



Average Temperature (°F)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1933	39.8	35.9	39.9	53.0	65.4	73.1	75.0	72.8	70.8	55.2	42.4	36.4	55.1
1934	36.4	22.8	38.6	52.7	64.8	75.9	78.0	72.5	68.4	55.2	47.2	35.2	54.0
1935	30.0	32.8	47.0	49.6	59.5	70.3	72.2	70.6	63.6	57.0	47.1	38.9	53.4
1936	26.4	26.2	46.4	49.5	67.1	71.4	77.5	76.6	70.6	58.2	45.2	36.0	54.1
1937	41.5	35.4	41.3	52.0	64.2	73.6	75.5	76.9	64.7	52.6	42.8	34.8	54.8
1938	33.0	40.4	48.4	56.1	62.7	71.2	77.4	77.8	67.0	58.0	47.2	35.8	56.2
1939	36.4	40.1	46.4	52.0	66.3	73.6	73.7	75.8	70.2	57.7	44.3	38.4	56.2
1940	23.0	35.7	39.3	50.0	63.6	72.2	75.5	70.6	64.8	55.0	45.9	41.3	53.1
1941	32.1	32.4	38.2	58.9	65.4	71.6	76.4	74.0	62.9	49.2	40.0	56.0	56.0
1942	33.0	32.9	45.8	57.8	66.9	72.4	76.4	72.8	68.2	58.8	47.9	32.6	55.5
1943	34.4	37.4	43.5	50.9	66.2	77.8	76.0	76.8	66.4	55.5	45.2	36.2	55.5
1944	36.1	37.3	41.4	52.2	71.6	74.0	77.3	76.0	68.0	56.2	45.7	32.1	55.7
1945	29.2	36.6	51.2	57.2	61.7	71.6	74.5	72.2	70.6	56.3	47.0	31.0	53.4
1946	36.0	37.2	51.8	54.8	63.8	70.5	74.8	70.0	67.9	58.8	50.1	40.4	56.3
1947	40.2	30.2	37.2	57.0	63.6	70.2	72.6	76.4	67.9	61.7	43.5	35.2	54.6
1948	27.6	35.8	48.0	56.5	63.2	72.2	75.8	72.7	66.6	53.5	49.9	38.1	55.0
1949	41.7	43.0	45.3	53.4	63.4	72.6	78.2	73.8	63.8	60.8	45.8	39.0	56.8
1950	46.4	36.6	40.1	50.9	63.6	70.2	72.6	73.3	64.4	57.7	44.6	31.4	54.3
1951	36.4	37.2	43.7	53.7	63.1	71.2	75.5	73.5	68.9	59.8	40.5	37.5	55.0
1952	39.1	39.3	42.0	54.6	62.8	74.7	78.4	74.0	66.6	54.6	47.3	36.2	55.8
1953	39.1	41.1	45.6	54.0	67.7	73.2	78.0	75.5	68.2	59.5	49.7	39.4	57.6
1954	34.4	41.7	43.2	58.4	60.4	72.6	75.4	73.5	70.3	59.5	43.0	35.3	55.6
1955	32.5	33.7	43.9	58.2	65.4	72.6	79.7	76.9	67.5	57.2	42.8	32.1	53.2
1956	32.5	38.9	42.7	52.5	63.8	72.2	74.4	73.1	64.6	52.9	43.6	44.4	55.1
1957	31.9	36.8	43.7	57.3	65.0	72.5	76.2	74.1	69.6	57.3	46.8	39.3	55.8
1958	31.3	28.9	38.6	54.5	62.8	68.9	76.6	73.0	67.5	56.2	48.1	30.4	53.1
1959	31.7	37.7	43.5	57.0	67.1	72.4	75.5	77.8	70.5	58.6	43.9	38.9	56.2
1960	35.9	34.4	43.4	58.6	60.9	70.9	73.5	75.9	67.5	56.3	47.7	28.8	53.6
1961	28.6	37.2	46.5	49.7	59.9	71.1	76.0	75.8	72.3	59.1	47.9	34.2	54.9
1962	33.5	34.3	41.1	54.1	67.4	71.4	72.4	73.9	64.3	58.6	42.8	30.5	53.7

Total Precipitation (Inches)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1933	3.53	1.50	3.43	4.27	6.09	1.57	4.71	5.51	3.81	1.20	2.57	4.22	38.30
1934	1.05	1.31	2.62	2.14	2.52	2.88	4.68	4.66	4.06	1.29	6.28	2.02	32.45
1935	1.38	1.67	2.82	2.97	2.68	2.99	2.38	2.67	1.51	2.04	2.71	2.00	33.36
1936	4.30	2.70	7.94	2.04	1.36	3.50	4.31	4.51	1.51	4.51	0.91	4.63	39.03
1937	4.81	2.91	1.15	7.81	2.57	3.74	3.88	8.13	2.32	10.33	2.13	0.61	50.39
1938	1.17	1.27	2.48	1.92	4.61	2.49	2.67	1.43	2.30	1.20	2.57	4.22	28.33
1939	3.41	3.70	2.06	3.88	0.82	9.11	7.84	3.76	2.11	4.87	3.19	2.00	46.75
1940	1.38	2.55	3.03	3.91	4.37	3.47	5.40	4.40	4.88	4.87	5.14	2.42	43.32
1941	2.09	0.20	1.93	2.13	1.98	6.13	2.83	3.50	0.45	3.77	2.91	3.60	28.52
1942	1.78	1.51	3.56	0.86	5.72	5.61	7.07	2.44	1.24	15.01	2.33	3.85	52.07
1943	3.16	1.01	3.75	3.52	4.31	3.99	3.14	2.12	0.25	2.67	2.49	7.93	31.34
1944	2.23	2.89	5.02	2.61	4.58	2.19	3.02	2.75	5.32	3.42	1.50	2.76	38.49
1945	2.06	1.97	2.57	3.33	3.57	6.06	11.19	5.37	8.07	0.68	3.07	3.10	51.04
1946	1.22	1.81	2.22	0.69	3.73	4.23	2.89	4.26	3.50	0.74	1.53	30.09	37.18
1947	2.75	1.10	1.44	1.58	4.99	5.71	4.95	3.47	1.24	1.28	3.74	0.61	32.86
1948	2.80	0.88	2.92	4.57	3.94	2.80	3.52	5.91	3.04	4.66	4.71	4.30	44.05
1949	3.08	2.08	0.92	2.12	7.01	4.75	3.72	7.73	2.45	3.28	1.56	1.88	41.18
1950	1.77	2.80	2.97	1.29	3.92	3.92	4.77	2.81	5.16	2.78	4.49	3.72	42.43
1951	1.26	3.33	3.67	3.86	6.89	6.89	3.05	0.85	1.90	0.63	3.94	3.92	37.18
1952	3.58	1.77	3.58	8.29	3.59	2.66	2.10	3.10	5.15	1.25	6.12	2.65	43.84
1953	3.89	1.36	4.22	2.89	7.97	1.38	0.88	2.03	3.01	2.01	1.06	2.85	33.55
1954	1.90	1.25	4.02	2.01	3.74	3.92	5.18	6.61	1.37	6.47	1.97	2.84	41.28
1955	0.33	2.24	4.28	2.67	3.37	4.71	2.04	11.16	2.37	2.36	1.97	0.26	37.14
1956	1.96	3.95	3.42	2.43	2.00	2.06	7.82	4.09	3.19	4.15	1.22	2.53	38.82
1957	1.57	3.00	2.06	4.41	1.98	3.41	1.19	0.53	4.31	4.46	1.66	3.15	31.73
1958	3.07	2.78	4.43	4.48	3.25	3.52	7.12	2.87	1.48	2.51	2.33	0.54	40.38
1959	1.00	1.25	1.91	4.14	2.17	3.92	7.04	4.87	2.21	5.44	1.27	2.83	37.28
1960	2.16	2.28	2.28	2.33	6.28	2.44	3.44	3.07	2.48	5.07	0.85	2.03	33.86
1961	2.87	4.63	3.61	4.75	2.78	4.37	3.40	1.82	3.15	1.77	3.30	3.47	39.92
1962	1.38	3.73	5.22	2.79	3.62	5.12	5.35	0.53	1.24	2.01	4.64	2.63	39.73

STATION HISTORY

A climatological station was first established at Winchester on April 1, 1912. There was a brief period prior to that time when rainfall measurements were taken shortly after the Civil War. Since 1912 standard Weather Bureau instruments have been used with only a few changes in locations as follows:

- Several observers at the Post Office, April 1, 1912 - August 31, 1920.
- Level location in a broad valley.
- High School instructors, September 1, 1920 - June 30, 1930. One mile south of the Post Office. About five years of this time the instruments were placed on top of a building.

Since August 1, 1930, the observations have been under the supervision of Dr. W. S. Hough at the Winchester Research Fruit Laboratory. The instruments were moved in 1951 when the laboratory was relocated. Just recently the instruments were moved to Dr. Hough's residence when he retired. These location changes are as follows:

- August 1, 1930 - October 18, 1951, 3/4 mile northwest of Post Office. Over sod.
- October 19, 1951 - December 1, 1963, 2.0 miles south-southwest of Post Office. Open space.
- December 1, 1963 until present, 0.1 miles south of former location to Dr. Hough's residence at 523 Fairmont Avenue, Winchester, Virginia.

The following table gives the likelihood of critical temperatures occurring:

Temperatures	20%	40%	60%	80%
32° or below	Apr. 27	Apr. 21	Apr. 16	Apr. 10
28° or below	Apr. 19	Apr. 11	Apr. 4	Mar. 27
24° or below	Apr. 3	Mar. 27	Mar. 20	Mar. 13
20° or below	Mar. 19	Mar. 13	Mar. 8	Mar. 3
16° or below	Mar. 10	Feb. 29	Feb. 21	Feb. 12
	BEFORE DATE IN FALL			
32° or below	Oct. 10	Oct. 17	Oct. 23	Oct. 30
28° or below	Oct. 24	Oct. 31	Nov. 5	Nov. 11
24° or below	Nov. 8	Nov. 14	Nov. 20	Nov. 27
20° or below	Nov. 20	Nov. 26	Dec. 2	Dec. 9
16° or below	Nov. 28	Dec. 5	Dec. 11	Dec. 17

(Derived from 1933 - 1962 data)