

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 month was cool and very wet. The first and second decades were cold and windy; the third decade was mild. The 15-19th and 26-30th were wet periods. The 2d-5th and 21st-24th were clear, sunshiny periods. Monthly sunshine was about 5% below normal.

Snow flurries occurred on the 2d, 3d, 6th, 7th, 8th, 13th, and 30th and light snow fell on the 4th and 12th and at night of the 8th in the Allegheny Mountain region. Snow flurries occurred during the night of the 8-9th over the northern and central portions of the section eastward of the Allegheny Mountains and on the 12th in Allegany, Washington, and Frederick Counties.

On the 13th and 14th freezing temperatures and frosts damaged apple buds and plum, apricot, cherry, peach, and pear blossoms in Allegany and Washington Counties, damaged peach and pear blossoms in the central and eastern divisions, and damaged early vegetable plants and early strawberry blossoms on the Eastern Shore and in southern Maryland.

Wheat, rye, and barley were good to excellent. Pastures and grasses improved and were mostly good. Planting early potatoes, peas, other vegetables, corn, and gardens, and sowing oats, clover, and tomato and tobacco seeds, and bedding sweet potatoes were in progress, except not yet begun in the Allegheny Mountain region. During the last week of the month: Rye was heading in the eastern and central divisions; early pea plants were good to excellent; earliest planted potatoes were coming up or were up; oats and tomato, tobacco, and sweet potato plants were good stands; peach and pear trees were setting fruit, apple trees were shedding blossoms, and strawberry plants were blooming in southern and central counties; and peach, pear, and apple trees were in full bloom and strawberry plants were budding or were budded in the northern counties, except peach and pear trees were ready to bloom, apple tree buds were swelling, and strawberry plants were not yet budding in the Allegheny Mountain region.—*J. B., jr.*

TEMPERATURE

The monthly mean for the section, 51.3°, is 0.5° below normal. The highest monthly mean was 55.8° at Crisfield; the lowest, 41.2°, at Mt. Savage Summit. The highest temperature, 93°, occurred at Leonardtown on the 25th; the lowest, 16°, at Mt. Savage Summit on the 8th and 13th and at Oakland on the 8th. The greatest local monthly range was 68° at Hancock; the least, 50°, at Crisfield and Delaware Breakwater. The greatest daily range was 50° at Hancock on the 24th.

PRECIPITATION

The monthly average for the section, 5.12 inches, is 1.67 inches above normal. The greatest monthly amount was 7.10 inches at Elkton; the least, 3.44 inches, at Mt. Savage Summit. The greatest 24-hour rainfall was 2.78 inches at Elkton on the 26th. The monthly average snowfall for the section, 0.2 inch,

is 0.9 inch below normal. The greatest 24-hour snowfall was 2.2 inches at Sines on the 8th. The average number of days with 0.01 inch or more of precipitation, 16, is 6 above normal.

MISCELLANEOUS PHENOMENA (WITH DATES)

Aurora: Night 24. *Catbird, first:* Princess Anne, 21.
Fogs: 1 to 4, 6, 10 to 12, 14 to 30. *Hail, light:* 18.
Frosts: 4, 5, 8, 9, 13, 14, 23. *Rainbow:* Ferry Landing, 1.
Eclipse, solar: 19. *Winds, high:* 1 to 4, 6, 7, 10 to 13, 19, 21.
Thunderstorms: 1, 18, 19, 21, 26; also, Sines, 27 to 30.

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	7:30 a. m.	Local n'n	7:30 p. m.			
Aberdeen, Md.*	30.39	14	29.50	1	11.2	29	nw.	12	71	55	54	53	436
Annapolis, Md.	30.39	14	29.53	1	10.0	40	sw.	12	65	55	55	57	388
Baltimore, Md.	30.40	14	29.54	1	12.0	31	nw.	30	79	52	57	39	367
Elkins, W. Va.	30.57	13	29.54	1	8.0	31	nw.	11	50	55	51	39	542
Harrisburg, Pa.*	30.36	17	29.52	1	10.0	34	sw.	11	50	55	51	39	499
Norfolk, Va.	30.45	14	29.55	1	11.8	33	s.	6	73	49	59	59	492
Philadelphia, Pa.	30.40	17	29.45	2	13.4	40	s.	6	75	64	68	52	446
Pittsburgh, Pa.*	30.51	13	29.50	1	12.7	38	nw.	12	78	59	61	43	486
Washington, D. C.	30.44	13	29.53	1	8.8	26	nw.	12	68	50	55	47	366

* Observations taken at airport station.

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	89	28	5.39	0.0	10
1896	55.9	97	12	1.42	0.7	6	55.9	99	22	1.46	T.	6
1897	52.1	94	15	2.97	5.0	15	52.8	89	26	3.18	0.0	7
1898	50.3	85	6	2.87	2.4	12	50.1	82	21	3.60	1.8	12
1899	59.1	94	14	1.60	0.3	4	52.3	84	22	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.	16	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	5.58	0.2	12	57.1	87	28	3.85	0.0	9
1911	48.9	88	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	87	25	2.44	9.3	6
1916	51.4	89	17	3.10	4.3	12	51.5	87	23	2.42	1.1	12
1917	52.4	90	14	2.41	4.0	12	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	0.7	8	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	3.31	3.6	12
1922	54.0	93	17	1.84	0.1	9	54.2	88	28	2.32	0.0	9
1923	51.5	88	-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	2.60	0.2	10	52.0	82	29	3.13	T.	11
1935	49.9	92	14	3.76	2.3	10	50.9	85	30	3.81	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
Period	51.7	102	-3	3.45	1.2	10	52.8	99	11	3.46	0.5	10

Climatological Data for April 1939

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 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. T. 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 Ferry Landing, Owings; of Great Falls, Bethesda; of Mt. Savage Summit, Frostburg; of Odessa, Middletown; of Picardy, Paw Paw, W. Va.; of Pleasant Hill, Owings Mills; of Prettyboy Dam, Parkton; of Sines, Oakland. *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.

Daily Precipitation for April 1939

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.

Daily Temperatures for April 1939

Table with columns for Stations, Day of month (1-31), and Mean. Rows list various locations in Maryland and Delaware with their maximum and minimum temperatures for each day.

Daily Temperatures for April 1939-Continued

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

§§ 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, Conowingo Dam, Dundalk, Sines, and Washington are from midnight to midnight; other stations, except Cheltenham and Cumberland, are or 24-hour period ending late in afternoon, near sunset, except 9:30 p. m. at Princess Anne. (WBO, Richmond, Va., 7-27-39-1,050)