

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

CLIMATOLOGICAL DATA

15

MARYLAND AND DELAWARE SECTION

J. BILLY, jr.

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GENERAL SUMMARY

This October was a typical autumn month, being dry and characterized by many clear and pleasant days. It was cool, but milder than the two preceding Octobers. Rainfall was well below normal, except somewhat above normal in southern Delaware and in Worcester and southern Somerset Counties. It averaged 52 percent of normal for the entire section. Occurrence of rain was confined to the first and third decades. There were no storm winds. Monthly sunshine was 5 to 10 percent above normal.

Temperatures were mild for the season during the 1st-2d, 6-8th, 17th-23d, and on the 28th; cool for the season during the 3d-5th, 9-16th, and 24-27th; very cool on the 4th and 15th; and warm for the season during the 29th-31st.

Monthly rainfall was less than 1 inch over eastern Garrett County and thence eastward into and over Frederick County and over Anne Arundel and extreme southeastern Baltimore Counties; it was between 1 and 2 inches over the remainder of the section, except between 2 and 3 inches over northern Delaware and over Dorchester, Wicomico, and Somerset Counties, between 3 and 4 inches over western Sussex and western Worcester Counties, and between 4 and 4.3 inches over eastern Sussex and eastern Worcester Counties.

A trace of snow fell on the 9th at Oakland.

Pastures good to excellent and heavy during the first half of the month declined to mostly good, except to mostly fair in southern Maryland and over most of the Eastern Shore during the second half of the month. Digging late potatoes became quite general during the first decade and continued thereafter; the crop was good west of Chesapeake Bay and mostly fair on the Eastern Shore. Pulling sweet corn, a good crop, ended during the first decade. Digging sweet potatoes, a fair to good crop; cutting and shocking field corn, a mostly good crop; and filling silos were in progress. The tomato harvest ended the first half of the month; the crop was good, except poor in the west-central counties of the Eastern Shore and at Northeast. Tomatoes were a total loss near Easton, were plentiful in the Hancock area, and were a glut at Joppa. Harvesting truck crops and gardens ended.

The first general killing frost of the autumn season occurred on the 4th over the northern-border counties and over the interior of the Eastern Shore; on the 15th over Montgomery, Howard, Prince Georges, and western Anne Arundel Counties; and on the 16th over the southern third of the section. Some uncut field corn was nipped, tomatoes were damaged, and potato vines turned black in western Maryland.

TEMPERATURE

The monthly mean for the section, 55.5°, is 0.7° below normal. The highest monthly mean was 64.4°, at Crisfield; the lowest, 47.4°, at Oakland. The highest temperature, 85°, occurred at Cumberland on the 18th and at Great Falls on the 29th; the lowest, 23°, at Oakland on the 11th. The greatest local monthly range was 59° at Unionville; the least, 35°, at Oxford.

PRECIPITATION

The monthly average for the section, 1.59 inches, is 1.47 inches below normal. The greatest monthly rainfall was 4.30 inches at Snow Hill; the least, 0.39 inch, at Mt. Savage Summit. The greatest 24-hour rainfall was 3.30 inches at Snow Hill on the 23d-24th. The average monthly snowfall, a trace, is 0.2 inch below normal.

MISCELLANEOUS PHENOMENA (WITH DATES)

Light fogs.—1, 5-8, 11-14, 17-19, 21-26, 28-31. Dense fogs.—1, 5-8, 12-14, 19, 22-26, 29-31. Frosts.—4-5, 10-11, 13-17, 28. Hail, light.—Ocean City, 9. Halos, lunar.—15, 16. Halos, solar.—22, 30. Killing frost, first of season.—See General Summary. Rainbows.—Millington and Rock Hall, 23. Thunderstorms.—9, 23. Wild geese southing.—Easton, 23; Clear Spring, 27. Winds, high.—2, 3, 9, 13, 16, 23, 26, 27, 31.

EVAPORATION STATION: Beltsville, Md. (Elevation, 120 feet)
U. S. Bureau Dairying Industry, Joseph B. Shepherd, in charge
(Evaporation Tank: 10 inches deep, 48 inches in diameter)

Precipitation, 1.24; evaporation, 3.110; average daily wind movement, 51.1.

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.	30.55	4	29.65	8	.....	.....	.....	.....	86	55	79	.....	326
Annapolis, Md.	30.51	4	29.64	8	9.0	.....	.....	.....	77	63	70	.....	215
Baltimore, Md.	30.55	30	29.68	11	9.1	30	nw.	9	79	50	66	.....	206
Elkins, W. Va.	30.48	4	29.70	8	5.9	29	nw.	2	93	53	78	60	467
Harrisburg, Pa.	30.52	4	29.61	8	7.1	26	nw.	27	82	49	64	60	345
Norfolk, Va.	30.47	4	29.70	23	8.8	25	n.	9	84	55	73	71	107
Philadelphia, Pa.	30.53	4	29.63	9	6.9	20	nw.	13	87	58	76	57	245
Pittsburgh, Pa.	30.43	4	29.76	7	10.0	31	nw.	21	82	53	65	57	387
Washington, D. C.	30.53	4	29.67	8	5.9	23	nw.	26	83	50	66	62	240

COMPARATIVE DATA FOR OCTOBER

Year	FOR MARYLAND						FOR DELAWARE					
	Temperature			Precipitation			Temperature			Precipitation		
	Mean	Highest	Lowest	Average	Average snowfall	No. of days with 0.1 in. or more	Mean	Highest	Lowest	Average	Average snowfall	No. of days with 0.1 in. or more
1895	50.7	82	4	1.93	T.	4	51.9	80	27	2.85	T.	4
1896	52.4	85	16	1.44	T.	5	54.0	84	28	3.16	0.0	0
1897	56.6	91	20	2.94	0.0	8	57.8	90	30	5.90	0.0	10
1898	56.8	89	17	4.87	T.	10	58.8	88	31	4.18	0.0	0
1899	57.1	88	15	2.60	0.0	5	58.3	83	29	3.61	0.0	0
1900	60.6	91	21	2.03	0.0	6	60.8	85	31	3.09	0.0	0
1901	54.8	92	16	1.14	T.	4	55.8	82	30	1.59	0.0	0
1902	57.2	89	17	5.72	T.	7	57.8	84	27	4.89	0.0	0
1903	56.2	89	20	4.06	T.	7	57.6	86	31	6.29	T.	0
1904	53.6	91	14	2.60	T.	3	53.8	80	26	2.78	0.0	0
1905	56.5	93	20	2.80	T.	6	57.8	89	31	2.05	0.0	0
1906	55.3	82	12	5.17	0.1	14	57.3	81	28	4.47	0.0	12
1907	51.1	83	15	2.34	T.	6	52.1	82	27	2.92	0.0	0
1908	57.3	90	15	2.34	0.0	6	59.2	88	33	1.81	0.0	6
1909	51.5	86	19	1.79	T.	6	53.2	82	25	1.22	0.0	0
1910	58.8	92	15	3.21	0.1	7	59.8	88	27	5.39	0.0	6
1911	56.2	85	23	3.47	T.	10	57.3	83	33	2.83	0.0	0
1912	57.9	93	18	1.54	T.	4	60.0	96	33	2.02	0.0	3
1913	57.9	92	13	4.55	0.1	11	59.5	80	30	4.67	0.0	10
1914	59.1	95	19	1.73	T.	6	60.6	87	26	1.77	0.0	0
1915	57.7	88	19	3.85	T.	9	59.4	87	30	4.08	0.0	0
1916	55.4	91	19	1.95	T.	5	57.0	89	29	1.53	0.0	4
1917	57.7	87	18	5.66	1.1	10	52.4	83	21	6.99	0.0	10
1918	59.6	89	21	1.43	0.0	6	59.4	85	29	0.99	0.0	4
1919	62.3	96	27	3.31	0.0	11	63.3	93	35	2.72	0.0	8
1920	60.2	91	25	0.84	0.1	3	61.0	86	34	1.07	0.0	2
1921	55.7	85	20	1.09	T.	5	56.8	82	31	1.00	0.0	4
1922	58.3	94	15	1.93	0.0	6	59.3	89	28	1.41	0.0	7
1923	54.8	90	18	2.39	T.	6	56.0	82	30	3.58	0.0	5
1924	55.9	88	15	0.40	0.0	2	56.8	84	30	0.39	0.0	2
1925	50.9	85	16	5.49	3.4	15	53.0	87	25	4.56	1.7	14
1926	55.8	94	21	3.40	0.1	10	56.8	81	26	2.46	0.0	9
1927	58.6	98	24	6.00	0.6	9	59.3	94	36	4.55	0.0	9
1928	57.7	90	13	1.02	T.	5	58.6	88	25	1.13	0.0	5
1929	53.4	85	23	5.58	0.1	9	55.0	80	23	4.33	0.0	6
1930	53.9	80	7	0.74	0.1	5	54.9	85	23	1.45	0.0	6
1931	59.1	91	22	1.69	T.	6	60.8	90	33	2.61	0.0	5
1932	56.5	88	22	6.35	0.1	9	58.6	85	30	6.70	0.0	8
1933	54.7	91	16	2.03	T.	6	56.8	85	26	1.27	0.0	6
1934	54.6	85	15	1.25	0.1	4	55.2	79	28	2.08	T.	5
1935	56.0	88	17	2.75	0.1	8	57.2	84	30	2.92	0.0	8
1936	57.6	85	16	3.24	T.	8	58.8	83	23	3.27	0.0	7
1937	53.4	87	14	7.29	0.1	13	55.5	82	26	5.47	T.	11
1938	56.5	92	19	1.75	0.0	7	58.1	86	33	2.33	0.0	7
1939	56.8	94	15	4.83	T.	9	58.7	92	27	4.63	0.0	9
1940	53.1	86	20	2.35	2.2	9	58.6	83	23	2.25	1.6	8
1941	61.8	99	20	1.63	0.0	7	63.0	97	24	1.58	0.0	6
1942	57.8	87	14	6.77	0.0	11	58.6	82	24	4.96	0.0	11
1943	54.2	86	19	5.08	T.	9	55.1	82	30	6.21	0.0	10
1944	54.8	89	17	3.52	T.	9	55.6	87	25	2.62	0.0	8
1945	55.4	85	23	1.43	T.	7	56.0	84	28	2.64	0.0	9
Period	56.1	99	4	3.04	0.2	7	57.3	97	21	3.15	0.1	7

Climatological Data for October 1945

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

All departures from normal are computed from the averages of the entire period for stations having 10 or more years of record... Thermometers are read in morning; maximum temperature then read is charged to preceding day...

Daily Precipitation for October 1945

Table with columns for Stations, Drainage basin, Day of month (1-31), and Total. Rows list various Maryland and Delaware locations with their respective precipitation amounts and weather symbols (T, F, etc.).

Except as otherwise indicated, amounts are for 24-hours ending late in afternoon. 1Midnight to midnight; recording gage. 2Measured in the morning; for the preceding 24-hours. 3Data for 24-hours ending at 1:30 a. m. of following day. T. Trace or 0.005 inch or less. *Included in next measurement. ITALICS Data interpolated. 1First-order Weather Bureau station. 2Water Pumping Station. 3University Farm. 4Municipal Building. 5Porter Reservoir. 6Midnight to midnight.

Daily Temperatures for October 1945

Table with columns for Stations (Delaware), Day of month (1-31), and Mean. Rows list Delaware locations (Bridgeville, Delaware City, Dover, Lewes, Millsboro, Newark, University Farm, Porter Reservoir, Washington, D. C.) with their daily maximum and minimum temperatures.

Daily Temperatures for October 1945-Continued

Table with columns for Stations (Maryland) and days 1-31, plus a Mean column. Rows list various stations such as Aberdeen, Annapolis, Baltimore, etc., with their respective temperature readings.

See page 38 for explanation of reference marks.

(WBO, Philadelphia Pa. - 1-23-46-1.2)