

CLIMATOLOGICAL DATA

15

MARYLAND AND DELAWARE SECTION

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GENERAL SUMMARY

This October was a typical autumn month, being characterized by many clear and pleasant days. The month was cool. Rainfall was slightly above normal, except slightly below normal over the extreme northeast portion of the section. Monthly sunshine was 5% above normal.

There were frequent alternations of cool and mild weather. The coolest or cold periods were 2-3d, 15-16th, 20-24th, and 27-29th; the mildest period was 6-8th.

Monthly rainfall was between 2 and 3 inches over the Eastern Shore, except slightly above 3 inches in Somerset, Wicomico, Worcester, eastern Sussex, and eastern Kent (Del.) Counties; between 3 and 4 inches in the central division, except slightly above 4 inches in Montgomery County, 4 to 5 inches in extreme northwestern Frederick County, and 3 to 5.4 inches in Calvert County, except less than 3 inches in the extreme southern portion thereof; between 4 and 5 inches in western Maryland, except slightly less than 4 inches in northeastern and extreme western Washington and eastern Allegany Counties and at Mt. Savage Summit and between 5 and 5.6 inches in extreme northwestern Allegany and northwestern Garrett Counties.

The northeast heavy rain of the 20th-21st was caused by a storm of tropical origin, whose center passed northeastward over the Eastern Shore in the morning of the 21st and reached Nantucket at night of the 21st. This storm had passed northward over the Florida Peninsula as a hurricane on the 19th and caused heavy fruit losses and property damage; it then lost its intensity.

Pastures and grasses were nicely green, were growing, and were good, except very good or excellent in some districts. Late potatoes and sweet potatoes improved, were developing, and were maturing. Digging late potatoes became general the last week; they were fair to good, except excellent at Grantsville. Digging sweet potatoes was general during the second and third decades; the crop was good and the yields were fair to good; they were fine quality at Chewsville. Pulling sweet corn ended the first week. The tomato harvest was ended by the damaging frost of the 16th. Cutting field corn, picking late apples and Kieffer pears, and harvesting truck crops ended the last week. The corn crop was mostly good, except excellent at Joppa; the fruit crops were good and plentiful; the truck crops were fair to good. Cutting late tobacco ended the second week; the early and late tobacco crops were good and were curing nicely. Threshing buckwheat in Garrett County was not finished. Early potatoes were dug at La Plata and Oakland. Alfalfa and soybeans were cut for hay at Bel Air. Wheat, rye, barley, winter oats, crimson clover, and alfalfa, sown in September, made good growth and were good to excellent. Kale, turnips, and greens were excellent at Joppa. Haying, filling silos, husking corn, and sowing grains were in progress.

TEMPERATURE

The monthly mean for the section, 54.9°, is 1.4° below normal. The highest monthly mean was 61.2° at Solomons; the lowest, 47.4°, at Mt. Savage Summit. The highest temperature, 89°, occurred at Snow Hill on the 7th; the lowest, 17°, at Oakland on the 16th and 23d. The greatest local monthly range was 64° at Tonoloway; the least, 42°, at Annapolis and Crisfield.

PRECIPITATION

The monthly average for the section, 3.42 inches, is 0.33 inch above normal. The greatest monthly rainfall was 5.57 inches at Friendsville; the least, 1.87 inches, at Aberdeen. The greatest 24-hour rainfall was 3.05 inches at Huntingtown on the 20th. The average monthly snowfall for this section, T., is 0.2 inch below normal.

MISCELLANEOUS PHENOMENA (WITH DATES)

Frosts, killing.—16 and 23, except along the shores of the central and southern Chesapeake Bay, along the shore of Delaware Bay, and along the Atlantic Coast; 28, except along the western shore of Chesapeake Bay and over the central and southern portions of the Eastern Shore.

Fogs, light.—1 to 26; 28 to 31. Fogs, dense.—1 to 7, 9, 10, 12 to 14, 16, 18, 19, 21, 23 to 26, 28 to 31. Hail, light.—Charlotte Hall, 9. Halo, lunar.—31. Halos, solar.—19, 31. Snow flurries.—Mountain region, 27. Thunderstorms.—7, 8, 9, 13. Tide, high.—Chesapeake Bay and Atlantic Coast, 20, 21. Winds, high.—7, 14, 15, 20, 21, 27, 28, 29.

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, 3.15; evaporation, 3.032; average daily wind movement, 47.1.

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.		
Aberdeen, Md.	30.56	16	29.47	21	8.4	34	ne.	20	82	52	76	359
Annapolis, Md.	30.52	16	29.46	21	8.4	34	ne.	20	83	51	77	227
Baltimore, Md.	30.55	16	29.49	21	9.4	34	ne.	20	78	51	67	246
Elkins, W. Va.	30.59	16	29.74	21	5.5	34	nw.	7	91	67	57	452
Harrisburg, Pa.	30.56	16	29.59	21	7.1	28	nw.	29	82	55	68	359
Norfolk, Va.	30.51	15	29.82	21	9.5	32	e.	20	84	57	76	72
Philadelphia, Pa.	30.56	15	29.49	21	8.6	30	e.	20	81	49	67	55
Pittsburgh, Pa.	30.58	15	29.74	14	9.1	25	w.	14	81	55	62	56
Washington, D. C.	30.49	16	29.42	21	6.0	24	ne.	20	84	52	65	64

COMPARATIVE DATA FOR OCTOBER

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	50.7	82	4	1.9	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	5
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	9
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	5
1901	54.8	82	16	1.14	T.	4	55.8	82	30	1.59	0.0	0
1902	57.2	89	17	5.72	T.	8	57.3	84	27	6.89	T.	6
1903	56.5	89	20	4.06	T.	7	57.6	86	31	6.23	T.	8
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	4
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	51.6	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	3
1911	56.2	85	23	3.47	T.	10	57.3	83	33	2.83	0.0	8
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	93	19	1.73	T.	6	60.6	87	26	1.77	0.0	4
1915	57.7	88	19	3.85	T.	9	59.4	87	30	1.08	0.0	8
1916	55.4	91	19	1.95	T.	5	57.0	89	29	2.32	0.0	4
1917	50.7	87	18	5.66	1.1	10	52.4	83	21	6.99	0.0	10
1918	53.6	89	21	1.43	0.0	6	54.4	85	29	0.89	0.0	0
1919	62.3	96	27	3.31	0.0	11	63.2	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	91	26	2.46	0.0	9
1927	58.6	98	24	6.00	0.6	9	59.3	94	35	4.85	0.0	9
1928	57.7	90	13	1.02	T.	6	58.6	88	25	1.13	0.0	6
1929	53.4	85	23	5.58	0.1	9	55.0	80	28	3.43	0.0	8
1930	53.0	89	7	0.74	0.1	5	54.9	86	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	65.5	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	7
1936	57.6	85	10	3.24	T.	5	58.8	83	23	3.27	0.0	0
1937	53.4	87	14	2.29	0.1	13	55.9	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	53.6	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	T.	11	58.6	82	24	4.96	0.0	11
1943	51.2	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												
Period	56.1	99	4	3.08	0.2	7	57.4	97	21	3.18	0.1	7

Climatological Data for October 1944

Table with columns: STATIONS, COUNTIES, Elevation, Length of record, Temperature (Mean, Departure from normal, Highest, Date, Lowest, Date, Total), Precipitation (Departure from normal, Greatest in 24 hours, Date, Total snowfall, With precip., Clear, Partly cloudy, Cloudy), Number of days (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 1944

Table with columns for Stations, Drainage basin, Day of month (1-31), and Total. Rows list various locations like Aberdeen, Annapolis, Baltimore, etc., with their respective precipitation amounts for each day.

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. †TALICS Data interpolated. ‡First-order Weather Bureau station. ‡Water Pumping Station. ‡University Farm. ‡Municipal Building. ‡Porter Reservoir.

Daily Temperatures for October 1944

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

Daily Temperatures for October 1944-Continued

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

See page 39 for explanation of reference marks.

(W.B. Richmond, Va., 1-5-45-1,200)