

CLIMATOLOGICAL DATA

15

MARYLAND AND DELAWARE SECTION

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GENERAL SUMMARY

September temperatures and precipitation for the section averaged near normal; however, precipitation was slightly above normal for Maryland and below normal for Delaware.

Temperatures from the 1st to the 16th were normal or below except for the 7th-10th, inclusive. Temperatures for the 7th-10th averaged 6°-10° above normal and the highest temperatures of the month were recorded at most stations on the 8th and 9th. Temperatures were above normal the remainder of the month except for the 30th when cool weather and below normal temperatures again overspread both the States of Maryland and Delaware. The temperature for the period from the 20th to the 30th averaged near 5° above normal. Mean temperatures for the month ranged from a low of 58.8° at Sines, Maryland, in Garrett County, to 73.6° at Crisfield, Maryland, in Somerset County. In general, temperatures in the area adjacent to the Chesapeake Bay and on the Del-Mar Peninsula averaged between 68° and 70°.

The period from the 1st to the 20th was generally dry with most stations reporting less than a total of $\frac{1}{2}$ inch of rain. Showers were general on the last five of the remaining days of the month and many stations reported amounts between 1-2 inches on two or more of these days. Solomons, Maryland, with 6.33 inches and Emmitsburg, Maryland, with 6.28 inches, reported the greatest amounts for the month. Several stations in Maryland reported over 4 inches while only three stations in Delaware had as much as 3 inches. Departures from normal varied from +3.39 inches (Solomons) to -1.19 inches (Great Falls) in Maryland, and were all negative in Delaware with the highest departure, -1.44 inches, reported at Dover, Delaware.

The cool dry weather during the first half of the month retarded crops somewhat but favored farming operations and harvesting of crops and tree fruits. The beneficial rains and warm weather during the latter part of the month favored the growth and maturing of grains, crops, pastures, and fruits. By the end of the month, prospects for the corn crop were good to excellent. Pulling of sugar corn was ending and a good crop had been harvested. Pastures which had declined to a fair to good condition during the first half of the month were mostly good to excellent by the end of the month. Cool weather and heavy dew deposits during the first 20 days of the month favored spreading of the tomato blight over much of the section. The tomato crop for many counties along the Bay and along the Del-Mar Peninsula was less than half of normal due to the blight. Late white and sweet potatoes were good and maturing. Some were dug in western counties. Late tree fruits were ripening and being picked. In general, prospects for the apple crop were very good. They were of a good size and in good condition. Other fruit crops, such as pears and peaches, varied from poor to fair. Late gardens were very good and early sown grains were doing nicely.

TEMPERATURE

The monthly mean temperature for the section was 68.0°, which was 0.3° above normal. The highest monthly mean was 73.6° at Crisfield, Maryland; the lowest, 58.8°, at Sines, Maryland. The highest temperature, 99°, occurred at Cumberland, Maryland, on the 9th; the lowest, 30°, at Oakland, Maryland, on the 15th-16th. The greatest local monthly range was 63° at Hancock, Maryland; the least, 32°, at Solomons, Maryland.

PRECIPITATION

The monthly average for the section, 3.52 inches, was 0.16 inch above normal. The greatest monthly rainfall was 6.33 inches at Solomons, Maryland; the least, 1.71 inches, at Luke, Maryland. The greatest 24-hour rainfall was 4.35 inches at Solomons, Maryland, on the 20th-21st.

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, 4.32; evaporation, 5.666; average daily wind movement, 46.8.

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.	30.37	5	29.79	30	7.0	...	...	...	90	58	83	36
Annapolis, Md.	30.36	5	29.76	30	7.0	...	...	...	85	62	73	6
Baltimore, Md.	30.39	5	29.81	30	8.0	...	nw.	...	82	54	70	11
Elkins, W. Va.	30.39	5	29.88	10	4.5	27	nw.	10	92	47	72	124
Harrisburg, Pa.	30.41	5	29.78	10	6.0	26	nw.	30	89	52	69	47
Norfolk, Va.	30.30	18	29.76	30	9.1	25	nw.	30	89	67	80	1
Philadelphia, Pa.	30.33	6	29.74	30	6.7	20	se.	21	87	53	71	21
Pittsburgh, Pa.	30.32	18	29.79	10	8.3	31	w.	10	83	47	62	32
Washington, D. C.	30.37	6	29.82	30	5.7	25	nw.	30	81	53	69	73

COMPARATIVE DATA FOR SEPTEMBER

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	70.4	101	27	2.08	T.	4	71.2	99	39	1.92	0.0	4
1896	66.3	94	28	4.39	0.0	7	67.1	93	36	3.96	0.0	7
1897	66.7	100	22	1.67	0.0	5	67.9	97	40	1.55	0.0	3
1898	69.3	100	29	1.80	0.0	7	70.3	97	44	3.35	0.0	6
1899	65.3	99	25	4.85	0.0	7	66.4	92	39	2.81	0.0	8
1900	72.0	103	29	3.47	0.0	6	71.6	95	43	2.75	0.0	6
1901	66.4	94	29	3.08	0.0	8	68.1	94	42	2.45	0.0	6
1902	66.0	101	25	6.19	0.0	10	67.4	92	42	6.14	0.0	10
1903	66.0	98	24	1.97	0.0	5	67.2	90	36	3.29	0.0	6
1904	67.1	99	27	3.66	0.0	5	67.5	95	33	3.21	0.0	5
1905	67.0	94	24	2.68	0.0	6	67.2	91	38	4.81	0.0	8
1906	70.6	94	36	1.25	0.0	6	72.2	98	47	1.51	0.0	6
1907	68.2	95	30	6.21	0.0	12	69.6	93	35	6.39	0.0	11
1908	65.9	94	24	2.39	0.0	3	66.8	90	40	2.49	0.0	4
1909	65.4	92	23	3.35	0.0	5	66.5	87	39	3.94	0.0	4
1910	69.4	98	32	1.90	0.0	6	69.9	96	46	0.76	0.0	9
1911	69.2	95	30	2.80	0.0	8	69.3	91	41	2.00	0.0	6
1912	69.1	102	30	5.93	0.0	10	70.2	102	39	4.65	0.0	10
1913	66.5	102	22	2.65	T.	7	68.1	91	41	3.92	0.0	8
1914	64.6	98	21	1.20	0.0	4	66.5	97	34	0.68	0.0	3
1915	69.2	98	31	2.26	0.0	6	71.1	99	36	0.90	0.0	4
1916	65.1	98	26	3.39	0.0	7	66.5	94	38	3.64	0.0	6
1917	62.5	93	27	2.62	0.0	7	63.5	91	37	3.35	0.0	6
1918	63.2	88	27	3.73	0.0	8	64.2	87	37	3.92	0.0	8
1919	68.1	100	31	2.34	0.0	4	68.3	94	40	2.23	0.0	4
1920	67.7	92	35	3.11	0.0	6	68.4	89	40	2.87	0.0	6
1921	72.5	99	37	3.48	0.0	9	73.4	98	45	2.16	0.0	7
1922	68.6	100	27	2.61	0.0	4	68.9	93	39	2.26	0.0	4
1923	68.2	92	28	3.45	0.0	9	68.8	88	39	3.93	0.0	7
1924	62.9	101	30	6.06	0.0	12	64.8	98	40	5.68	0.0	11
1925	71.4	100	35	1.78	0.0	7	72.3	94	39	1.06	0.0	4
1926	67.8	93	35	5.15	0.0	11	68.5	93	44	3.81	0.0	7
1927	67.8	99	26	1.86	0.0	4	68.0	96	38	2.04	0.0	6
1928	63.1	92	28	4.45	0.0	10	64.9	93	34	6.57	0.0	12
1929	68.2	100	25	3.58	0.0	8	69.4	96	40	3.99	0.0	8
1930	72.9	102	33	1.31	0.0	6	73.8	100	42	2.80	0.0	5
1931	72.0	100	30	2.61	0.0	8	73.5	98	43	2.00	0.0	5
1932	67.9	106	25	2.20	0.0	6	69.3	97	37	2.20	0.0	6
1933	70.0	94	37	3.20	0.0	11	71.6	94	46	3.44	0.0	10
1934	68.5	92	36	9.86	0.0	14	70.0	90	46	9.12	0.0	13
1935	65.0	92	28	7.60	0.0	7	66.2	87	38	10.97	0.0	9
1936	69.3	97	29	2.14	0.0	7	69.5	92	42	4.73	0.0	9
1937	64.1	96	26	1.75	0.0	6	65.4	93	38	1.48	0.0	6
1938	65.6	92	32	5.80	0.0	13	67.3	90	39	8.36	0.0	12
1939	68.7	100	31	3.25	0.0	7	69.5	95	44	1.97	0.0	7
1940	64.4	95	25	3.35	0.0	6	65.6	91	32	3.20	0.0	6
1941	70.0	100	31	0.57	0.0	3	71.0	97	38	0.25	0.0	2
1942	68.0	95	19	3.03	0.0	8	69.3	92	32	2.75	0.0	8
1943	65.7	99	25	1.85	0.0	6	67.4	99	36	1.79	0.0	6
1944	67.9	95	32	4.86	0.0	12	69.9	96	39	6.86	0.0	10
1945	70.5	94	37	5.57	0.0	10	71.7	94	44	4.50	0.0	10
1946	67.9	99	30	3.61	0.0	7	68.8	94	40	2.91	0.0	6
Period	67.6	106	19	3.36	T.	7	68.7	102	32	3.44	0.0	7

Climatological Data for September 1946

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), Number of days (Total snowfall, 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... Observers: U. S. Army, U. S. Navy, U. S. Weather Bureau, etc.

Daily Temperatures for September 1946-Continued

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

See page 34 for explanation of reference marks.