

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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VOL. XLVI BALTIMORE, MD., YEAR 1942 No. 13

GENERAL SUMMARY

This year was warm with abundant precipitation. Property damage and crop loss were caused mostly by water.

January and February were moderately cold; March, September, October, and November were mild; April and May were warm; June and July were moderately warm; August was cool; December was cold.

Annual precipitation averaged nearly 1.2 times the normal. Precipitation was below normal in January, February, September, and November; normal in June; and above normal in May, July, and December. April was the driest such month of record. March, August, and October were very wet.

Annual snowfall was above normal, except below normal in the extreme southern portion of Maryland and in Delaware. Snowfall was light in January, April, October, and November; very light in February; heavy in December; and very heavy in March.

Annual sunshine was slightly above normal. Sunshine was above normal in January, February, May, and July; normal in September and November; deficient in March, June, and August; very deficient in October and December. April was unusually sunny.

Grain, crop, tree fruit, and berry yields were mostly fair to good, except hay yields were good to heavy, fall spinach yields were heavy, and soy bean yields were record high.

Some property and some crops were damaged locally by thundergusts on May 31, June 7 and 12, and July 5 and 10. Some property was damaged locally by gale force gusts on December 2. Lightning caused some property damage locally on May 31, June 12, and July 20 and 31; five persons were killed.

There were two parallel mild tornadoes in Garrett County on August 11. One caused property damage of \$500 at McHenry; the other caused property damage of \$7,500 from Deer Park to Swanton.

Hail ruined crops valued at \$5,000 at Trappe Station on May 24 and at \$10,000 in northeastern Washington County on July 18.

A record snowfall for so late in the season occurred on Palm Sunday, March 29, over Washington County, north-central and southern Maryland, and the western half of the Eastern Shore; the falls ranged from 5 to 10 inches along the outer boundary of this area to between 30 and 36 inches in northern Carroll, northern Frederick, and northeastern Washington Counties.

Heavy thundershowers on May 21 over east-central Frederick County, on June 12 over Frederick, Carroll, Howard, Montgomery, and northern Prince Georges Counties, on July 5 over Marriottsville, and on July 31 over extreme northeastern New Castle County caused streams to flood, gullied fields and roads, washed crops out of the fields, flattened grains and crops, and flooded cellars and buildings.

Flood waters due to heavy rains of August 8-9 damaged homes and high-

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CONDENSED SUMMARY OF CLIMATOLOGICAL DATA 1942

Months	Temperature				Precipitation				Number of days				Prevailing direction of wind
	Mean	Departure from the normal	Highest	Lowest	Average	Departure from the normal	Greatest in 24 hours	Snowfall	With 0.01 inch or more of precipitation			Clear	
									Partly cloudy	Cloudy	Prevailing direction of wind		
January	32.4	-0.8	66	-19	2.53	-0.83	1.17	4.3	8	13	8	10	nw.
February	31.9	-1.3	66	-9	2.12	-1.89	1.85	2.1	6	13	7	8	nw.
March	44.7	-2.1	79	5	6.01	+2.38	4.60	13.7	12	11	8	12	nw.
April	55.7	+3.4	96	18	1.10	-2.41	1.80	0.1	4	15	10	5	nw.
May	66.3	+3.5	98	33	3.88	+0.39	4.80	0.0	8	12	12	7	s.
June	72.2	+1.4	99	39	4.01	+0.01	4.10	0.0	12	11	10	9	nw.
July	76.0	+0.7	102	44	4.89	+0.55	3.22	0.0	11	14	11	9	sw.
August	72.7	-0.8	97	35	7.34	+2.74	4.94	0.0	13	10	12	9	sw.
September	68.2	+0.5	95	19	2.99	-0.33	3.50	0.0	8	18	11	6	nw.
October	57.7	+1.5	87	14	6.53	+3.49	5.10	0.0	11	14	6	11	ne.
November	46.3	+1.6	81	11	2.41	-0.13	1.30	0.1	10	12	9	19	nw.
December	32.3	-3.1	67	-25	3.85	+0.67	1.63	6.9	13	6	8	17	nw.

KILLING FROSTS 1942

Stations	Last in Spring	First in Autumn	Stations	Last in Spring	First in Autumn
<i>Maryland</i>			<i>Maryland (con't.)</i>		
Aberdeen	Apr. 14	Oct. 27	Mt. Savage Summit	Apr. 21	Sept. 28
Annapolis	Mar. 30	Oct. 27	Oakland	Apr. 25	Sept. 25
Baltimore	Apr. 14	Oct. 27	Ocean City	Mar. 30	Nov. 12
Bell	Apr. 22	Sept. 29	Oxford	Mar. 25	Oct. 27
Beltville	Apr. 22	Sept. 30	Perry Point	Apr. 14	Oct. 27
Blackwater	Apr. 14	Oct. 28	Picardy	Apr. 14	Sept. 29
Cambridge	Apr. 14	Oct. 28	Pleasant Hill	Apr. 14	Oct. 27
Charlotte Hall	Apr. 14	Oct. 27	Pocomoke City	Apr. 14	Oct. 28
Cheltenham	Apr. 14	Oct. 27	Prettyboy Dam	Apr. 14	Oct. 27
Chestertown	Apr. 14	Oct. 27	Princess Anne	Apr. 14	Oct. 28
Chewsville	Apr. 22	Sept. 25	Ridgely	Apr. 14	Oct. 28
Clear Spring	Apr. 22	Sept. 29	Rock Hall	Apr. 14	Oct. 28
Coleman	Apr. 14	Oct. 27	Salisbury	Apr. 14	Oct. 28
College Park	Apr. 22	Oct. 27	Silver Spring	Apr. 14	Oct. 27
Conowingo Dam	Apr. 14	Oct. 27	Sines	Apr. 25	Sept. 25
Crisfield	Mar. 30	Nov. 12	Snow Hill	Apr. 14	Oct. 28
Cumberland	Apr. 14	Sept. 29	Solomons	Mar. 30	Nov. 14
Dundalk	Apr. 14	Oct. 27	State Sanatorium	Apr. 14	Oct. 27
Easton	Apr. 14	Oct. 28	Stevensville	Apr. 14	Oct. 28
Elkton	Apr. 13	Oct. 27	Takoma	Apr. 14	Oct. 27
Emmitsburg	Apr. 13	Oct. 27	Tonoloway	Apr. 22	Sept. 25
Farmington	Apr. 14	Oct. 27	Towson	Apr. 14	Oct. 27
Ferry Landing	Apr. 14	Oct. 27	Unionville	Apr. 22	Sept. 29
Fort George G. Meade	Apr. 14	Oct. 27	Western Port	Apr. 14	Sept. 29
Frederick	Apr. 22	Sept. 29	Westminster	Apr. 14	Sept. 29
Friendsville	Apr. 23	Sept. 25	Woodstock	Apr. 14	Sept. 29
Frostburg	Apr. 14	Sept. 25	Washington, D. C.	Mar. 30	Oct. 28
Georgetown	Apr. 14	Oct. 27	<i>Delaware</i>		
Germantown	Apr. 14	Oct. 27	Bridgeville	Apr. 14	Oct. 27
Great Falls	Apr. 14	Oct. 27	Delaware Breakwater	Mar. 30	Nov. 12
Huntingtown	Apr. 14	Oct. 27	Delaware City	Apr. 14	Oct. 28
Keedysville	Apr. 22	Sept. 29	Dover	Apr. 14	Oct. 28
La Plata	Apr. 14	Oct. 27	Milford	Apr. 14	Oct. 27
Laurel	Apr. 14	Oct. 27	Millsboro	Apr. 14	Oct. 27
Leonardtown	Apr. 14	Oct. 27	Newark	Apr. 14	Oct. 27
Maryland Line	Apr. 14	Oct. 27	Odessa	Apr. 14	Oct. 28
Millington	Apr. 14	Oct. 27	Wilmington	Apr. 14	Oct. 27

COMPARATIVE DATA FOR THE YEAR

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	52.6	102	-18	34.67	31.2	91	53.8	101	-4	37.13	19.9	95
1896	54.0	100	-13	36.69	25.2	103	55.0	103	0	40.99	13.1	96
1897	53.5	102	-13	44.55	19.6	108	54.6	97	3	46.81	14.5	111
1898	54.8	109	-20	41.78	24.6	100	55.7	99	0	44.11	10.7	108
1900	55.0	102	-26	40.52	40.7	98	54.4	100	-14	42.19	42.5	96
1901	55.0	106	-15	36.52	26.5	88	55.8	104	3	38.11	22.5	83
1902	52.5	106	-15	45.19	19.3	99	53.7	104	1	43.62	8.3	81
1903	53.5	104	-17	49.11	37.1	105	54.7	104	6	49.58	24.6	99
1904	53.2	100	-12	46.75	18.6	106	54.2	100	-1	48.35	11.3	97
1905	51.2	102	-20	36.36	38.8	96	51.9	99	-10	37.21	31.7	96
1906	53.3	104	-20	43.67	34.2	106	53.9	101	-6	45.80	27.7	106
1907	54.5	101	-15	47.30	21.7	123	55.8	98	5	54.15	11.1	122
1908	52.0	99	-29	48.82	36.5	121	53.4	96	-5	49.50	21.3	117
1909	54.0	102	-21	39.82	34.4	98	55.5	100	3	41.29	19.3	95
1909	53.7	99	-5	36.73	30.7	103	55.0	98	3	35.52	25.5	94
1910	53.5	98	-15	36.92	35.0	119	55.9	96	-1	39.09	17.5	101
1911	54.9	106	-5	43.43	23.8	119	55.9	102	6	42.76	15.3	105
1912	53.1	102	-40	44.40	33.4	110	54.7	102	-4	42.64	34.1	100
1913	55.9	102	-6	38.75	6.9	106	57.3	99	12	39.11	0.9	99
1914	53.3	102	-30	35.97	4.4	98	54.9	101	0	37.29	29.9	90
1915	53.7	103	-15	44.09	23.2	111	55.7	101	15	42.99	17.7	98
1916	53.1	101	-11	40.89	29.6	112	53.9	99	-3	38.26	24.7	103
1917	51.2	102	-32	40.15	38.2	111	52.1	100	-7	44.25	14.0	107
1918	53.7	109	-30	38.70	32.6	101	54.2	107	-10	38.30	23.4	85
1919	54.7	105	-19	46.19	12.7	116	55.0	105	0	55.46	7.5	108
1920	53.1	98	-10	44.12	21.3	115	54.1	97	1	50.41	11.3	112
1921	56.5	102	-15	38.06	20.5	114	57.4	100	4	35.02	17.2	110
1922	54.9	100	-15	39.97	35.9	112	55.6	96	1	41.52	28.2	108
1923	54.3	102	-9	39.91	24.5	116	55.0	100	6	49.03	17.3	104
1924	52.4	103	-13	48.16	33.0	111	53.5	100	1	48.53	12.5	108
1925	54.4	104	-8	34.86	24.7	114	56.0	102	-1	35.38	9.8	105
1926	52.7	107	-16	43.61	25.8	128	53.8	102	5	46.04	15.3	120
1927	54.3	100	-5	40.10	15.6	125	55.1	96	2	42.12	11.7	120
1928	53.8	99	-11	44.55	25.8	118	54.9	100	-11	49.38	17.5	114
1929	54.2	101	-13	42.68	20.9	117	55.7	102	6	40.59	11.8	117
1930	54.8	108	-20	23.29	23.2	94	56.2	110	-3	28.05	14.5	96
1931	55.9	103	-8	38.44	12.9	111	57.2	101	12	40.95	8.0	110
1932	55.0	106	-6	46.98	19.6	111	56.6	100	4	49.03	16.0	110
1933	54.8	102	-10	48.93	20.4	123	56.3	100	-1	52.32	14.5	116
1934	53.8	107	-25	45.05	32.3	113	54.7	101	-15	54.47	33.6	114
1935	53.5	101	-23	46.79	46.3	127	54.5	99	-7	54.44	40.7	124
1936	53.6	109	-20	43.81	32.2	116	55.1	105	-5	50.32	16.0	114
1937	54.0	100	-12	52.08	22.5	128	55.4	97	9	50.58	8.8	129
1938	55.3	100	-8	40.34	19.8	127	56.3	98	7	48.94	13.5	129
1939	55.3	100	-7	43.10	21.8	116	56.2	97	4	45.60	15.6	118
1940	52.2	103	-14	43.69	32.0	120	52.7	102	-7	43.50	31.2	119
1941	54.9	104	-10	32.74	24.9	91	55.7	100	7	33.94	18.2	92
1942	54.7	102	-25	48								

Climatological Data for the Year 1942

Table with columns: Stations, Counties, Elevation, Temperature (Annual mean, Highest, Date, Lowest, Date), Precipitation (Length of record, Total for the year, Greatest monthly, Month, Least monthly, Month, Total snowfall), Sky (Number of rainy days, Number of clear days, Number of partly cloudy days, Number of cloudy days, Prevailing direction of wind).

† Also on other dates. ‡ Post Office addresses of these stations are as follows: Of Bell, Glendale; of Blackwater, Cambridge; of Coleman, Worton; of Fallston, Bagley; of Ferry Landing, Owings; of Great Falls, Bethesda; of Mt. Savage Summit, Frostburg; of Odessa, Middletown; of Picardy, Paw Paw, Va.; of Pleasant Hill, Owings Mills; of Prettyboy Dam, Parkton; of Sines, Oakland; of Tonoaway, Hancock. †2 miles northwest of Frostburg. †† Municipal Bldg. ††† Porter Reservoir.

(Continued from front page) ways in north-central and southern Maryland and due to heavy rains of August 12-13 damaged homes and highways in north-central Maryland. Damage to highways in northern Baltimore County was \$25,000. Unusually heavy rains during October 13-17 between the Allegheny Mountain highlands and the Chesapeake Bay caused a flood of the Potomac River during October 16-17. Property damage in Maryland was estimated between \$150,000 and \$200,000.

Streams were in flood in north-central and southern Maryland on October 16. Repairs to highways damaged by flood waters during October in Maryland cost \$85,865. January, February, and March were windy. In January heavy snow fell during the night of the 3d-4th and the severe cold of the 5th-12th produced ice several inches thick in the upper Chesapeake Bay. There was no severe cold and no heavy snow in February. In March the cold periods were 1st-4th in western Maryland and 28th-31st over (Continued on page 52)

Monthly and Annual Precipitation for the Year 1942 with Departures from the Normal

Main data table with columns for Stations, months (Jan-Dec), and Annual. Rows list various locations in Maryland and Delaware, such as Aberdeen, Annapolis, Baltimore, etc.

Supplemental Table of Monthly and Annual Precipitation for the Year 1942

Supplemental table with columns for Stations, months (Jan-Dec), and Year. Rows list specific stations like Aberdeen (Army), Barstow SCS, Beltsville, etc.

From recording gages.

* Determined from surrounding stations.

Monthly and Annual Mean Temperatures for the Year 1942 with Departures from the Normal

Table with columns for Stations, months (January-December), and Annual. Rows list various locations in Maryland, District of Columbia, and Delaware, with temperature and departure values for each month and year.

*Determined from surrounding stations.

(WBO, Richmond, Va., 5-18-43-1,500)

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the section; heavy rain fell during the 2-3d, except heavy snow fell in Garrett, Allegany, and western Washington Counties; a phenomenal heavy snowfall occurred on Palm Sunday, the 29th. There were no damaging frosts in April; there was a record length dry spell from the 12th to May 3d; there were many forest fires. Thunderstorms were unusually frequent in May; the 1st, 30th, and 31st were very warm. In June local heavy thundershowers were frequent; a heavy easterly rain occurred during the 26-27th. There were several hot days and local heavy showers occurred on many days in July; the second half of the month was wet. In August the 8-17th was a wet period; the 24-

28th was a very cold period. The first and second decades in September were warm and humid with much cloudiness; the third decade was sunny, dry, and cool, except the 28-30th was a cold period. October 27-29th was a cold period with freezing temperatures and killing frosts; rains during the 13-17th yielded most of the monthly rainfall; the Potomac River was in flood during the 15-17th. November 14 and 15 were cold; the 17th-21st was an outstanding warm period. In December the 2d-5th, 13-14th, 16-17th, and 19th-22d were cold periods; the 19th-22d was a cold wave and produced below zero temperatures on the 21st; the 23d-31st was a mild period. -J. B. Jr.