

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

IN COOPERATION WITH MARYLAND STATE WEATHER SERVICE

CLIMATOLOGICAL DATA

15 MARYLAND AND DELAWARE SECTION

J. B. WEEKS

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VOL. XLV BALTIMORE, MD.; APRIL 1941 No. 4

GENERAL SUMMARY

This April was the warmest since 1921, the sunniest since 1899, and the first without any snow in Maryland. The number of days with rain was the least in April since 1899. The bulk of the monthly rainfall fell during the first five days. The longest dry spell of record in April occurred between the general heavy rain of the 5th and the moderate to heavy rain of the 23d-24th. Monthly sunshine was 15% above normal. There was no damage by frost or wind. There were 991 forest fires, which destroyed 28,330 acres of Maryland State woodland.

Cool periods were 5-8th and 22d-26th. The 14-20th was summer-like, with an average daily mean temperature 20° above normal. Otherwise, the weather was mild.

Monthly rainfall was below normal, except slightly above normal over the southeastern portion of the section. Totals were mostly between 3 and 4 inches over the eastern half and mostly between 2 and 3 inches over the western half of the section.

Grains, grasses, and pastures greened nicely, made good and rapid growth, and improved to good to excellent. Plowing, preparing the ground for corn, planting early potatoes, peas, other vegetables, and gardens, and sowing oats and clover progressed rapidly, but did not begin in the Allegheny Mountain region until the third decade. Early planted and early sown seeds germinated quickly and the plants advanced rapidly. Sweet potatoes and tomato and tobacco seeds in beds sprouted.

During the last decade: Rye was heading, early potatoes were coming up or were up, early pea plants were good stands, and corn planting began in the eastern and central divisions; oats were heading in the extreme southern counties; peach, pear, and cherry trees finished blooming in the northern counties and were fruiting in the central and southern counties; and apple trees and strawberry plants were blooming in western Maryland and were in full bloom in the central and eastern divisions.

TEMPERATURE

The monthly mean for the section, 56.8° , is 4.6° above normal. The highest monthly mean was 60.6° at Washington; the lowest, 50.1° , at Sines. The highest temperature, 97° , occurred at Cumberland on the 20th; the lowest, 17° , at Oakland on the 3d. The greatest local monthly range was 70° at Oakland; the least, 42° , at Delaware Breakwater. The greatest daily range was 50° at Oakland on the 13th and at Sines on the 29th.

PRECIPITATION

The monthly average for the section, 2.97 inches, is 0.59 inch below normal. The greatest monthly amount was 4.57 inches at Crisfield; the least, 1.88 inches, at Cumberland. The greatest 24-hour rainfall was 2.33 inches at Clear Spring on the 5th. The average number of days with 0.01 inch or more of precipitation, 5, is 5 below normal.

MISCELLANEOUS PHENOMENA (WITH DATES)

Aurora: Annapolis, 2. *First catbird:* Princess Anne, 26. *Fogs, light:* 1, 2, 4 to 7, 9, 11, 13, 18, 19, 20, 23, 24. *Fogs, dense:* 4 to 7, 18, 19, 23, 24. *Frosts:* 3, 7, 8, 9, 22, 24, 25 to 30. *Halos, lunar:* 3, 13. *Halos, solar:* 3, 17, 28. *Rainbows:* Clear Spring, 18; Frostburg, 20. *Sundog:* Chewsville, 12. *Thunderstorms:* 2, 5, 11, 16, 18, 19. *Winds high:* 5, 14, 20, 21, 22, 27.

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.	30.39	12	29.52	5	8.9	32	se.	5	71	262
Annapolis, Md.	30.40	13	29.50	5	8.5	31	nw.	21	71	223
Baltimore, Md.	30.40	12	29.54	5	10.3	31	nw.	20	84	213
Elkins, W. Va.	30.46	29	29.56	5	5.3	26	sw.	20	66	330
Harrisburg, Pa.	30.40	25	29.60	20	7.9	31	s.	20	69	256
Norfolk, Va.	30.41	13	29.50	1	9.4	32	se.	5	80	203
Philadelphia, Pa.	30.44	12	29.55	5	11.9	35	sw.	20	72	236
Pittsburgh, Pa.	30.44	22	29.60	5	9.8	42	nw.	21	66	253
Washington, D. C.	30.41	22	29.54	5	6.7	22	nw.	22	65	204

COMPARATIVE DATA FOR APRIL

Year	FOR MARYLAND				FOR DELAWARE				Average showfall with 0.1 in. or more	No. of days with 0.1 in. or more	
	Temperature		Precipitation		Temperature		Precipitation				
	Mean	Highest	Lowest	Average	No. of days with 0.1 in. or more	Mean	Highest	Lowest	Average		
1895	52.4	89	18	5.17	0.1	52.1	89	28	5.39	0.0	
1896	55.9	97	12	1.42	0.7	55.9	98	22	1.46	6	
1897	52.1	94	15	2.97	0.1	52.8	89	26	3.18	7	
1898	50.3	86	6	2.67	2.4	50.1	82	21	3.66	12	
1899	53.1	94	14	1.60	0.3	52.3	84	22	1.56	3	
1900	52.3	86	16	1.93	0.4	53.2	79	24	2.39	6	
1901	49.1	90	15	5.74	2.0	49.9	81	31	5.12	9	
1902	51.7	102	16	3.38	2.8	52.4	90	27	4.25	9	
1903	52.4	95	13	4.06	T.	52.8	93	25	3.66	T.	
1904	49.1	87	10	2.47	0.2	49.5	84	24	2.40	7	
1905	52.8	88	8	2.82	0.6	52.7	85	26	3.07	T.	
1906	54.1	96	10	3.23	0.7	54.4	89	26	2.35	0	
1907	47.0	86	9	3.33	2.0	47.4	83	23	3.36	5	
1908	54.5	90	19	2.30	T.	55.8	87	24	2.81	11	
1909	52.6	59	5	3.51	0.9	53.7	86	25	4.30	T.	
1910	55.9	92	20	5.58	0.2	55.2	87	28	3.66	0	
1911	48.9	88	0	3.20	1.5	49.7	79	25	3.66	T.	
1912	54.7	87	21	2.72	T.	54.3	88	27	2.83	T.	
1913	53.9	90	11	4.41	T.	56.2	83	29	5.14	T.	
1914	51.5	89	15	3.89	0.1	52.5	85	24	3.58	T.	
1915	56.9	100	10	1.56	4.5	57.8	97	25	2.44	9	
1916	51.4	89	17	3.10	4.3	51.5	87	28	2.42	1.1	
1917	52.4	90	14	2.41	4.0	52.4	89	24	2.52	8	
1918	51.0	83	15	5.90	5.7	52.3	81	28	4.33	0.2	
1919	51.7	88	11	3.24	0.1	52.4	81	21	3.91	T.	
1920	50.8	88	12	4.77	0.6	52.3	84	26	3.93	T.	
1921	58.0	92	16	3.13	0.7	58.5	88	26	3.61	6	
1922	54.0	93	17	1.84	0.1	54.2	88	28	2.32	0	
1923	51.5	88	-3	4.15	1.1	52.0	83	11	4.22	0.1	
1924	50.0	83	13	4.94	5.8	50.4	79	20	5.52	2.4	
1925	55.2	97	20	2.49	0.2	55.3	89	25	2.96	0	
1926	49.9	89	18	1.72	0.5	50.8	88	25	1.91	T.	
1927	49.9	91	18	4.91	1.7	50.3	94	28	3.09	1.2	
1928	49.9	85	14	5.85	4.4	50.8	82	23	5.88	0.6	
1929	55.4	94	25	6.44	0.2	56.0	95	32	6.74	0	
1930	50.6	93	18	2.54	0.6	50.7	85	25	1.99	T.	
1931	51.3	84	18	3.05	1.6	51.9	78	28	3.31	0	
1932	50.3	84	16	2.18	0.4	51.6	80	29	2.52	T.	
1933	52.8	88	20	5.44	0.1	53.1	80	28	5.42	0	
1934	51.9	86	19	2.60	0.2	52.0	82	29	3.13	T.	
1935	49.9	92	14	3.76	2.3	50.9	85	30	3.81	T.	
1936	49.6	90	11	2.82	0.3	51.2	85	28	3.01	T.	
1937	51.1	94	19	6.52	0.2	52.3	88	28	5.19	T.	
1938	54.8	94	19	1.76	0.2	55.3	88	25	1.87	T.	
1939	51.2	93	16	5.03	0.2	52.0	88	27	5.66	T.	
1940	48.2	84	13	5.92	1.8	47.9	80	22	5.69	2.2	
1941	56.9	97	17	2.94	0.0	56.3	91	28	3.19	0.0	
Period	52.1	102	-3	3.56	1.2	52.7	99	11	3.58	0.5	

Climatological Data for April 1941

STATIONS	COUNTIES	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, in inches			Number of days			OBSERVERS			
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmixed)	With precip. 0.01 in. or more	Partly cloudy	Cloudy		
															Clear				
<i>Maryland</i>																			
Aberdeen	Harford	26	23	57.6	+6.5	91	20	32	9	39	2.03	-1.33	0.66	0.0	6	15	8	n.	
Annapolis	Anne Arundel	45	76	59.3	+6.0	95	20	39	37	3.28	-0.42	1.82	0.0	5	13	11	6	s.	
Baltimore*		14	71	60.4	+6.8	94	20	39	36	3.29	-0.05	1.74	0.0	7	14	9	7	n.	
Bell††	Prince Georges	151	21	56.6	+4.4	93	20	26	46	3.09	-0.83	1.25	0.0	5	7	6	se.		
Cambridge (near)	Dorchester	13	45	57.3	+2.8	88	20	31	38	3.35	+0.28	1.40	0.0	4	21	4	5	nw.	
Charlotte Hall	St. Marys	167	20	58.4	+5.0	91	20	32	41	4.20	+0.40	1.20	0.0	6	20	4	6	sw.	
Cheltentown	Prince Georges	230	47	57.7	+4.1	92	20	32	37	3.57	-0.27	1.38	0.0	6	18	6	6	nw.	
Chestertown	Kent	35	36	56.8	+4.6	90	20	31	38	2.68	-0.62	2.68	0.0	6	15	5	5	n.	
Chewsville	Washington	630	44	55.0	+4.8	89	20	28	3	44	2.62	-0.31	1.97	0.0	7	18	6	6	ne.
Cleas Spring	do	560	42	55.6	+5.0	91	20	27	7	43	3.64	+0.18	2.83	0.0	9	15	5	6	sw.
Coleman††	Kent	80	44	57.8	+5.0	92	20	33	3	37	3.11	-0.33	1.10	0.0	5	20	5	5	sw.
College Park	Prince Georges	160	55	57.4	+4.5	92	20	29	9	44	2.70	-0.72	1.20	0.0	7	17	7	6	nw.
Conowingo Dam	Harford	40	6	56.2	.....	91	20	31	9	41	2.82	.....	0.80	0.0	5	18	6	6	....
Crisfield	Somerset	5	22	59.2	+4.5	85	17	37	8	29	4.57	+0.99	1.81	0.0	5	16	8	6	s.
Cumberland	Allegany	623	71	58.3	+6.4	97	20	29	3	49	1.38	-1.21	1.50	0.0	4	22	2	6	nw.
Darlington	Harford	360	51	56.4	+5.2	90	20	31	9	44	3.67	-0.69	1.33	0.0	4	17	7	6	....
Dundalk	Baltimore	12	7	58.4	.....	92	20	34	3	39	3.28	.....	1.55	0.0	7	14	9	7	n.
Easton	Talbot	85	51	57.6	+4.4	90	20	33	9	36	3.48	+0.12	1.02	0.0	6	21	4	5	n.
Edgemont	Washington	920	3	55.4	.....	91	20	31	9	36	1.98	.....	1.35	0.0	4	21	4	5	....
Elkton	Cecil	28	15	57.4	+5.9	91	20	31	4	41	2.27	-0.61	1.90	0.0	4	21	4	5	sw.
Emmitsburg (near)	Frederick	720	75	57.4	+5.7	87	20	35	4	32	2.78	-0.74	1.30	0.0	6	24	0	6	w.
Fallston††	Harford	450	72	57.2	+6.5	90	20	33	3	38	3.16	-0.52	1.50	0.0	5	21	3	6	se.
Ferry Landing††	Calvert	120	25	59.0	+5.6	93	20	33	3	38	3.59	-0.13	1.25	0.0	6	21	3	6	....
Frederick	Frederick	325	72	58.6	+5.8	91	20	31	4	41	3.67	+0.28	1.70	0.0	4	19	5	6	n.
Friendsville	Garrett	1,980	23	53.0	+5.9	88	20	21	3	47	1.93	-1.56	1.30	0.0	5	17	6	7	....
Frostburg	Allegany	1,950	40	55.0	+5.7	85	19	27	3	40	2.22	-1.56	2.00	0.0	2	19	5	6	w.
Georgetown	Cecil	25	5	57.7	.....	88	20	30	3	37	3.02	.....	1.00	0.0	5	21	4	5	se.
Germantown	Montgomery	460	1	58.4	.....	91	20	32	3	40	2.20	.....	1.37	0.0	5	18	6	6	nw.
Grantsville	Garrett	2,320	48	57.8	+4.9	98	20	28	4	48	2.78	-0.44	1.25	0.0	4	18	6	6	se.
Great Falls††	Montgomery	200	58	57.8	+4.9	98	20	28	4	48	2.78	-0.44	1.25	0.0	4	18	6	6	se.
Hancock	Washington	540	32	53.0	.....	92	20	32	3	36	4.07	.....	1.20	0.0	4	21	4	5	se.
Huntingtown	Calvert	160	6	58.0	+6.6	91	20	31	4	35	2.34	-1.01	1.60	0.0	7	19	5	6	s.
Keedysville	Washington	420	38	56.9	+4.3	92	20	26	3	47	1.16	-1.01	1.58	0.0	7	17	6	7	....
Laurel	Prince Georges	300	47	57.7	+5.3	92	20	32	3	37	2.87	-0.74	1.42	0.0	4	17	7	6	....
Leonardtown	St. Marys	50	17	58.4	+4.2	91	20	31	9	39	4.07	+0.55	1.15	0.0	7	18	7	5	e.
Luke	Allegany	950	4	56.4	.....	92	20	30	9	44	3.59	.....	1.50	0.0	6	21	4	5	....
Lutherville	Baltimore	340	15	56.4	+5.4	92	20	30	9	44	3.50	-1.22	1.60	0.0	5	24	0	6	w.
Maryland Line	do	840	17	56.8	+6.6	91	20	31	4	35	2.34	-1.01	1.67	0.0	5	24	0	6	se.
Millington	Kent	27	44	56.6	+3.6	90	20	30	3	41	2.64	-0.88	0.87	0.0	5	21	4	5	s.
Mt. Savage Summit††	Garrett	2,852	9	51.3	.....	87	20	26	3	40	2.16	.....	1.87	0.0	5	15	8	7	nw.
Oakland	do	2,420	44	50.4	+4.5	87	20	17	3	50	2.36	-1.56	1.46	0.0	8	17	7	6	w.
Ocean City	Worcester	10	3	53.2	.....	88	14	35	3	44	2.53	-1.07	1.36	0.0	8	15	10	5	sw.
Oxford	Talbot	10	5	59.8	.....	89	15	38	3	33	3.48	.....	1.46	0.0	5	21	4	5	....
Perry Point	Cecil	1,030	15	56.7	+5.9	91	20	26	3	45	2.23	-1.51	1.35	0.0	6	21	3	6	nw.
Picardy††	Allegany	37	33	57.3	+2.5	89	20	32	1	35	3.42	-0.03	1.53	0.0	6	16	8	6	sw.
Pleasant Hill††	Baltimore	750	11	56.6	+6.3	90	20	31	3	35	2.44	-1.19	1.13	0.0	5	15	10	5	ne.
Prettyboy Dam††	Baltimore	17	66	56.6	+2.7	90	20	30	9	45	3.70	-0.19	1.60	0.0	6	15	6	5	se.
Princess Anne	Somerset	17	66	56.6	+2.7	90	20	30	9	45	3.70	-0.19	1.60	0.0	6	15	10	5	se.
Ridgely	Caroline	67	51	58.0	+5.0	90	20	31	3	40	3.03	-0.29	1.11	0.0	5	19	6	6	....
Rock Hall	Kent	20	28	56.2	.....	90	20	27	3	41	3.31	-0.21	1.46	0.0	5	21	3	6	nw.
Salisbury	Wicomico	31	36	56.2	+2.2	90	20	29	4	42	3.65	+0.41	1.00	0.0	5	18	8	4	ne.
Silver Spring	Montgomery	310	3	58.2	.....	92	20	33	4	36	2.78	.....	1.42	0.0	4	17	7	6	n.
Simes (Deep Creek)††	Garrett	2,030	17	50.1	+5.1	87	20	20	3	50	2.21	-2.14	0.80	0.0	7	17	6	7	sw.
Snow Hill	Worcester	20	26	55.5	+3.0	90	20	28	4	49	3.50	+0.38	1.30	0.0	5	15	8	7	se.
Solomons	Calvert	20	50	57.4	+3.4	89	20	36	4	45	3.26	+1.28	1.33	0.0	5	20	5	5	se.
State Sanatorium	Frederick	1,460	33	56.6	+6.1	88	20	32	3	35	2.81	-0.71	2.10	0.0	5	24	0	6	....
Stevensville	Queen Annes	12	15	57.9	+5.0	88	15	36	3	35	3.20	-1.21	1.60	0.0	4	19	5	6	....
Takoma	Montgomery	320	43	59.9	+6.9	94	20	33	3	38	2.65	-0.76	1.13	0.0	5	18	6	6	....
Tonowaway††	Washington	550	17	55.2	+4.7	93	20	24	3	48	2.21	-1.59	1.45	0.0	7	21	3	6	nw.
Towson	Baltimore	475	30	56.2	.....	90	20	27	3	41	3.31	-0.21	1.46	0.0	4	18	6	6	....
Unionville	Frederick	450	50	54.8	.....	90	20	27	4	45	2.95	.....	1.33	0.0	5	19	5	6	sw.
Western Port	Allegany	1,000	48	57.0	+5.4	96	20	26	3	47	1.99	-1.00	1.48	0.0	7	24	0	6	....
Westminster	Carroll	770	32	57.0	+5.5	92	20	30	8	38	3.06	-0.26	1.60	0.0	4	24	0	6	s.
Williamsport	Washington	360	3	56.2	.....	90	20	27	3	39	2.89	.....	1.76	0.0	7	20	4	6	nw.
Woodstock	Baltimore	415	72	56.2	+4.1	93	20	27	9	45	3.07	-0.25	1.33	0.0	6	20	4	6	nw.
<i>Dist. of Columbia</i>																			
Washington**		72	71	60.6	+7.3	94	20	37	3	33	2.73	-0.54	1.13	0.0	6	15	8	7	nw.
<i>Delaware</i>																			
Bridgewater	Sussex	45	51	56.5	+3.6	91	20	28	9	44	3.33	+0.03	1.10	0.0	6	19	7	4	e.
Delaware Breakwater	do	40																	

Daily Precipitation for April 1941

Stations	Drainage basin	Day of month																																
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total	
Maryland																																		
Aberdeen ⁴	Atlantic	.32	.50		T.	.66	.08																										2.01	
Annapolis ⁴	do	.92	.42		T.	1.32	T.																									3.21		
Baltimore ¹	do	.92	.11		.02	1.72	T.																									3.21		
Bell	do	.40	.86			1.25	T.																									3.09		
Cambridge (near)	do	25	1.40			1.20	T.																									3.94		
Cheltenham ⁴	do	T.	1.34			1.38	.08	.03																							3.54			
Chestertown	do	* 1.24				.83	T.																									2.60		
Chesapeake	do	.08	.18		T.	1.97	.02																									2.62		
Clear Spring	do	.11	.09		.05	2.33	.09																									3.64		
Coleman	do	32	1.00			1.10	.07																									3.11		
College Park	do	.48	.49			1.20	.02	.01																							2.70			
Conowingo Dam ⁴	do	T.	.80			.50	.80	.07																							2.82			
Crisfield	do	88	1.81			1.36	T.																								4.57			
Cumberland ⁴	do	T.	T.			1.50	.10	T.																							1.88			
Darlington	do	* 32				1.33	T.																								2.67			
Easton	do	.54	.96			1.62	.08																								3.48			
Edgemont ⁴	do	T.	.30			1.00	.35	T.																							1.98			
Elkton	do	.13	.60			1.90	T.																								3.27			
Emmitsburg (near)	do	.05	.40			T.	1.90	.04																							2.78			
Fallston	do	.21	.64			1.60	.04																								3.10			
Ferry Landing	do	.67	.71			1.25	.01																								3.59			
Frederick ⁴	do	T.	.72			1.70	.83	T.																							3.67			
Friendsville	Ohio	T.				.05	1.30	T.																							1.93			
Frostburg	Atlantic	T.				T.	2.00	T.																							2.22			
Georgetown	do	* 1.32				.92	.05																								3.02			
Germantown	do	.12	.40			1.37	T.																								2.20			
Great Falls ⁴	do	T.	1.10			1.25	.08	T.																							2.73			
Hancock ⁴	do	T.	.02			1.09	.20	.02																							1.94			
Huntingtown	do	.82	1.03			1.20	T.																								4.07			
Keedysville	do	.11	.04			T.	1.58	.03																							2.10			
Laurel	do	.51	.49			1.42	T.																								2.87			
Leonardtown	do	1.15	.53			1.10	.02	.02																							4.07			
Luke ⁴	do	T.	T.			1.49	.06																								1.88			
Lutherville	do	.15	1.10			1.60	.05																								3.50			
Maryland Line	do	.10	.66			1.07	.06																								2.34			
Milington	do	.33	.77			1.87	.05	T.																							2.64			
Mt. Savage Summit ⁴	do	T.				.09	1.78	.01																							2.10			
Oakland	Ohio	.04				0.31	1.46	T.																							2.30			
Ocean City ⁶	Atlantic	.73	.34			.01	.64	.02																							2.55			
Oxford	do	.36	1.36			.81	.01																								3.48			
Perry Point	do	.20	.58			1.46	.02																								2.55			
Picardy	do	T.				T.	1.35	*																							2.22			
Pleasant Hill	do	.17	.82			1.35	.07																								2.98			
Pocomoke City ⁴	do	* 1.53	.01			1.03	.27																								3.42			
Prettyboy Dam	do	* 72				*	1.19																								2.44			
Princess Anne ³	do	1.60	.20			1.20	T.																								3.70			
Ridgely	do	26	1.11			.78	.02																								3.03			
Salisbury	do	.70	.90			1.00	T.																								3.65			
Silver Spring	do	.57	.39			1.42	T.	T.																							2.78			
Sines ⁴	Ohio	.01				80	.74	.14																							2.21			
Snow Hill	Atlantic	.60	.96			1.30	T.																								3.50			
Solomons	do	.71	1.33			1.13	T.	T.																							4.26			
State Sanatorium	do	.05	.31			T.	2.10	.05																							2.81			
Stevensville	do	.26	1.50			.80	T.																								3.20			
Takoma	do	.95	.14			T.	1.13	T.	.02																					2.65				
Tonowaway	do	T.				T.	1.45	.04																						2.21				
Towson ⁴	do	.97				T.	1.46	.27	T.																					3.31				
Unionville	do	.18	.71			T.	1.53	.02																						2.95				
Western Port	do	T.				T.	1.48	.07																						3.00				
Westminster ⁴	do	T.	.95			1.00	.73	T.																						2.32				
Williamsport ⁴	do	T.	.17			1.27	.52	.01																						3.07				
Woodstock	do	.55	.60			1.33	.05																								2.75			
Washington, D. C. ¹	do	.95	.10			0.2	1.11	T.																							3.32			
<i>Delaware</i>																																		
Bridgewater	Atlantic	.47	.69			1.10	.02																								3.93			
Delaware Breakwater ³	do	.80	.16			T.	1.17	.03																							3.11			
Delaware City	do	.04	.78			1.04	.07																								2.56			
Dover	do	.18	1.07			1.32	.04																								3.30			
Milford	do	.45	1.26			1.05	.03																								4.08			
Millsboro	do	* 1.60				1.67	.02																								4.46			
Newark ¹¹	do	* 72				*	*																											

Except as otherwise indicated, observations are generally made late in afternoon, near sunset, and precipitation recorded is for the 24 hours ending at time of observation.

¹First-order Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight. ²Precipitation is for 24-hour period, midnight to midnight. ³Precipitation is for 24-hour period, 0:20 p.m. to 0:20 p.m. ⁴Precipitation is measured in the morning; amount then recorded is for the preceding 24 hours.

⁵Precipitation is for 24-hour period, 9:30 p.m. to 9:30 p.m. Precipitation is measured in the morning; amount then recorded is for the preceding 24 hours.
⁶Precipitation is measured at 1:30 a.m.; amount then recorded is entered on preceding day.

T. Trace, or precipitation is less than .01 inch.

Two miles northwest of Frostburg. Municipal Building. Porter Reservoir. Water Pumping Station. University Farm.

Daily Temperatures for April 1941

Daily Temperatures for April 1941

Stations (Delaware)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean	
Bridgeville	Maximum	60	57	55	59	58	58	62	64	67	67	70	66	71	87	87	84	85	79	89	91	82	69	66	60	59	63	67	77	80	84	70.9	
	Minimum	39	39	31	33	42	43	31	31	28	38	38	35	49	50	51	53	52	48	62	60	44	39	48	37	40	38	45	40	40	42.1		
Delaware Breakwater	Maximum	54	49	48	47	49	47	53	48	55	52	56	47	58	79	80	73	73	66	65	85	73	57	54	53	62	48	65	66	63	74	69.6	
Delaware City	Maximum	40	40	38	40	43	40	39	40	40	44	44	42	43	52	57	53	50	51	47	58	54	46	47	47	43	44	43	51	51	52	46.0	
	Minimum	61	56	56	59	58	57	61	62	66	66	68	67	69	88	84	85	84	83	77	90	85	71	63	60	65	63	67	75	84	70.3		
Dover	Maximum	41	41	34	39	44	43	37	36	38	39	42	44	42	50	55	57	53	56	59	45	46	46	48	36	40	42	49	48	48	45.4		
	Minimum	61	57	55	58	52	51	60	61	66	60	66	63	72	89	87	84	85	81	75	90	89	70	60	58	60	61	67	75	75	69.1		
Milford	Maximum	42	40	34	37	44	44	36	36	35	40	40	42	40	54	54	60	58	57	51	57	62	45	45	48	38	44	39	48	50	47	45.4	
	Minimum	61	59	57	58	55	55	62	63	67	65	68	67	82	87	87	82	86	80	82	91	89	65	66	61	58	61	69	73	77	85	70.4	
Millsboro	Maximum	41	40	31	35	43	45	34	32	31	40	34	30	35	51	51	54	54	57	51	62	58	45	42	49	40	44	38	44	44	44	43.8	
	Minimum	63	56	57	57	55	54	62	63	65	65	67	62	70	88	88	79	85	80	82	91	81	64	63	55	56	65	68	76	74	85	69.2	
Newark	Maximum	36	40	32	33	40	43	36	28	29	38	40	38	35	50	51	52	53	57	52	62	58	46	40	47	41	45	37	42	44	42	42.9	
(University Farm)	Minimum	59	57	58	61	51	50	62	62	66	65	70	68	70	89	86	82	84	80	84	89	82	68	62	61	68	75	78	84	85	70.6		
Odessa	Maximum	39	41	31	36	42	43	36	33	33	35	35	45	40	51	50	55	56	51	54	50	53	59	43	42	47	35	40	38	42	44	45	43.0
	Minimum	60	56	55	58	52	50	62	61	66	60	66	62	70	86	85	82	83	78	79	90	86	72	61	58	62	67	73	76	84	68.7		
Wilmington	Maximum	40	40	30	33	43	43	35	34	36	39	39	43	40	49	45	55	58	51	51	55	58	42	44	42	38	43	42	44	48	48	44.1	
(Porter Reservoir)	Minimum	57	56	59	60	53	50	61	63	66	64	67	65	68	87	85	82	81	79	88	84	69	61	60	61	62	67	74	74	82	69.8		
	38	38	29	38	41	41	34	30	35	37	38	40	40	49	39	30	60	51	55	50	56	58	41	42	45	34	41	40	51	49	50	43.7

Daily Temperatures for April 1941—Continued

Stations (Maryland)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean	
Aberdeen.....	Maximum.....	54	56	58	62	52	48	63	61	64	65	72	67	69	89	87	82	84	82	86	91	74	61	66	61	63	62	69	76	79	83	69.5	
	Minimum.....	41	41	35	39	45	41	41	38	32	41	41	45	42	50	50	55	55	56	55	56	54	43	47	49	39	44	43	47	48	50	45.7	
Annapolis.....	Maximum.....	55	58	54	56	49	60	57	62	66	72	64	66	90	90	77	78	75	80	86	78	65	62	59	66	71	75	76	80	84	68.5		
Baltimore (U.S.W.B.)	Maximum.....	44	41	39	42	46	44	42	43	42	48	46	49	48	53	53	60	62	57	62	58	63	62	48	53	51	44	46	49	58	56	52	50.1
	Minimum.....	45	42	39	44	45	46	44	42	44	48	47	48	45	55	55	65	66	60	64	60	66	57	47	49	49	40	46	50	55	56	57	50.1
Bell.....	Maximum.....	62	60	52	56	59	58	63	68	68	70	69	77	89	86	87	81	87	89	89	74	67	60	65	61	65	71	78	81	87	72.7		
Cambridge (near)	Maximum.....	59	55	55	58	52	59	60	63	65	71	66	85	85	83	85	80	85	88	80	70	64	60	61	61	67	73	78	82	69.4			
Cheltenham ^{W.S.}	Maximum.....	57	59	61	58	50	65	62	65	66	70	66	70	91	84	84	82	77	82	94	75	63	57	63	61	61	65	71	78	87	70.2		
	Minimum.....	38	42	33	34	45	44	35	34	32	48	45	43	42	50	50	56	59	50	57	54	62	49	46	44	49	36	45	43	41	43	44	45.2
Chestertown.....	Maximum.....	53	57	61	58	48	63	61	64	67	69	69	89	87	82	84	83	85	90	77	63	65	68	65	64	63	69	75	79	84	69.9		
Chewsville.....	Maximum.....	56	62	61	55	51	64	63	68	69	71	70	76	85	85	81	85	89	82	64	61	59	61	64	69	76	80	84	70.1				
Clear Spring.....	Maximum.....	55	58	61	59	50	49	65	68	69	70	72	81	85	84	80	85	91	85	86	66	61	59	61	65	69	77	80	85	70.7			
	Minimum.....	36	34	28	33	34	36	27	31	30	34	37	38	52	52	57	56	50	50	55	48	39	42	36	45	39	42	36	45	40	50.5		
Coleman.....	Maximum.....	56	56	58	62	58	63	62	66	66	71	76	86	87	83	84	82	85	92	78	70	68	58	61	63	69	76	78	85	70.3			
	Minimum.....	41	39	33	38	43	42	39	37	36	39	41	42	37	49	49	60	64	58	53	60	58	44	47	48	38	43	49	50	50	50	45.4	
College Park.....	Maximum.....	60	58	61	60	57	52	64	65	69	67	70	70	79	88	88	87	85	88	82	85	75	68	61	60	65	71	77	81	85	72.4		
Conowingo Dam.....	Maximum.....	59	54	60	59	50	52	61	61	64	66	72	66	70	89	88	81	85	80	84	90	88	65	63	62	62	69	74	76	85	69.1		
	Minimum.....	39	41	35	35	44	41	37	35	31	36	39	42	40	48	50	53	52	54	57	51	45	48	45	48	35	42	37	43	41	44	43.8	
Crisfield.....	Maximum.....	53	57	55	58	68	62	61	59	64	61	69	64	83	80	85	83	88	80	76	64	62	61	57	67	74	79	73	68.9				
	Minimum.....	46	44	38	39	48	45	42	37	41	46	45	47	54	55	58	57	60	58	64	51	48	51	45	48	45	43	45	44	49	49.4		
Cumberland ^{W.S.}	Maximum.....	59	60	68	60	53	57	69	70	74	70	77	81	90	88	90	82	83	86	91	97	72	64	69	61	61	67	70	71	81	85	74.4	
	Minimum.....	30	49	29	37	41	42	33	32	34	39	40	41	47	49	58	56	51	54	55	50	41	42	47	33	40	43	37	41	44	42.2		
Darlington.....	Maximum.....	56	54	62	62	52	53	60	63	67	68	72	65	70	89	88	82	84	80	84	90	88	65	65	66	62	69	74	78	85	70.5		
	Minimum.....	38	36	35	34	42	40	38	34	31	35	37	42	40	45	50	55	53	50	51	53	50	42	40	47	37	43	41	44	42	43	42.8	
Easton.....	Maximum.....	60	56	55	60	62	66	61	65	66	68	72	70	71	86	85	85	78	86	90	82	84	69	60	64	74	75	79	85	69.8			
	Minimum.....	41	39	34	37	45	45	39	37	33	45	41	44	51	53	56	52	58	53	54	53	50	42	46	49	38	41	41	44	45	44	45.4	
Elkton.....	Maximum.....	59	58	62	62	53	65	65	67	66	73	64	71	90	88	85	82	81	84	72	65	62	64	60	64	70	78	80	86	71.4			
	Minimum.....	37	42	32	35	44	44	36	31	33	38	42	41	50	54	52	57	56	58	53	59	44	44	40	42	45	40	42	45	40	42	43.4	
Emmitsburg (near)	Maximum.....	57	56	58	54	48	61	60	65	65	69	73	78	73	85	82	80	85	87	84	84	65	66	63	67	70	75	80	83	69.2			
Fallston.....	Maximum.....	51	54	59	60	53	61	61	64	63	70	66	67	87	85	81	80	83	80	87	68	64	60	62	67	74	78	83	69.2				
Ferry Landing.....	Maximum.....	57	61	59	58	60	55	66	61	66	69	70	76	86	85	87	83	87	84	86	66	66	69	63	71	78	80	87	71.8				
	Minimum.....	41	41	33	34	45	45	38	37	34	45	45	41	44	55	55	59	55	56	59	45	46	50	41	44	48	46.8	48.3	45.1	45.1			
Frederick.....	Maximum.....	61	61	64	62	59	52	66	71	71	74	73	77	88	86	84	85	91	85	75	68	61	65	67	73	78	84	83	73.7				
	Minimum.....	38	31	35	41	49	42	31	31	39	40	43	39	55	54	61	55	51	54	59	56	39	43	46	32	41	39	45	42	50	43.4		
Friendsville.....	Maximum.....	55	61	60	54	50	55	62	67	67	72	75	81	80	79	79	75	81	86	88	67	58	62	64	66	70	78	81	85	68.5			
Frostburg.....	Maximum.....	53	53	57	57	44	55	62	66	65	62	68	81	80	80	85	85	75	62	60	55	59	62	67	73	78	82	84	73.7				
	Minimum.....	36	39	27	33	38	33	38	34	36	40	41	42	41	42	43	53	52	53	51	53	44	45	46	35	41	42	48	47	42	47.7		
Georgetown.....	Maximum.....	58	58	60	62	52	50	64	68	73	77	81	87	87	89	87	87	89	87	82	82	88	80	84	82	82	88	84	87	80.5			
	Minimum.....	44	42	39	46	45	34	37	34	34	40	43	42	40	50	50	51	53	55	55	57	51	45	45	45	40	45	42	45	44	49	44.9	
Germantown.....	Maximum.....	60	58	62	60	60	54	65	68	68	71	77	87	85	82	82	80	85	91	86	76	61	61	68	70	77	79	85	71.9				
Great Falls.....	Maximum.....	58	59	63	57	60	57	65	65	70	73	72	69	82	88	84	86	88	80	86	93	87	76	65	66	70	75	77	80	85	73.7		
Huntingtown.....	Maximum.....	57	58	55	56	55	56	62	67	67	73	78	88	88	83	86	79	85	92	86	82	86	82	87	80	84	88	84	87	81.9			
	Minimum.....	40	40	32	34	43	43	36	30	33	36	34	42	43	50	50	54	54	55	54	57	55	44	48	45	40	44	42	44	46	40	46.0	
Keedysville.....	Maximum.....	57	62	65	56	51	68	65	67	70	71	72	76	89	89	83	84	84	87	93	84	88	68	63	68	75	78	81	88	71.2			
	Minimum.....	40	38	29	35	42	42	29	30	34	37	43	40	45	45	54	54	55	57	58	57	38	42	44	31	39	41	47	40	42	41.2		
Laurel.....	Maximum.....	57	56	59	55	56	52	63	64	68	69	73	78	70	84	83	79	80	78	75	78	70	65	65	67	73	75	81	85	70.1			
	Minimum.....	40	40	36	37	43	41	34	37	34	40	39	43	42	49	51	55	53	55	51	60	54	45	48	36	44	43	45	45	43	45.3		
Leonardtown.....	Maximum.....	57	60	58	58	64	62	61	66	67	76	89	89	82	87	82	86	81	83	86	85	75	68	65	67	70	77	77	84	70.8			
Lutherville.....	Maximum.....	57	58	61	60	55	56	62	65	66	65	66	78	88	88	83	85	87	85	83	84	82	84	80	75	77	80	85	74.9				
	Minimum.....	36	39	26	33	33	35	29	32	37	38	42	43	50	57	56	51	49	49	53	47	33	30	37	28	37	31	35	49	51	42.7		
Maryland Line.....	Maximum.....	56	54	58	60	51	61	61	67	65	71	74	85	83	80	82	81	86	91	86	73	62	62	69	70	77	79	85	69.7				
	Minimum.....	37	35	31	36	40	40																										

See page 14 for explanation of reference marks.