

CLIMATOLOGICAL DATA

15 MARYLAND AND DELAWARE SECTION

J. R. WEEKS

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GENERAL SUMMARY

This was a mild, sunshiny, and outstandingly dry May. The average monthly rainfall for the section of 1.06 inches was the same as in May, 1911, and is the least of record for May. Rainfall was of the summer type, except a northeast rain on the 13th. Snow flurries occurred on the 13th in the Allegheny Mountain region. There were no damaging winds. Monthly sunshine was about 10 per cent above normal.

The weather was very cool during the 13-16th and very warm during the 6-10th, 19th-23d, and 27th-31st.

Grains, vegetable crops, grasses, and pastures were mostly good to excellent during the first and second decades and mostly fair to good during the third decade, except pastures and grasses were poor to fair on the Eastern Shore.

Planting and sowing crops in the Allegheny Mountain region began during the second week. The dry, very warm weather of the third decade advanced vegetation from behind normal to normal; shortened the strawberry and pea crops; hardened the ground, which interrupted plowing, planting and sowing crops, and setting out tomato and sweet potato plants. Tobacco plants in the beds were plentiful, but transplanting them to the fields did not begin.

During the last week: Wheat and rye were heading, the first planted early potatoes and peas and the first sown oats were coming up, and fruit trees were setting fruit in the Allegheny Mountain region, while over the remainder of the section wheat and rye were well headed, barley was ripening, early oats were good stands, early potato and early corn plants were being cultivated, and tree fruits were developing and sizing. Wheat and rye were blooming in the eastern and central divisions; pea plants were in full bloom and strawberries were ripening in the northern counties; pea plants were podding and peas in pods were developing and sizing, strawberries were being harvested, and early potatoes were blooming in the central and southern counties.—J. B., jr.

TEMPERATURE

The monthly mean for the section, 64.9°, is 2.5° above normal. The highest monthly mean was 68.4° at Baltimore; the lowest, 57.9°, at Oakland. The highest temperature, 98°, occurred at Cumberland on the 31st; the lowest, 25°, at Oakland on the 4th. The greatest local monthly range was 66° at Keedysville; the least, 43°, at Delaware Breakwater. The greatest daily range was 47° at Keedysville on the 6th.

PRECIPITATION

The monthly average for the section, 1.06 inches, is 2.35 inches below normal. The greatest monthly amount was 3.05 inches at Sines; the least, 0.12 inch, at Prettyboy Dam. The greatest 24-hour rainfall was 1.83 inches at Aberdeen on the 9th. The monthly average snowfall for the section, a trace, is normal. The average number of days with 0.01 inch or more of precipitation, 5, is 5 below normal.

MISCELLANEOUS PHENOMENA (WITH DATES)

Corona, solar: Princess Anne, 30. Fogs: 7 to 9, 12 to 19, 21 to 27. Frosts, light to heavy: 1, 2, 3, 4, 12, 14, 15.

Hail, light: Chewsville, 9; Baltimore, 22. Hail, moderate: Great Falls, 28; no damage. Hail, heavy: Sines, 5 p.m., 26; size of marbles; area 1 mile square; small damage to gardens. Lightning injured 2 Baltimore City College students on the 22d.

Thundergusts, strong: 9, 22, 28. Thunderstorms: 9, 11, 20, 21, 22, 26, 27, 28, 29. Winds, high: 3, 8, 19.

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.	7:30 p. m.		
Aberdeen, Md*.....	30.28	25	29.45	9	9.4	32	n.	3	66	66	116	
Annapolis, Md.....	30.27	25	29.43	9	7.7	55	66	106	
Baltimore, Md.....	30.28	13	29.42	9	10.0	30	sw.	22	63	50	99	
Elkins, W. Va.....	30.23	26	29.37	9	5.1	21	sw.	9	84	44	197	
Harrisburg, Pa*.....	30.30	13	29.41	9	7.6	26	sw.	27	68	47	124	
Norfolk, Va.....	30.28	21	29.59	9	10.0	27	nw.	11	75	62	104	
Philadelphia, Pa.....	30.29	13	29.46	9	11.9	39	n.	3	67	53	107	
Pittsburgh, Pa*.....	30.28	12	29.49	9	9.2	29	sw.	9	71	44	122	
Washington, D. C.....	30.26	25	29.42	9	6.2	19	ne.	3	70	52	110	

* Observations taken at airport station.

COMPARATIVE DATA FOR MAY

Year	FOR MARYLAND					FOR DELAWARE						
	Temperature			Precipitation		Temperature			Precipitation			
	Mean	Highest	Lowest	Average	Average snowfall	Mean	Highest	Lowest	Average	Average snowfall	No. of days with 0.01 in. or more	
1895.....	61.7	101	20	3.27	0.3	12	61.7	98	37	3.65	0.0	12
1896.....	67.5	96	31	3.13	0.0	10	67.3	96	35	3.73	0.0	10
1897.....	61.1	86	27	5.16	0.1	11	62.2	85	40	4.01	0.0	10
1898.....	63.0	96	25	4.50	0.0	13	61.7	96	37	4.80	0.0	14
1899.....	63.6	96	31	3.72	0.0	10	63.2	96	38	2.47	0.0	8
1900.....	63.1	99	23	2.40	0.0	6	64.0	96	31	3.10	0.0	6
1901.....	61.3	95	25	4.55	0.0	12	61.2	86	38	3.65	0.0	11
1902.....	63.9	98	22	2.10	T.	8	63.8	94	37	1.88	0.0	7
1903.....	64.0	95	24	2.64	T.	7	64.1	95	31	2.03	0.0	6
1904.....	64.2	102	26	2.61	T.	7	64.3	95	39	1.90	0.0	5
1905.....	64.7	97	25	2.97	0.0	8	64.4	92	35	3.13	0.0	8
1906.....	63.3	96	23	2.64	T.	13	64.0	87	30	3.29	0.0	9
1907.....	58.1	95	23	4.54	0.0	13	58.1	87	30	6.39	0.0	14
1908.....	63.4	95	28	6.18	0.1	14	65.0	94	36	6.64	0.0	12
1909.....	62.2	98	22	3.56	0.1	9	63.4	93	34	3.96	0.0	8
1910.....	60.0	90	18	2.99	T.	12	62.0	90	35	2.30	0.0	13
1911.....	67.6	100	19	1.11	T.	4	67.2	96	33	0.69	0.0	3
1912.....	64.1	92	29	4.12	T.	10	64.7	91	38	4.27	0.0	8
1913.....	62.6	94	16	4.31	0.0	10	63.8	93	32	4.42	0.0	8
1914.....	65.1	100	18	2.06	0.0	6	65.8	98	31	2.00	0.0	5
1915.....	60.7	90	25	3.82	0.0	13	62.3	88	37	3.90	0.0	12
1916.....	64.6	97	30	3.61	T.	10	65.2	94	39	4.33	0.0	11
1917.....	57.3	93	27	3.02	0.1	10	55.9	92	34	3.10	0.0	10
1918.....	67.7	98	27	3.79	T.	9	67.4	95	38	3.43	0.0	6
1919.....	62.8	97	31	5.33	0.0	13	63.9	91	38	5.92	0.0	12
1920.....	58.5	91	22	1.94	T.	7	58.5	87	30	2.30	0.0	8
1921.....	61.3	93	27	5.47	T.	13	61.7	90	38	3.74	0.0	12
1922.....	64.7	93	25	3.21	0.0	10	65.0	88	32	2.09	0.0	8
1923.....	61.1	94	23	1.96	0.2	7	61.8	91	32	1.32	0.0	6
1924.....	58.7	94	26	6.60	0.0	17	59.5	88	37	5.26	0.0	16
1925.....	58.8	100	25	1.93	0.1	8	59.3	100	32	1.20	0.0	7
1926.....	62.0	94	25	3.98	0.0	8	62.0	91	33	2.54	0.0	9
1927.....	61.7	95	28	3.00	T.	14	61.6	88	38	3.39	0.0	12
1928.....	61.7	95	23	2.48	0.0	12	61.0	91	32	2.17	0.0	11
1929.....	62.0	96	26	3.21	T.	13	62.6	93	35	1.98	0.0	11
1930.....	64.8	96	27	2.11	0.0	9	65.6	95	40	3.16	0.0	9
1931.....	62.2	95	23	4.54	T.	13	62.8	92	33	4.24	0.0	12
1932.....	61.9	94	25	5.30	0.0	10	62.9	90	37	5.18	0.0	10
1933.....	64.8	94	34	5.45	0.0	16	66.2	93	37	5.33	0.0	16
1934.....	63.9	97	28	4.64	0.0	10	64.5	95	38	6.74	0.0	10
1935.....	59.4	92	28	3.64	T.	11	60.0	87	37	3.60	0.0	11
1936.....	64.9	95	27	2.17	0.0	6	65.5	94	33	1.62	0.0	4
1937.....	63.1	95	27	3.42	0.0	11	63.9	92	32	3.61	0.0	11
1938.....	61.3	96	23	4.34	0.0	15	61.4	85	37	4.28	0.0	16
1939.....	65.0	98	25	1.14	T.	5	64.8	96	32	0.58	0.0	4
Period.....	62.3	102	16	3.42	T.	10	63.3	100	30	3.32	0.0	10

Climatological Data for May 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 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. T. Precipitation is less than 0.01 inch rain or melted snow. † Post addresses of these stations are as follows: Of Bell, Glenidale; 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, 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.

ERRATA

March, 1939. -Page 10: Silver Spring, clear and partly cloudy days, published 9 and 11 respectively, should be 10 and 10.

Daily Temperatures for May 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 in afternoon, near sunset, except 9:30 p.m. at Princess Anne. ... (WBO, Richmond, Va., 9-6-39-1,050)