

LATITUDE 33° 36' N
 LONGITUDE 92° 04' W
 ELEV. (GROUND) 206 Ft.

CLIMATOLOGICAL SUMMARY

STATION WARREN, ARKANSAS

MEANS AND EXTREMES FOR PERIOD 1925 - 1954

Month	Temperature (°F)							Mean degree days (Base 65°)	Precipitation Totals (Inches)						Mean number of days					Month				
	Means			Extremes					Mean	Greatest daily	Year	Snow, Sleet, Hail			Precip. .10 inch or more	Temperatures								
	Daily maximum	Daily minimum	Monthly	Record highest	Year	Record lowest	Year					Mean	Maximum monthly	Year		Greatest daily	Year	90° and above	32° and below		32° and below	0° and below		
(a)	29	29	29	29		29		29	29															
Jan.	57.0	35.7	46.4	82	1950	-1	1930	585	5.54	5.60	1930	2.7	9.0	Dec. 1929	9.0	Dec. 1929	68	96	1	41	*			Jan.
Feb.	61.0	39.4	50.2	82	1954+	5	1951+	428	4.67	4.00	1935	0.3	4.0	1948	4.0	1948	7	0	*	*	7	0		Feb.
Mar.	68.1	44.9	56.5	91	1929	12	1943	308	5.97	5.65	1927	T	T	1942+	T	1942+	7	*	*	*	4	0		Mar.
Apr.	77.0	53.0	65.0	93	1943	28	1940	81	5.09	5.00	1928+	0	0		0		6	*	*	*	4	0		Apr.
May	83.7	60.5	72.1	101	1934	39	1954	4	4.67	5.01	1953	0	0		0		6	6	0	0	0	0		May
June	92.0	68.8	80.4	110	1936	50	1946	0	3.24	3.20	1937	0	0		0		5	21	0	0	0	0		June
July	94.4	71.7	83.1	108	1954+	52	1947	0	4.31	6.38	1940	0	0		0		6	26	0	0	0	0		July
Aug.	94.4	70.7	82.6	111	1936	53	1946	0	2.90	5.15	1944	0	0		0		4	25	0	0	0	0		Aug.
Sept.	88.7	64.1	76.4	107	1951+	31	1923	0	2.53	2.67	1952	0	0		0		4	15	0	0	0	0		Sept.
Oct.	79.2	53.1	66.2	98	1953	28	1953+	116	2.86	4.15	1949	0	0		0		4	3	0	0	1	0		Oct.
Nov.	65.7	42.4	54.1	88	1924	17	1950+	332	4.71	4.50	1925	0.2	6.5	1929	6.5	1929	6	0	0	0	5	0		Nov.
Dec.	57.3	36.4	46.9	84	1924	10	1953+	561	5.52	5.00	1931	0.5	9.0	1929	9.0	1929	6	0	*	*	11	0		Dec.
Year	76.5	53.4	65.0	111	Aug. 1936	-1	Jan. 1930	2423	52.01	6.38	July 1940	2.7	9.0	Dec. 1929	9.0	Dec. 1929	68	96	1	41	*			Year

(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.

CLIMATE OF WARREN, ARKANSAS

Warren is located in the flat, delta lowlands of Southeastern Arkansas. Most of the territory is heavily timbered. There is, however, considerable farming in the area. The land in the vicinity generally slopes gently from west to east with elevations of 250 feet five miles west of Warren, 200-210 feet in the City of Warren, and down to 125 feet in the Saline River bottoms, three miles east of the City.

The climate is favorable for the principal economic activities of the area. The long, warm summers, and relatively short, mild winters, together with abundant, well distributed precipitation, favors tree growth, encouraging reforestation. The long growing season, together with generally heavier amounts of precipitation in winter and early spring, and lighter amounts in the late summer and early fall, is favorable for the growth, and harvest of cotton, tomatoes, and other crops.

Annual precipitation averages 52 inches. Average monthly rain fall ranges from 2-1/2 to 3 inches from August to October, to 4-1/2 to 6 inches from November through May. Monthly precipitation has been as much as 16.75 inches in May, 1953, and 21.54 inches in December, 1931. Monthly totals have been as little as only a trace, too small to measure, in June, 1930 and October, 1934.

Daily rainfall of more than 5 inches is of infrequent occurrence. In the last 30 years the greatest daily rainfall was 6.38 inches on July 2, 1940. Prior to 1925, a 7.30 inch amount fell in 24-hours on September 9, 1907, and 8.30 inches in 24-hours January 22, 1906.

Snowfall is light, and snow cover does not remain for more than a few days. More than half the winters have no measurable snowfall. Greatest seasonal snowfall, 15.7 inches, occurred in the winter of 1929-30.

The winters are mild and damp. Extremely cold weather, with minimum temperatures below zero, have occurred only on three occasions in the last 62 years: on February 12-13, 1899 when the record low of -10° was registered on the 13th; on January 12-13, 1918 when a low of -8° was recorded on the 12th; and, on January 18, 1930 when the minimum was -1°.

Long, warm summers are the rule. Maximum temperatures of 90° or higher occur on the average of 96 days each year. Temperatures of 100° or higher occur during most summers, but protracted periods of 100° or higher usually do not occur. There are exceptions, however, such as in the summer of 1954 when there were 52 days

with readings of 100° or higher. Highest temperatures of record occurred in 1936 and 1918, when 111° was recorded August 10, 1936, and 110° on July 26, 1918 and June 20, 1936.

The growing season is long, as shown in the following table:

FREEZE DATA - WARREN, ARKANSAS

Temperature	Average Date	Average Date	Average Number of Days Between Temperature Values
	of Last in Spring	of First in Fall	
32° or below	March 19	November 12	238
28° or below	March 4	November 28	270
24° or below	February 12	December 10	301

In three of the last 30 years, the lowest temperature for the winter was above 24°. About 1/3 of the time the low for the winter remains above 20°.

Severe local storms occur infrequently. There have been three tornadoes in the area, however, one of which was outstanding. The first tornado occurred February 17, 1894 with one fatality and \$600 property damage. On January 3, 1949, one of the most devastating tornadoes of record anywhere struck the Warren area. It originated near Shreveport, Louisiana, and as it moved northeastward for 145 miles, there were 58 deaths, 439 injuries, and \$1,457,920 total property loss in the two States. The tornado struck west of Warren, then lifted and dropped on the northeastern side of the City. There were 55 deaths, 400 injuries, and 120 homes destroyed in the Warren area. On April 10, 1954, a tornado from Hermitage to Warren caused no deaths or injuries, but about \$15,000 property damage.

Weather Bureau Airport Station
 Little Rock, Arkansas
 November 17, 1955

Average Temperature (°F)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1925	44.5	53.2	59.1	70.4	70.7	83.6	84.6	83.2	83.8	83.0	85.8	42.2	66.0
1926	44.5	58.9	59.0	61.4	72.2	79.0	81.6	82.6	79.2	68.2	80.6	47.8	64.9
1927	44.0	58.4	58.8	68.4	75.2	79.1	81.8	79.8	77.0	66.8	80.7	44.9	66.1
1928	47.1	48.5	55.6	61.4	75.2	79.1	82.2	83.8	72.5	67.6	85.1	46.4	64.1
1929	46.0	40.5	50.2	67.4	71.0	80.2	82.4	81.8	75.0	65.1	81.0	48.4	64.1
1930	40.9	55.7	54.6	67.2	72.2	79.5	86.8	83.2	75.6	60.6	81.4	42.4	64.1
1931	48.1	51.9	50.6	62.7	69.0	81.0	81.4	77.8	78.6	69.6	80.8	50.5	64.7
1932	48.1	55.6	51.7	64.6	72.8	81.0	84.2	85.1	74.8	63.9	81.4	42.6	64.7
1933	52.8	45.6	57.5	65.6	75.6	80.2	82.7	80.6	79.9	65.2	84.9	56.4	64.7
1934	48.8	47.0	55.3	67.8	73.2	83.8	85.8	87.7	76.4	71.0	87.8	48.4	65.8
1935	48.6	52.1	64.8	65.1	70.8	79.0	84.9	85.0	77.2	67.2	82.5	40.6	64.1
1936	40.6	---	---	64.4	73.0	81.8	82.7	85.2	75.5	65.3	81.4	47.0	64.1
1937	---	---	---	64.6	73.5	81.0	81.7	82.5	75.5	65.3	81.4	47.0	64.1
1938	---	---	---	64.6	72.8	81.0	83.5	83.7	78.0	68.4	83.7	47.2	66.5
1939	48.0	50.0	58.8	62.0	71.4	80.2	82.8	81.6	80.8	66.6	81.6	50.2	65.4
1940	35.4	45.1	57.0	62.6	68.6	78.0	79.2	78.8	73.0	66.6	83.0	50.6	62.0
1941	48.5	42.6	51.6	66.2	73.2	78.8	82.7	82.5	79.0	72.1	82.3	48.6	64.9
1942	42.5	45.5	50.1	60.0	71.2	79.6	85.5	81.7	74.8	67.0	89.4	47.5	64.7
1943	45.8	52.4	51.8	65.9	75.8	82.8	85.1	86.8	75.8	64.0	85.4	46.0	65.3
1944	46.0	53.0	56.8	64.6	75.0	82.2	84.4	83.8	77.0	65.5	86.1	45.4	65.6
1945	45.6	50.5	58.8	65.6	68.6	78.7	80.0	80.8	77.9	63.0	89.9	45.4	64.8
1946	44.5	51.2	61.2	67.8	68.9	78.1	82.1	80.2	77.7	66.0	88.2	45.8	65.6
1947	44.9	41.9	48.8	65.6	70.6	79.6	80.4	86.8	77.7	71.0	80.6	49.1	64.0
1948	---	46.0	57.5	69.1	72.4	81.6	80.7	80.7	75.9	63.8	85.3	49.1	64.0
1949	47.0	51.4	55.2	63.5	74.6	80.5	85.2	79.5	72.9	62.7	85.5	49.9	65.1
1950	54.0	55.5	55.7	61.7	73.8	78.1	79.5	77.2	71.1	66.8	80.4	39.8	63.5
1951	48.5	49.8	57.2	60.2	71.6	78.1	82.7	84.8	74.9	66.8	80.1	49.4	63.5
1952	52.5	55.6	54.6	61.7	72.8	83.9	84.6	82.8	72.8	67.8	81.1	48.4	64.7
1953	51.1	48.1	56.7	60.8	72.3	82.7	80.0	80.0	75.6	65.5	81.3	46.3	64.5
1954	46.1	54.6	56.1	66.3	67.2	82.1	86.9	87.8	81.0	69.0	80.6	46.9	66.8

STATION HISTORY

The weather station at Warren, Arkansas, has been located in the City of Warren, latitude, 35°, 36' N; longitude, 92°, 04' W; elevations, 206 feet above mean sea level, from January 1, 1883 to date. Data on the individual locations are as follows:

1. January 1, 1883 - February 28, 1883:
J. F. Humby - observer.
2. February 27, 1886 - September 30, 1913:
W. J. Strang - observer. Station at top of low ridge sloping southeast.
3. October 1, 1913 - May 31, 1919:
R. R. Lusk - observer. Station in southeast side of town.
4. June 15, 1919 - July 31, 1923:
J. L. Clegg - observer. Station at observer's residence, 502 W. Pine St. Ground level at station, although general slope is to the east.

Total Precipitation (Inches)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1925	4.52	2.50	2.45	0.40	1.98	0.37	3.19	0.50	4.18	9.33	9.67	3.70	42.79
1926	3.82	2.10	7.75	3.25	3.92	3.50	3.02	2.15	2.05	6.98	4.08	8.50	49.86
1927	2.19	4.30	8.65	10.40	3.57	5.65	3.87	2.05	3.45	2.34	2.75	5.70	54.79
1928	1.20	2.19	3.72	10.47	1.74	5.46	3.96	1.55	1.50	6.44	3.75	4.58	46.52
1929	4.54	4.50	3.09	2.37	2.54	2.85	5.15	2.17	2.90	3.29	4.00	4.00	45.02
1930	12.10	4.11	3.48	0.70	13.89	T	0.80	2.95	3.94	6.40	5.37	5.31	59.00
1931	2.76	6.29	6.08	2.00	3.05	1.38	10.71	3.71	1.12	1.25	8.81	21.54	67.27
1932	14.32	6.30	3.98	1.80	2.00	2.24	6.70	0.55	1.46	1.40	3.80	5.28	54.57
1933	2.25	8.66	6.04	4.69	4.85	2.96	7.42	1.01	1.30	1.82	0.96	9.01	50.47
1934	5.18	4.75	8.51	3.35	4.35	5.22	1.11	3.76	2.88	T	8.74	6.20	54.01
1935	7.71	5.23	4.65	6.51	5.38	3.91	0.80	2.88	2.38	3.39	3.67	2.45	48.96
1936	3.39	---	---	2.55	3.87	0.79	7.80	0.79	2.72	---	---	---	---
1937	12.25	3.04	4.40	2.39	1.75	9.12	5.07	3.96	2.72	6.45	9.44	8.06	68.65
1938	6.01	2.78	4.32	6.52	1.78	5.62	6.08	1.64	0.49	0.37	3.99	5.29	40.89
1939	9.49	9.95	6.38	7.08	4.15	5.68	3.66	2.85	1.45	0.66	3.57	5.10	56.90
1940	0.64	2.85	3.42	5.71	3.30	6.23	14.79	3.15	0.88	0.57	8.75	5.12	55.39
1941	4.81	4.00	5.10	5.64	3.00	1.61	7.17	2.80	1.12	5.70	2.51	1.91	45.67
1942	0.80	2.47	4.32	8.87	4.89	3.09	0.21	4.78	0.35	1.32	1.50	5.96	38.25
1943	3.25	0.88	8.75	2.08	4.56	2.61	0.85	1.05	4.82	2.13	2.77	3.18	36.88
1944	4.87	10.89	9.27	6.22	12.71	1.15	1.07	8.31	1.90	0.39	3.70	14.37	74.95
1945	3.06	5.52	13.76	7.97	4.48	6.95	4.11	5.15	3.15	3.15	4.18	2.72	67.44
1946	11.10	6.13	8.29	2.41	9.18	0.88	3.38	3.23	0.52	2.25	7.23	3.58	67.68
1947	4.28	2.08	5.05	7.80	2.20	4.32	1.35	2.59	2.59	6.27	2.36	6.27	67.68
1948	4.38	6.44	8.46	6.00	3.86	1.58	4.48	1.59	2.59	3.58	3.57	3.58	67.68
1949	8.74	2.44	5.98	5.65	5.21	4.12	4.19	0.41	3.10	8.27	0.55	4.97	67.47
1950	9.63	4.15	12.13	5.64	4.11	2.24	6.44	11.44	5.35	1.21	1.17	2.92	68.44
1951	11.40	2.37	3.35	4.81	7.24	4.78	4.78	11.44	3.48	2.21	6.43	6.09	55.88
1952	3.37	7.35	3.59	4.27	3.48	0.83	1.75	1.89	4.98	0.14	3.68	4.47	67.68
1953	5.37	5.70	5.75	7.76	16.15	0.49	3.77	1.87	1.04	0.75	2.69	4.47	67.68
1954	6.89	1.76	1.99	6.71	4.17	1.33	1.52	0.65	1.43	1.78	3.01	2.22	35.02

STATION HISTORY - Cont'd.

5. August 1, 1923 - August 31, 1923:
Cecil Wallace - observer.
6. September 1, 1925 - December 31, 1925:
W. L. Hartsell - observer.
7. July 1, 1924 - August 31, 1926:
On northeast corner of Court House yard; observers were W. L. Shide, July 1, 1924 - March 31, 1925; Beverly Hoyle, April 1, 1925 - October 31, 1924; and, Sue Hoyle, November 1, 1924 - August 31, 1926.
8. April 1, 1937 - November 30, 1950:
C. H. Turner - observer. At City Ice Plant, 1000 feet south-west of Post Office.
9. December 1, 1950 - December 10, 1950:
At Cotton Oil Company plant, 1000 feet southwest of Post Office - Warren Cotton Oil & Manufacturing Company, observer.
10. December 11, 1950 - To date:
At observer's residence, (manager of Warren Cotton Oil & Manufacturing Company plant), 150 feet east of former location.