

CLIMATOLOGICAL DATA

15 MARYLAND AND DELAWARE SECTION

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GENERAL SUMMARY

This April was the warmest since 1921, the sunniest since 1899, and the first without any snow in Maryland. The number of days with rain was the least in April since 1899. The bulk of the monthly rainfall fell during the first five days. The longest dry spell of record in April occurred between the general heavy rain of the 5th and the moderate to heavy rain of the 23d-24th. Monthly sunshine was 15% above normal. There was no damage by frost or wind. There were 991 forest fires, which destroyed 28,330 acres of Maryland State woodland.

Cool periods were 5-6th and 22d-26th. The 14-20th was summer-like, with an average daily mean temperature 20° above normal. Otherwise, the weather was mild.

Monthly rainfall was below normal, except slightly above normal over the southeastern portion of the section. Totals were mostly between 3 and 4 inches over the eastern half and mostly between 2 and 3 inches over the western half of the section.

Grains, grasses, and pastures greened nicely, made good and rapid growth, and improved to good to excellent. Plowing, preparing the ground for corn, planting early potatoes, peas, other vegetables, and gardens, and sowing oats and clover progressed rapidly, but did not begin in the Allegheny Mountain region until the third decade. Early planted and early sown seeds germinated quickly and the plants advanced rapidly. Sweet potatoes and tomato and tobacco seeds in beds sprouted.

During the last decade: Rye was heading, early potatoes were coming up or were up, early pea plants were good stands, and corn planting began in the eastern and central divisions; oats were heading in the extreme southern counties; peach, pear, and cherry trees finished blooming in the northern counties and were fruiting in the central and southern counties; and apple trees and strawberry plants were blooming in western Maryland and were in full bloom in the central and eastern divisions.

TEMPERATURE

The monthly mean for the section, 56.8°, is 4.6° above normal. The highest monthly mean was 66.6° at Washington; the lowest, 50.1° at Sines. The highest temperature, 97°, occurred at Cumberland on the 20th; the lowest, 17°, at Oakland on the 3d. The greatest local monthly range was 70° at Oakland; the least, 42°, at Delaware Breakwater. The greatest daily range was 50° at Oakland on the 13th and at Sines on the 29th.

PRECIPITATION

The monthly average for the section, 2.97 inches, is 0.59 inch below normal. The greatest monthly amount was 4.57 inches at Crisfield; the least, 1.88 inches, at Cumberland. The greatest 24-hour rainfall was 2.33 inches at Clear Spring on the 5th. The average number of days with 0.01 inch or more of precipitation, 5, is 5 below normal.

MISCELLANEOUS PHENOMENA (WITH DATES)

Aurora: Annapolis, 2. *First catbird:* Princess Anne, 26.
Fogs, light: 1, 2, 4 to 7, 9, 11, 13, 18, 19, 20, 23, 24. *Fogs, dense:* 4 to 7, 18, 19, 23, 24. *Frosts:* 3, 7, 8, 9, 22, 24, 25 to 30.
Halos, lunar: 3, 13. *Halos, solar:* 3, 17, 28. *Rainbows:* Clear Spring, 18; Frostburg, 20. *Sundog:* Chewsville, 12.
Thunderstorms: 2, 5, 11, 16, 18, 19.
Winds high: 5, 14, 20, 21, 22, 27.

PRESSURE, HUMIDITY, SUNSHINE, WIND, DEGREE DAYS

Stations	Atmospheric pressure reduced to sea level				Wind				Mean relative humidity			Percentage of sunshine	Heating degree days (base 65°)
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.		
Aberdeen, Md.	30.39	12	29.52	5	8.9	32	se.	5	71	53	53	262	
Annapolis, Md.	30.40	13	29.50	5	5.5	31	nw.	21	71	43	65	223	
Baltimore, Md.	30.40	12	29.54	5	10.3	31	nw.	20	84	44	57	313	
Elkins, W. Va.	30.46	29	29.56	5	5.3	26	sw.	20	84	44	57	60	
Harrisburg, Pa.	30.40	25	29.60	20	7.9	31	se.	20	66	39	48	78	
Norfolk, Va.	30.41	13	29.50	1	9.4	32	se.	5	80	52	70	203	
Philadelphia, Pa.	30.44	12	29.55	5	11.9	35	sw.	20	72	39	53	236	
Pittsburgh, Pa.	30.45	22	29.60	5	9.8	42	nw.	21	66	35	41	253	
Washington, D. C.	30.41	22	29.54	5	6.7	22	nw.	22	65	36	43	204	

COMPARATIVE DATA FOR APRIL

Year	FOR MARYLAND						FOR DELAWARE					
	Temperature			Precipitation			Temperature			Precipitation		
	Mean	Highest	Lowest	Average	Average snowfall	No. of days with .01 in. or more	Mean	Highest	Lowest	Average	Average snowfall	No. of days with .01 in. or more
1895	52.4	89	18	5.17	0.1	9	52.1	86	28	5.39	0.0	10
1896	55.9	97	12	1.42	0.7	8	55.5	98	32	1.46	T.	6
1897	52.1	84	15	2.97	0.1	3	52.5	89	26	3.18	0.0	7
1898	50.3	86	6	2.67	2.4	11	52.1	82	21	5.60	1.8	12
1899	53.1	94	14	1.60	0.3	4	52.3	84	24	1.56	T.	3
1900	52.3	86	16	1.93	0.4	6	53.2	79	24	2.39	T.	6
1901	49.1	90	15	5.74	2.0	11	49.9	81	31	5.12	0.0	9
1902	51.7	102	16	3.38	2.8	8	52.4	90	27	4.25	T.	9
1903	52.4	95	13	4.06	T.	9	52.8	93	25	3.66	T.	9
1904	49.1	87	10	2.47	0.2	9	49.5	84	24	2.40	T.	7
1905	52.8	88	8	2.82	0.6	9	52.7	85	26	3.07	T.	9
1906	54.1	96	10	3.23	T.	7	54.4	89	26	2.35	0.0	7
1907	47.0	86	9	3.33	2.0	10	47.4	83	23	3.36	0.5	11
1908	54.5	90	19	2.30	T.	10	55.3	87	24	2.81	T.	11
1909	52.6	89	5	3.51	0.9	10	53.7	86	25	4.30	T.	10
1910	55.9	92	20	5.56	0.2	12	57.1	87	28	3.35	0.0	9
1911	48.9	85	0	3.20	1.5	11	49.7	79	25	3.66	T.	11
1912	54.7	87	21	2.72	T.	12	54.3	83	27	2.83	T.	11
1913	53.9	90	11	4.41	T.	10	55.2	83	29	5.14	T.	10
1914	51.5	89	15	3.89	0.1	10	52.5	85	24	3.38	T.	9
1915	56.9	100	10	1.56	4.5	6	57.8	97	25	2.44	3.3	6
1916	55.4	89	17	3.10	4.3	12	51.5	87	28	2.42	1.1	12
1917	52.4	90	14	2.41	4.0	8	52.4	89	24	2.52	2.6	8
1918	51.0	83	15	5.90	5.7	12	52.3	81	28	4.33	0.2	10
1919	51.7	88	11	3.34	0.1	7	52.4	81	21	3.91	T.	7
1920	50.8	88	12	4.77	0.6	14	52.3	84	26	3.93	T.	10
1921	58.0	92	16	3.13	0.7	10	58.5	88	26	3.61	3.6	12
1922	54.0	83	17	1.84	0.1	9	54.2	86	28	2.32	0.0	9
1923	51.5	85	3	4.15	1.1	9	52.0	83	11	4.22	0.1	8
1924	50.0	83	13	4.94	5.8	12	50.4	79	20	5.52	2.4	12
1925	55.2	97	20	2.49	0.2	11	55.3	89	25	2.96	0.0	12
1926	49.9	89	18	1.72	0.5	9	50.8	88	25	1.91	T.	10
1927	49.9	91	18	4.91	1.7	14	50.3	94	28	3.09	1.2	14
1928	49.9	85	14	5.85	4.4	12	50.8	82	23	5.88	0.6	12
1929	55.4	94	25	6.44	0.2	14	56.0	95	32	6.74	0.0	13
1930	50.6	93	18	2.54	0.6	9	50.7	85	25	1.99	T.	8
1931	51.3	84	18	3.05	1.6	9	51.9	78	28	3.31	0.0	9
1932	50.3	84	16	2.18	0.4	8	51.6	80	29	2.52	T.	8
1933	52.8	88	20	5.44	0.1	11	53.1	80	28	5.42	0.0	10
1934	51.9	86	19	2.00	0.2	10	52.0	82	29	3.13	T.	11
1935	49.9	82	14	3.76	2.3	10	50.9	85	30	3.51	T.	11
1936	49.6	90	11	2.82	0.3	11	51.2	85	28	3.01	T.	12
1937	51.1	94	19	6.52	0.2	12	52.3	88	28	5.19	T.	11
1938	54.8	94	19	1.76	0.2	8	55.3	88	25	1.87	T.	8
1939	51.2	93	16	5.03	0.2	16	52.0	88	27	5.66	T.	15
1940	48.2	84	13	5.92	1.8	13	47.9	80	22	5.69	2.2	15
1941	56.9	97	17	2.94	0.0	5	56.3	91	28	3.19	0.0	6
Period	52.1	102	-3	3.56	1.2	10	52.7	99	11	3.88	0.5	10

Climatological Data for April 1941

Table with columns: STATIONS, COUNTIES, Elevation, Length of record, Temperature (Mean, Departure from normal, Highest, Date, Lowest, Date, Greatest daily range), Precipitation (Total, Departure from normal, Greatest in 24 hours, Total snowfall), Number of days (With precip., Clear, Partly cloudy, Cloudy), Prevailing direction of wind, OBSERVERS.

The departures from normal temperatures are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or "standard mean" adjusted to a uniform 35-year period... Data in italics determined from surrounding stations.

Thermometers are read in morning; maximum temperature then read is charged to preceding day, on which it almost always occurs. Temperatures at Aberdeen, Annapolis, Baltimore, Chestertown, Conowingo Dam, Sines, and Washington are from midnight to midnight; at Mt. Savage Summit, Ocean City, and Delaware Breakwater the thermometers are read at 1:30 a. m., the extremes are charged to the preceding day; other stations, except Cheltenham, Cumberland, and Pocomoke City, are for 24-hour period ending late in afternoon, near sunset, except 9:30 p. m. at Princess Anne.

Daily Precipitation for April 1941

Table with columns for Stations, Drainage basin, Day of month (1-31), and Total. Lists precipitation data for various Maryland and Delaware locations.

Except as otherwise indicated, observations are generally made late in afternoon, near sunset, and precipitation recorded is for the 24 hours ending at time of observation.
* First-order Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.
† Precipitation is for 24-hour period, midnight to midnight.
‡ Precipitation is for 24-hour period, 9:30 p.m. to 9:30 p.m.
§ Precipitation is measured at 1:30 a.m.; amount then recorded is entered on preceding day.
¶ Precipitation is measured with recording gage.
** Precipitation is included in the next measurement.
T. Trace, or precipitation is less than .01 inch.
§§ Two miles northwest of Frostburg.
§§§ Municipal Building.
§§§§ Porter Reservoir.
|| Water Pumping Station.
||| University Farm.

Daily Temperatures for April 1941

Table with columns for Stations (Delaware), Maximum, Minimum, and days 1-31, and Mean. Lists temperature data for Delaware locations.

Daily Temperatures for April 1941 - Continued

Table with columns for Stations (Maryland), days 1-31, and Mean. Rows list various Maryland locations such as Aberdeen, Annapolis, Baltimore, etc., with their respective daily temperature ranges and monthly means.

See page 14 for explanation of reference marks.

(WBO, Richmond, Va., 6-13-41-1,200)