (probably near the Lagoon Resort). These early records were very fragmentary and were finally discontinued in February, 1894. In February, 1900 Charles Boylin began recording measurements of precipitation at the Lagoon Resort, 0.3 mile NW of the Post Office. In November 1900 temperature equipment was added and Mr. Boylin continued the observations until June, 1919. After a short break in the record, Mr. J. A. Williamson acted as observer from August 1919 to January 1920.

In June 1920 the equipment was moved to the grounds of the Miller Floral Company located 0.5 mile SW of the Post Office, and Mr. Golden J. Barton became the official observer, continuing until his death in July 1953.

Since July 1953, various employees of the Miller Floral Company have recorded the observations and they are to be commended for the fine contribution they are making to a knowledge of the climate of the area.

Merle J. Brown, State Climatologist
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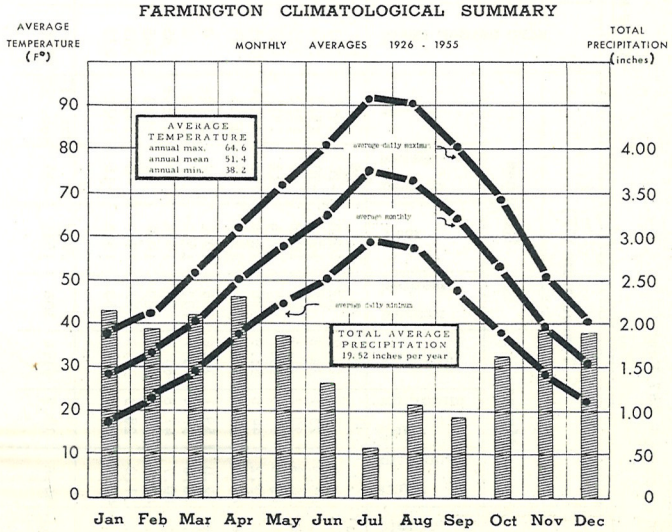
FARMINGTON CLIMATOLOGICAL SUMMARY