

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU
IN COOPERATION WITH MARYLAND STATE WEATHER SERVICE

CLIMATOLOGICAL DATA

15

MARYLAND AND DELAWARE SECTION

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BALTIMORE, MD., MARCH 1946

No. 3

GENERAL SUMMARY

This was the third warmest March of record. The mean temperature of 50.7° , 7.7° above normal, was 2.3° cooler than that of March 1945 and 2.9° cooler than that of the warmest March (1921). This March came in lamb-like and departed in the same manner; it was a quiet month. This March was fairly sunny, with precipitation averaging two-thirds of normal, and a light snowfall on the 2d, 9th, and 11th in the Allegheny Mountain region.

The weather was mild, except cool on the 18th, 24th, and 31st and except warm or very warm during the 3d-9th, 13-16th, 21st-23d, and 25-30th. The mean temperature during the 3d-9th averaged 19° per day above normal.

Monthly sunshine was about 5% above normal.

Monthly precipitation was slightly below 2 inches over Dorchester, Talbot, Anne Arundel, extreme southern Baltimore, and Prince Georges Counties, over the District of Columbia, over southern Frederick and eastern Washington Counties, and at Luke; it was between 2 and 3 inches over the remainder of the section, except slightly above 3 inches at Picardy, Prettyboy Dam, and Tonoloway; was between 3 and 4 inches over the Allegheny Mountain region, the northern third of Frederick County, and eastern Kent (Del.) County; and was between 3 and 5 inches over eastern Sussex County.

Monthly snowfall averaged 0.1 inch, the least in March since 1927. Light snow fell on the 2d, 9th, and 11th over the Allegheny Mountain region. Snow flurries occurred on the 11th between the Allegheny Mountains and Chesapeake Bay, on the 16th over Washington County, and on the 19th over the Chewsville and State Sanatorium districts.

No snow flakes fell on the Eastern Shore.

The unusual warmth advanced fruit trees and other vegetation two to three weeks ahead of normal.

Grains and grasses were green, in good to very good condition, improved, and were growing. Pastures were fair to good. Pruning and spraying fruit trees, hauling and spreading manure, lime, and other fertilizers, plowing, planting peas, sowing clover seeds and oats, and making gardens were in progress, except in the Allegheny Mountain region.

At the close of the month tree fruit buds were swelling, were swollen, or were blossoming, except in the Allegheny Mountain region.

TEMPERATURE

The monthly mean for the section, 50.7° , is 7.7° above normal. The highest monthly mean was 58.7° , at Crisfield; the lowest, 44.4° , at Sines. The highest temperature, 83° , occurred at Great Falls on the 28th; the lowest, 12° , at Oakland and Sines on the 10th. The greatest local monthly range was 64° at Oakland and Sines; the least, 39° , at Annapolis.

PRECIPITATION

The monthly average for the section, 2.49 inches, is 1.12 inches below normal. The greatest monthly amount was 4.58 inches at Lewes; the least, 1.06 inches, at Annapolis. The greatest 24-hour rainfall was 1.79 inches at Lewes on the 29th. The average monthly snowfall, 0.1 inch is 4.7 inches below normal.

ERRATA

March, 1945.—Page 9: General Summary, third paragraph, fifth word should read March.

MISCELLANEOUS PHENOMENA (WITH DATES)

Auroras.—Night, 23, early morning, 28. *Coronas.*—Frostburg: Lunar, 8, 11-14, 20; solar, 28. *Fogs, light.*—1-6, 8, 9, 12-19, 24-30. *Fogs, heavy.*—2, 8, 13, 15-18, 29, 30. *Glaze, light.*—19. *Halos, lunar.*—6, 13, 14. *Halo, solar.*—6. *Rainbows.*—Clear Spring, 7; Perry Landing, 15. *Steed, light.*—2, 17, 18, 19. *Sundog.*—Chewsville, 28. *Thunderstorms.*—8, 9, 15, 17, 24, 25. *Winds, moderately high.*—3, 4, 6, 7, 9, 11, 15, 20, 26, 30. *Wind, gale force.*—Baltimore, 9. *Clear Spring.*—Wild geese flying north, 11; apricot trees in bloom, 25; cherry trees in bloom, 28. *Robin, first.*—Oxford, 5; Clear Spring, 13. *Solomons.*—Some peach, pear, cherry, and apple trees in bloom at the end of the month.

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		
Aberdeen, Md.										
Annapolis, Md.	30.48	12	29.57	30	9.5	...		77	61	63
Baltimore, Md.	30.51	12	29.61	30	9.9	41	SW.	9 76	52	62
Elkins, W. Va.	30.42	12	29.64	30	7.1	36	W.	9 89	52	68
Harrisburg, Pa.	30.47	12	29.58	9	7.9	31	W.	9 80	58	59
Norfolk, Va.	30.50	12	29.58	30	11.2	30	W.	9 83	60	71
Philadelphia, Pa.	30.47	12	29.55	9	7.4	21	SW.	7 81	46	62
Pittsburgh, Pa.	30.41	11	29.59	28	10.7	35	SW.	9 77	51	57
Washington, D. C.	30.50	12	29.62	30	7.6	31	W.	9 74	47	52

COMPARATIVE DATA FOR MARCH

Year	FOR MARYLAND			FOR DELAWARE		
	Temperature	Precipitation	Temperature	Precipitation		
	Mean	Highest	Average	No. of days with .01 in. or more	Average	No. of days with .01 in. or more
1895	39.8	74	- 7	2.94	3.5	9
1896	36.4	72	- 13	4.26	14.6	9
1897	44.4	82	12	2.93	0.7	10
1898	47.5	84	7	3.80	3.0	11
1899	40.9	77	1	4.79	3.7	11
1900	37.3	74	- 8	3.23	13.2	9
1901	42.6	81	- 9	3.50	1.9	9
1902	44.7	80	3	3.92	10.5	10
1903	49.2	85	15	5.12	0.2	10
1904	41.2	87	5	2.99	2.0	10
1905	45.4	88	- 15	3.16	2.2	10
1906	36.7	68	- 8	4.83	11.3	18
1907	46.1	98	2	3.30	6.5	9
1908	45.7	85	11	3.16	0.6	10
1909	40.2	80	9	3.69	7.6	11
1910	49.0	89	14	1.11	2.1	5
1911	39.8	76	- 5	2.56	9.3	12
1912	39.5	78	7	6.69	7.7	13
1913	47.2	83	- 6	4.56	0.7	10
1914	37.8	80	- 14	2.40	15.4	10
1915	36.6	64	3	1.14	4.4	5
1916	35.9	78	- 3	3.88	4.5	15
1917	41.1	82	- 5	5.34	10.2	13
1918	45.6	84	8	3.61	0.1	9
1919	45.8	76	14	3.87	0.6	10
1920	43.2	85	- 1	3.00	2.7	9
1921	53.6	91	14	2.38	T.	11
1922	44.2	80	11	4.70	2.2	13
1923	43.3	82	- 6	4.23	5.8	11
1924	40.7	77	11	4.98	12.2	10
1925	44.8	82	- 3	2.25	0.4	9
1926	38.0	70	- 8	2.21	2.1	10
1927	45.4	84	10	1.72	0.1	9
1928	41.7	83	7	2.97	12.7	10
1929	48.0	86	4	3.14	1.3	10
1930	42.2	77	4	2.16	1.6	7
1931	39.1	65	- 14	4.28	7.4	13
1932	38.2	79	- 4	5.70	5.7	10
1933	40.1	79	0	4.40	3.2	18
1934	38.7	78	- 10	4.35	11.7	14
1935	47.6	86	10	2.99	1.8	14
1936	47.0	83	15	5.87	3.0	12
1937	39.4	74	1	1.96	9.7	8
1938	46.9	88	6	2.74	3.8	14
1939	45.9	90	- 5	3.74	0.8	11
1940	38.1	75	1	3.84	2.3	10
1941	36.7	70	- 8	2.25	12.7	8
1942	44.7	79	5	5.99	15.4	12
1943	42.6	84	- 6	3.56	8.1	12
1944	40.2	82	0	5.69	5.5	14
1945	53.0	91	17	1.80	0.8	10
1946	50.7	88	12	2.40	0.1	11
Period	42.9	93	- 15	3.58	5.1	10
					43.8	89
					4	3.85
					2.8	10

