

Average Temperature (°F) SALEM, MISSOURI

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1931	29.1	45.3	43.7	59.1	64.5	71.1	80.2	76.3	69.8	53.7	45.7	35.0	55.7
1932	40.1	45.1	40.4	58.8	65.5	75.3	79.6	77.1	66.7	55.7	41.0	33.9	56.7
1933	42.9	33.8	44.7	55.2	66.5	76.2	77.8	75.0	74.3	56.2	46.5	41.2	57.2
1934	37.4	32.2	42.3	56.1	66.4	77.7	85.1	80.3	65.9	60.6	49.3	33.1	57.3
1935	35.7	38.7	51.9	52.6	61.5	69.0	76.8	76.4	66.8	56.7	42.9	30.5	55.2
1936	28.1	28.7	50.5	53.3	67.9	75.6	82.2	82.3	72.1	56.2	42.5	40.5	56.4
1937	32.7	33.6	40.8	53.0	65.1	73.9	76.4	79.0	78.0	55.8	41.6	32.4	58.6
1938	34.2	43.2	54.5	58.1	64.8	70.8	77.6	80.6	70.5	62.0	47.2	36.0	58.4
1939	34.8	35.0	47.9	53.7	65.9	73.1	77.8	73.8	70.1	60.3	42.9	38.8	57.1
1940	17.4	34.1	43.9	53.9	61.8	71.7	74.8	73.6	66.1	51.3	42.7	39.4	53.4
1941	36.1	32.8	40.1	58.3	65.7	72.0	78.9	78.9	70.7	58.7	45.8	39.4	57.0
1942	32.1	34.5	48.0	59.5	63.8	72.8	78.7	75.4	68.3	58.2	49.4	34.7	56.4
1943	34.1	41.0	40.3	54.0	63.1	72.3	75.8	75.0	65.1	58.3	44.2	34.0	55.5
1944	36.8	40.8	43.8	51.4	67.9	75.9	76.6	76.2	68.3	59.1	47.1	30.6	56.2
1945	31.5	37.6	53.9	57.0	61.1	70.2	74.9	77.5	69.9	60.8	46.7	30.7	55.6
1946	35.8	42.0	53.7	58.6	61.0	72.8	75.9	72.0	66.7	60.8	47.7	41.9	57.9
1947	34.8	30.0	38.0	56.0	63.7	72.3	72.8	82.3	70.7	60.4	42.5	39.7	56.1
1948	24.6	33.6	44.8	59.7	62.5	72.0	75.8	72.6	68.4	58.4	45.4	36.9	54.9
1949	32.5	37.0	42.2	53.3	66.8	73.3	77.8	72.6	61.4	58.3	46.7	38.3	55.1
1950	37.6	36.5	40.5	50.8	64.5	71.9	71.7	70.6	64.0	58.1	37.8	27.1	53.0
1951	32.0	35.0	40.1	53.8	63.2	72.8	76.5	74.9	67.4	58.1	37.0	33.9	53.0
1952	36.8	40.5	42.2	53.8	64.4	80.0	79.6	74.9	66.0	53.1	45.7	36.8	54.2
1953	36.0	40.5	47.9	50.0	65.4	80.0	78.9	75.2	66.0	53.7	46.1	35.4	57.0
1954	32.0	44.1	41.0	61.3	59.6	75.7	81.2	78.2	71.2	57.3	44.9	35.5	57.0
1955	32.9	34.6	45.2	60.9	65.4	67.5	78.7	75.6	69.5	55.8	42.2	32.0	55.1
1956	28.7	36.7	44.0	53.7	65.9	71.8	76.2	75.7	68.3	61.9	43.1	38.0	52.6
1957	27.8	39.8	41.5	55.1	64.9	72.4	75.9	74.3	65.0	52.8	40.2	40.2	54.5
1958	31.9	26.6	36.1	53.9	64.2	71.0	75.8	75.8	68.2	57.6	48.8	31.7	53.0
1959	27.8	35.9	44.8	55.7	68.0	72.0	74.9	78.2	69.0	55.8	38.7	38.1	55.0
1960	33.3	32.4	30.1	58.1	62.1	72.5	74.8	76.6	71.3	58.2	45.7	31.5	53.9

PROBABILITY OF FREEZES OCCURRING AS LATE IN THE SPRING OR AS EARLY

IN THE FALL AS DATES SHOWN IN THE FOLLOWING TABLE

Temperature As Cold As	SPRING MONTHS			FALL MONTHS		
	50%	20%	10%	50%	20%	10%
32°	Apr. 19	Apr. 29	May 4	Oct. 14	Oct. 4	Sept. 29
28°	Apr. 5	Apr. 15	Apr. 20	Oct. 28	Oct. 18	Oct. 12
24°	Mar. 24	Apr. 4	Apr. 11	Nov. 8	Oct. 30	Oct. 26
20°	Mar. 14	Mar. 24	Apr. 1	Nov. 19	Nov. 10	Nov. 5
16°	Mar. 3	Mar. 14	Mar. 21	Nov. 29	Nov. 18	Nov. 13

Total Precipitation (Inches)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1931	5.93	3.12	2.19	1.47	2.68	1.65	.79	2.17	3.44	3.04	2.08	1.53	30.09
1932	3.68	1.13	2.63	1.25	1.86	4.18	2.57	5.12	1.30	5.45	1.34	3.04	33.55
1933	1.80	1.79	2.53	4.30	9.21	.48	1.75	2.19	3.62	3.34	1.28	1.90	34.79
1934	1.43	1.59	3.19	4.08	3.20	2.00	.73	4.36	10.09	2.37	3.00	2.42	37.96
1935	2.32	1.43	7.34	2.70	5.28	12.85	3.43	3.42	3.13	3.77	3.98	1.09	50.69
1936	4.42	1.10	1.59	2.09	1.81	4.86	2.60	1.90	3.04	3.03	3.03	1.90	52.52
1937	6.01	1.61	1.81	3.03	4.81	2.62	2.10	.60	3.66	2.12	1.55	4.20	36.12
1938	3.20	4.34	3.50	3.88	7.68	6.12	4.84	1.30	2.62	1.03	6.43	2.29	49.83
1939	3.34	4.68	3.54	8.21	3.97	6.35	1.71	8.91	1.64	2.34	2.90	1.92	49.51
1940	1.08	1.22	3.88	7.02	2.78	4.96	.58	4.74	.58	2.55	5.16	3.52	38.07
1941	2.46	3.32	1.09	4.09	3.40	8.57	2.04	1.78	9.42	9.55	2.41	2.07	42.05
1942	2.22	3.63	1.81	2.76	7.60	5.26	2.69	1.71	3.37	3.72	4.46	8.50	49.71
1943	.12	3.36	4.28	4.11	8.50	5.84	1.50	2.78	3.38	3.74	1.38	1.71	38.67
1944	.54	3.36	2.90	3.81	8.18	1.04	2.24	4.51	3.51	.68	1.90	1.34	34.01
1945	1.08	5.19	10.30	9.74	4.83	10.80	2.47	.34	11.31	5.29	1.86	.72	63.75
1946	2.80	4.23	2.21	4.45	4.15	5.23	3.30	9.66	3.08	1.67	8.45	2.89	50.12
1947	1.27	2.87	2.42	2.72	4.38	2.69	2.89	1.93	2.81	3.96	2.75	2.76	38.88
1948	1.27	2.87	2.74	2.14	4.88	8.69	2.59	1.96	7.84	3.86	4.42	2.14	44.61
1949	0.00	3.52	3.90	1.37	3.58	6.43	3.28	3.54	7.08	8.53	.18	4.09	56.10
1950	7.33	2.62	3.19	3.85	8.21	9.73	2.66	5.23	1.88	.94	2.25	.89	42.78
1951	2.59	1.86	3.31	3.38	4.60	9.08	8.14	3.73	4.61	3.93	5.76	1.88	57.05
1952	1.08	1.86	4.07	4.58	7.82	.88	4.14	4.46	4.46	1.31	4.62	1.76	31.87
1953	1.53	1.80	3.85	3.78	2.82	.88	.31	.63	.81	1.88	1.29	1.73	19.15
1954	1.63	1.56	2.20	1.70	6.29	5.01	.81	6.45	1.83	6.19	1.25	5.34	40.24
1955	.64	3.56	4.24	1.65	6.58	4.58	5.23	1.05	4.41	3.46	2.52	.25	38.71
1956	2.59	3.71	4.96	4.65	6.52	2.35	2.90	4.05	1.72	1.83	3.32	4.12	36.95
1957	2.70	5.07	2.10	9.44	10.03	6.08	6.13	3.26	2.50	3.70	5.70	4.51	38.25
1958	2.97	1.22	6.51	3.07	1.73	4.63	10.84	1.74	5.66	4.92	7.39	42.99	
1959	2.60	1.43	3.25	2.34	4.73	.98	2.07	2.56	3.14	4.11	5.04	7.33	57.58
1960	1.42	2.35	3.07	2.45	2.87	2.14	3.01	5.48	2.50	3.52	4.50	3.00	36.31

STATION HISTORY

DATE	LOCATION	ELEVATION	OBSERVER
10-1-1903/9-30-1927	Station known as Gano, 3 MI. NE Salem	1250	A. C. Leach
10-1-1927/11-30-1931	1.5 MI. N	1173	A. C. Leach
12-1-1931/8-12-1958	1/2 MI. SE	1173	E. F. Martin *
8-12-1958/6-30-1961	1/4 MI. SE	1206	E. F. Martin
7-27-1961/ Present	Sinkin Exp. Forest Headquarters, 3/4 MI. SSE of P.O.	1200	Sinkin Experimental Forest

* Mr. Martin operated a rain gage for rainfall (Rivers) reports separate from climat station from January 1923 to November 1931.