

U. S. DEPARTMENT OF AGRICULTURE; WEATHER BUREAU

IN COOPERATION WITH MARYLAND STATE WEATHER SERVICE

CLIMATOLOGICAL DATA

15 MARYLAND AND DELAWARE SECTION

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GENERAL SUMMARY

This June was very dry in the eastern and central divisions, while rainfall was above normal in western Maryland. Monthly rainfall averaged the least in June since 1908. The month was moderately warm. Warm weather prevailed during the first half of the month; the second half was cool. There was much cloudiness. Monthly sunshine was about 10% below normal.

Growing crops were mostly good to excellent during the first and second decades; in the third decade they were mostly good in western Maryland, except good to excellent in Garrett County, while crops were fair to good and pastures and grasses were poor to fair in the central and eastern divisions. Planting crops in Garrett County and planting corn and setting out sweet potato and tobacco plants over the section ended during the second decade. Tobacco plants were scarce, due to blight and blue mold in the beds. Peas were picked in the southern and central counties during the first and second decades and in the counties northward thereof during the second and third decades. Picking peas began during the second decade in western Maryland, except during the third decade in Garrett County. The crop was mostly good. The strawberry harvest became general during the first decade, except it began during the second decade in Garrett County; it ended during the second decade in the southern and central counties and during the third decade in the northern counties, except in Garrett County. The crop was good to excellent. Barley was harvested during the third week and threshed during the fourth week; yields were poor to good. Hay yields were good to heavy. During the third decade: Setting out tomato plants ended; harvesting wheat and rye began, except in Garrett County; oats ripened in the southern and central counties and were ripening in the northern counties, except in Garrett County; early potato tubers were developing, sizing, and maturing, except in Garrett County; early tomatoes were developing and sizing; corn plants were good stands and were being cultivated; tree fruits were plentiful and were developing and sizing; the season was about two weeks backward of normal.—*J. B., jr.*

TEMPERATURE

The monthly mean for the section, 71.8°, is 1.1° above normal. The highest monthly mean was 75.8° at Crisfield; the lowest, 63.8°, at Mt. Savage Summit. The highest temperature, 96°, occurred at Dundalk on the 13th; the lowest, 33°, at Oakland and Sines on the 21st. The greatest local monthly range was 55° at Sines; the least, 35°, at Crisfield. The greatest daily range was 42° at Oakland on the 3d.

PRECIPITATION

The monthly average for the section, 2.16 inches, is 1.82 inches below normal. The greatest monthly amount was 6.53 inches at Tonoloway; the least, 0.29 inch at Crisfield. The greatest 24-hour rainfall was 3.18 inches at Tonoloway on the 7-8th. The average number of days with 0.01 inch or more of precipitation, 9, is 1 below normal.

MISCELLANEOUS PHENOMENA (WITH DATES)

Fogs: 1 to 5, 9 to 12, 17 to 19, 22, 24, 25, 30.
Frosts, light to heavy: Garrett County, 21, 22; slight damage in highlands. *Hail, light:* 1, 26, 28. *Halo, lunar:* 16.
Halos, solar: 6, 7, 16, 21, 26, 28. *Rainbows:* 1, 26, 28.
Thundergusts, high: 13, 18, 24 to 30. *Winds, high:* 15.
Thunderstorms: 1, 6 to 13, 18, 19, 24 to 30.

PRESSURE, HUMIDITY, SUNSHINE, WIND, DEGREE DAYS

Stations	Atmospheric pressure reduced to sea level				Wind			Mean relative humidity			Percentage of sunshine	Cooling degree days (base 75°)
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.		
Aberdeen, Md.	30.26	17	29.44	24	7.3	23	de.	26	76	72	72	59
Annapolis, Md.	30.26	17	29.48	24	7.3	23	de.	26	72	68	68	71
Baltimore, Md.	30.29	17	29.46	24	10.1	38	sw.	13	74	56	66	48
Elkins, W. Va.	30.26	17	29.56	24	5.9	24	w.	29	87	59	79	47
Harrisburg, Pa.	30.28	17	29.48	24	7.0	29	nw.	30	74	54	65	21
Norfolk, Va.	30.25	17	29.58	24	8.7	30	w.	25	76	55	63	67
Philadelphia, Pa.	30.29	17	29.55	24	11.3	35	nw.	30	74	50	60	48
Pittsburgh, Pa.	30.29	21	29.47	24	10.0	34	w.	30	79	55	67	47
Washington, D. C.	30.28	17	29.47	24	6.2	24	nw.	29	73	49	60	56

COMPARATIVE DATA FOR JUNE

Year	FOR MARYLAND					FOR DELAWARE						
	Temperature			Precipitation		Temperature			Precipitation			
	Mean	Highest	Lowest	Average	Average snowfall with .01 in. or more	Mean	Highest	Lowest	Average	Average snowfall with .01 in. or more		
1895	73.1	102	37	4.15	0.0	8	78.9	101	47	2.91	0.0	8
1896	70.3	100	32	3.88	0.0	11	70.3	97	42	5.27	0.0	10
1897	68.6	97	29	3.82	0.0	9	68.9	95	34	2.33	0.0	9
1898	72.0	100	36	1.58	0.0	6	71.5	97	49	3.04	0.0	7
1899	73.4	102	36	2.94	0.0	7	74.2	100	51	1.58	0.0	7
1900	71.5	100	36	4.70	0.0	9	72.2	95	45	4.54	0.0	6
1901	71.0	102	32	3.15	0.0	8	72.1	101	48	2.32	0.0	5
1902	70.0	104	31	4.79	T.	9	71.3	101	45	6.25	0.0	7
1903	66.3	96	35	5.71	0.0	13	66.5	91	46	3.45	0.0	11
1904	70.2	98	30	4.60	0.0	12	70.5	99	44	3.99	0.0	12
1905	71.2	102	25	4.50	0.0	10	71.2	99	43	3.88	0.0	9
1906	71.9	101	36	5.96	0.0	15	73.0	97	51	7.37	0.0	14
1907	64.8	96	32	5.75	0.0	12	65.6	94	43	5.44	0.0	11
1908	70.4	99	39	2.14	0.0	5	71.7	98	46	1.98	0.0	3
1909	71.8	98	32	5.06	0.0	14	72.1	98	48	4.87	0.0	13
1910	67.7	96	30	5.74	T.	14	69.2	95	45	6.37	0.0	14
1911	71.5	102	39	4.14	0.0	12	72.0	101	50	3.62	0.0	9
1912	69.2	99	25	4.07	0.0	10	71.0	96	42	2.01	0.0	8
1913	71.1	100	27	2.25	0.0	7	71.7	98	43	2.39	0.0	7
1914	72.3	101	26	3.93	0.0	10	72.8	101	45	3.09	0.0	10
1915	68.4	98	31	5.03	0.0	10	69.4	94	43	5.30	0.0	12
1916	67.0	95	33	6.28	0.0	12	65.3	89	45	3.95	0.0	10
1917	70.1	97	32	4.07	0.0	10	71.6	96	48	4.48	0.0	10
1918	68.7	98	34	2.31	0.0	8	69.3	99	46	2.92	0.0	8
1919	72.2	98	40	3.27	0.0	9	71.5	96	43	2.24	0.0	7
1920	70.0	98	34	5.34	0.0	11	71.0	97	49	5.57	0.0	11
1921	72.3	102	34	2.47	0.0	7	72.6	100	42	2.73	0.0	6
1922	72.8	97	38	5.12	0.0	12	73.5	93	50	5.39	0.0	14
1923	73.5	102	34	3.06	0.0	9	74.8	100	44	2.37	0.0	8
1924	69.3	99	33	5.20	0.0	14	69.3	95	48	5.80	0.0	14
1925	75.4	104	36	2.37	0.0	7	77.5	102	45	1.81	0.0	7
1926	67.4	98	35	2.67	0.0	12	68.8	97	43	2.54	0.0	11
1927	66.7	98	31	3.55	0.0	9	67.2	95	42	3.44	0.0	9
1928	68.9	94	34	5.79	0.0	16	70.5	92	48	5.70	0.0	7
1929	70.2	98	31	5.00	0.0	10	71.6	97	41	3.38	0.0	9
1930	72.0	99	26	3.36	0.0	9	73.8	97	35	2.54	0.0	8
1931	70.7	102	35	3.38	0.0	8	71.9	98	49	3.76	0.0	7
1932	70.6	95	30	3.81	0.0	10	72.0	94	41	3.77	0.0	10
1933	72.4	102	28	2.73	0.0	8	73.4	100	43	2.70	0.0	7
1934	74.6	105	42	3.29	0.0	7	75.7	101	53	2.90	0.0	7
1935	70.4	97	34	4.49	0.0	12	71.2	95	46	5.16	0.0	11
1936	70.8	99	34	3.09	0.0	10	71.3	95	47	4.05	0.0	10
1937	72.3	99	41	4.31	0.0	12	72.3	92	48	5.50	0.0	12
1938	70.1	98	35	3.95	0.0	10	70.8	96	36	5.41	0.0	10
1939	72.8	100	40	5.19	0.0	12	73.5	95	47	3.46	0.0	12
1940	71.8	96	33	2.20	0.0	9	71.8	94	42	1.95	0.0	7
Period	70.6	105	25	3.99	T.	10	71.5	102	34	3.83	0.0	9

Climatological Data for June 1940

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, With precipitation, Clear, Partly cloudy, Cloudy), Number of days, 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; for stations of 10 to 14 years the means for the period of record are used. Data in italics determined from surrounding stations. P. Precipitation is less than 0.01 inch rain or melted snow. †Post addresses of these stations are as follows: Of Bell, Glendale; of Coleman, Worton; of Fallston, Bagley; of Perry Landing, Owings; of Great Falls, Bethesda; of Mt. Savage Summit, Frostburg; of Odessa, Middletown; of Pearsy, Paw Park, W. Va.; of Pleasant Hill, Owings Mills; of Prettyboy Dam, Parkton; of Sines, Oakland; of Tonoloway, Hancock. *Custom House, Gay and Water Sts. **Weather Bureau Building, 24th and M Sts. †Also on other dates. ‡2 miles northwest of Frostburg. §Municipal Building. ¶Porter Reservoir. ††University Farm. †††Water Pumping Station.

Daily Precipitation for June 1940

Table with columns for Stations, Drainage basin, Day of month (1-31), and Total. Rows list various locations in Maryland and Delaware with their respective precipitation amounts for each day.

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.
1 First-order Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.
2 Precipitation is for 24-hour period, midnight to midnight.
3 Precipitation is for 24-hour period, 9:30 p.m. to 9:30 p.m.
4 Precipitation is measured in the morning; amount then recorded is for the preceding 24 hours.
5 Precipitation is measured with recording gage.
6 Precipitation is included in the next measurement.
7 Trace, or precipitation is less than .01 inch.
8 Two miles northwest of Frostburg.
9 Municipal Building.
10 Porter Reservoir.
11 University Farm.
12 Water Pumping Station.

Daily Temperatures for June 1940

Table with columns for Stations, Maximum, Minimum, and days 1-31, and a Mean column. Rows list various locations in Maryland and Delaware with their daily maximum and minimum temperatures.

Daily Temperatures for June 1940-Continued

Table with columns for Stations (Maryland, District of Columbia, Washington) and days 1-31, plus a Mean column. Each station entry includes Maximum and Minimum temperature values for each day.

§§Instruments 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; other stations, except Cheltenham and Cumberland, are for 24-hour period ending late in afternoon, near sunset, except 9:30 p.m. at Princess Anne. (WBO, Richmond, Va., 8-23-40-1,150)