

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CHARLES F. MARVIN, Chief

In Cooperation with Maryland State Weather Service

# CLIMATOLOGICAL DATA

## 15 MARYLAND AND DELAWARE SECTION

JOHN R. WEEKS, Meteorologist and Section Director

PRICE: 5 CENTS A COPY; 50 CENTS A YEAR

VOL. XXXVII BALTIMORE, MD., YEAR 1932 No. 13

### GENERAL SUMMARY

This was a warm year, the fourth warmest of record. The mean temperature was 1.4° less than in 1921, the warmest year of record, and but 0.8° less than in 1931. Highest temperatures occurred at the close of summer, on August 31 or September 1. Lowest temperatures occurred during the cold period of December 15-21; secondary lowest temperatures occurred during the cold period of March 7-16. January was the warmest such month of record; February and August were warm; December was mild; September and October were slightly mild; June was normal; May and July were slightly cool; April and November were cool; and March was cold. The winter of 1931-32 was the warmest of record, the mean temperature, 42.7°, being 8.6° above normal.

Annual precipitation averaged one and one-seventh times the normal, and was the greatest since 1919. Precipitation was plentiful during the colder seasons, but light during the warm, agricultural season. Rainfall from June to September averaged 11.54 inches, or 73 per cent of normal, and was but 25 per cent of the annual average. October produced the greatest rainfall of record for that month. November's rainfall was nearly twice the normal. Precipitation was abundant in January, March, and May; slightly above normal in December; very light in August and September; deficient in February, April, and July; and slightly below normal in June. Annual amounts ranged from below 40 inches between the Allegheny and Blue Ridge Mountain regions to above 50 inches over several areas in the central and eastern divisions.

Snowfall was very light, except heavy in December and slightly above normal in March. The annual average was 74 per cent of normal. An exceptionally heavy snowfall occurred on December 17. On March 6 snowfall was moderate to heavy over the western portion of the section.

Sunshine was abundant from March to May, from July to September, and in November; slightly above normal in June; normal in December; and deficient in January, February, and October. Annual amount was about 5 per cent above normal.

Crops and fruits yielded fair to good, except wheat, rye, oats, and late potatoes poor to fair, and barley and hay good. — J. B., jr.

### CONDENSED SUMMARY OF CLIMATOLOGICAL DATA, 1932.

Months	Temperature			Precipitation			Number of days				Prevailing direction of wind
	Mean	Highest	Lowest	Average	Greatest in 24 hours	Snowfall	With 0.01 inch or more of precipitation	Clear	Partly cloudy	Cloudy	
January	44.7	80	13	5.04	2.50	1.1	12	8	7	16	n.w.
February	40.5	88	8	2.35	2.00	0.2	8	11	8	10	n.w.
March	38.5	75	-4	5.78	3.05	5.3	10	13	9	9	n.w.
April	50.5	84	16	2.21	2.19	0.3	8	16	7	7	n.w.
May	62.0	94	25	5.29	2.58	0.0	10	15	10	6	s.w.
June	70.8	95	30	3.81	3.53	0.0	10	13	10	7	s.w.
July	74.8	99	41	3.03	2.00	0.0	9	17	9	5	n.w.
August	74.7	104	38	2.50	2.01	0.0	6	18	10	3	s.w.
September	68.0	106	25	2.20	2.86	0.0	7	14	11	5	se.
October	56.7	88	22	6.39	4.00	0.1	9	10	9	12	n.w.
November	43.5	72	2	5.25	2.65	1.	9	13	9	8	n.w.
December	37.7	73	-6	3.30	1.66	12.2	13	9	9	13	s.w.

### KILLING FROSTS, 1932.

Stations	Last in Spring	First in Autumn	Stations	Last in Spring	First in Autumn
<i>Maryland.</i>			<i>Maryland (cont.)</i>		
Aberdeen	Apr. 17	Oct. 31	Oakland	June 9	Sept. 25
Annapolis	Apr. 15	Oct. 31	Parkton	Apr. 18	Oct. 14
Baltimore	Apr. 15	Oct. 31	Picardy	May 23	Oct. 15
Bell	Apr. 20	Oct. 15	Pleasant Hill	Apr. 18	Oct. 14
Boys	Apr. 19	Oct. 15	Pocomoke City	Apr. 20	Oct. 31
Cambridge	Apr. 17	Oct. 31	Princess Anne	Apr. 20	Oct. 31
Cecilton	Apr. 18	Oct. 31	Ridgely	Apr. 17	Oct. 31
Cheltenham	Apr. 17	Oct. 15	Rock Hall	Apr. 17	Oct. 29
Chewsville	Apr. 27	Oct. 14	Salisbury	Apr. 17	Oct. 31
Coleman	Apr. 17	Oct. 31	Sines	June 9	Sept. 25
College Park	Apr. 20	Oct. 15	Snow Hill	Apr. 19	Oct. 31
Crisfield	Apr. 17	Nov. 4	Stomons	Apr. 17	Nov. 4
Cumberland	May 3	Oct. 14	State Sanatorium	Apr. 27	Oct. 14
Darlington	Apr. 17	Oct. 29	Stevensville	Apr. 15	Nov. 3
Easton	Apr. 17	Oct. 31	Takoma	Apr. 20	Oct. 31
Elkton	Apr. 20	Oct. 14	Towson	Apr. 17	Oct. 14
Emmitsburg	Apr. 17	Oct. 14	Western Port	May 3	Oct. 15
Fallston	Apr. 18	Oct. 31	Westminster	Apr. 18	Oct. 14
Ferry Landing	Apr. 17	Oct. 31	Woodstock	Apr. 20	Oct. 14
Frederick	Apr. 17	Oct. 14	<i>District of Columbia.</i>		
Friensburg	May 30	Sept. 25	Washington	Mar. 23	Nov. 14
Frostburg	May 3	Oct. 14	<i>Delaware.</i>		
Grantsville	June 9	Sept. 25	Bridgeville	Apr. 17	Oct. 31
Great Falls	Apr. 20	Oct. 15	Delaware City	Apr. 17	Oct. 31
Hancock	May 30	Sept. 25	Dover	Apr. 17	Oct. 31
Keedysville	Apr. 19	Oct. 14	Millford	Apr. 17	Oct. 31
La Plata	Apr. 17	Oct. 15	Millsboro	Apr. 17	Oct. 31
Laurel	Apr. 17	Oct. 14	Wilmington	Apr. 17	Oct. 31
Lutherville	Apr. 20	Oct. 14			
Maryland Line	Apr. 18	Oct. 14			
Mechanicsville	Apr. 17	Oct. 29			
Millington	Apr. 17	Oct. 31			

### COMPARATIVE DATA FOR MARYLAND AND DELAWARE

Years	Temperature					Precipitation					
	Mean	Departure from the normal	Highest	Lowest	Average	Departure from the normal	Greatest local	Least local	Greatest in 24 hours	Snowfall	Number of days with 0.01 in. or more
1895	52.6	-1.4	102	-18	34.47	-6.58	42.07	14.42	4.80	29.9	94
1896	54.0	0.0	103	-13	37.11	-3.94	64.94	30.18	4.50	23.0	92
1897	53.6	-0.4	102	-12	44.97	+3.32	63.85	32.56	14.75	13.4	109
1898	54.9	+0.9	109	-20	42.11	+1.06	65.77	32.59	5.93	21.6	109
1899	53.5	-0.5	102	-26	40.84	-0.21	51.38	28.69	5.35	40.3	98
1900	55.0	+1.0	106	-15	36.66	-1.39	52.19	34.63	5.53	26.8	98
1901	52.6	-1.4	106	-15	45.06	+4.63	61.38	33.75	5.45	18.7	105
1902	53.6	-0.4	104	-17	49.20	+8.15	70.87	34.63	6.60	33.3	96
1903	53.3	-0.7	100	-12	48.94	+5.89	78.72	36.58	6.00	17.9	106
1904	51.2	-2.8	102	-20	36.49	-4.56	50.26	25.72	5.90	41.8	96
1905	53.3	-0.7	104	-20	43.84	+2.79	64.64	31.88	4.65	36.1	106
1906	54.6	+0.6	101	-15	48.01	+6.96	62.92	36.10	8.66	20.7	123
1907	52.2	-1.8	99	-29	48.86	+7.81	66.59	37.55	5.00	34.6	121
1908	54.1	+0.1	102	-21	40.01	-1.04	52.50	31.63	7.93	32.5	101
1909	54.0	0.0	99	-5	37.47	-3.58	50.45	28.30	3.80	30.0	105
1910	53.8	-0.2	99	-15	37.42	-3.63	52.45	26.74	7.19	34.8	109
1911	54.9	+0.9	106	-5	43.61	+2.56	55.58	33.62	7.35	23.2	119
1912	53.3	-0.7	102	-40	43.42	-2.37	52.68	35.60	6.07	32.2	112
1913	56.1	+2.1	102	-6	38.98	-2.07	48.96	25.41	4.06	6.1	108
1914	53.4	-0.6	102	-21	35.97	-5.08	43.32	29.35	3.81	37.2	98
1915	54.1	+0.1	103	-6	43.58	+2.53	59.39	26.82	5.11	23.1	107
1916	53.2	-0.8	101	-11	40.47	-0.58	49.72	26.14	6.00	28.5	112
1917	51.3	-2.7	102	-32	40.65	-0.40	54.22	27.17	4.52	35.7	110
1918	53.8	-0.2	103	-30	37.39	-3.09	46.95	28.88	4.50	31.4	98
1919	54.9	+0.9	105	-19	47.63	+6.57	60.84	30.69	9.02	11.9	114
1920	53.3	-0.7	98	-10	44.95	+3.90	56.29	32.49	4.30	20.0	113
1921	56.6	+2.6	102	-15	37.72	-3.33	54.12	28.89	5.60	20.5	114
1922	55.0	+1.0	100	-15	40.15	-0.90	55.65	24.39	6.75	34.8	111
1923	54.4	+0.4	102	-9	40.27	-0.78	50.38	31.47	5.17	22.0	115
1924	52.6	-1.4	103	-13	46.26	+5.21	52.70	37.41	4.53	30.5	111
1925	54.6	+0.6	104	-31	34.91	-6.14	43.37	27.87	5.25	23.0	112
1926	52.8	-1.2	107	-16	43.90	+2.85	54.02	32.08	6.54	24.6	128
1927	54.4	+0.4	100	-5	40.37	-0.68	53.56	27.89	3.92	15.3	125
1928	54.0	0.0	100	-11	45.09	+4.04	55.38	34.92	11.66	25.4	118
1929	54.4	+0.4	102	-13	42.46	+1.41	55.60	33.09	4.58	20.0	117
1930	55.0	+1.0	110	-20	33.78	-17.27	33.52	17.76	3.25	22.4	94
1931	56.0	+2.0	103	-8	33.68	-2.37	47.90	29.91	5.50	12.3	111
1932	55.2	+1.2	106	-6	48.15	+6.10	54.35	34.33	4.00	19.3	111

Climatological Date for the Year 1932

Stations	Counties	Elevation, feet	Temperature, degrees Fahrenheit						Precipitation						Sky				Prevailing direction of wind	
			Length of record, years	Annual mean	Highest	Date	Lowest	Date	Length of record, years	Total for the year	Greatest monthly	Month	Least monthly	Month	Total snowfall	Number of rainy days	Number of clear days	Number of partly cloudy days		Number of cloudy days
<i>Maryland</i>																				
Aberdeen	Harford	80	14	54.8	97	Aug. 31	5	Dec. 19	14	46.35	6.41	Nov.	1.15	Apr.	17.5	113	114	125	127	s.
Annapolis	Anne Arundel	45	67	57.1	95	Aug. 31	13	Dec. 18	59	50.95	7.52	Mar.	1.94	Aug.	22.5	112	160	104	102	nw.
Baltimore (U.S.W. B.)	Baltimore	116	62	57.9	99	Aug. 31	15	Dec. 16	62	49.58	7.17	Oct.	1.47	Sept.	18.2	115	189	113	114	sw.
Bell	Prince Georges	151	12	54.9	99	Aug. 31*	2	Dec. 19	12	52.62	7.20	Oct.	1.92	Aug.	17.4	108	163	105	98	nw.
Boys	Montgomery	375	13	54.0	102	Aug. 31*	1	Dec. 19	13	44.38	8.55	Oct.	1.92	Sept.	19.0	115	182	91	98	s.
Cambridge (near)	Dorchester	25	39	57.2	102	Aug. 31	2	Dec. 19	39	46.55	5.80	Mar.	2.02	Sept.	12.0	91	182	91	93	nw.
Cecilton	Cecil	85	14	55.5	98	Aug. 31	1	Dec. 21	14	50.29	6.58	May	2.04	Sept.	20.0	105	158	111	97	sw.
Cheltenham	Prince Georges	230	32	56.6	103	Aug. 31	8	Dec. 19	32	53.72	7.22	Mar.	1.76	Aug.	15.0	115	167	97	102	nw.
Chewsville	Washington	690	35	53.0	99	Sept. 1	4	Dec. 18	35	40.13	7.46	Oct.	1.50	Apr.	15.0	113	151	121	94	nw.
Coleman Park	Kent	80	33	56.1	98	Aug. 31	11	Dec. 19*	35	46.58	6.03	May	1.37	Apr.	18.0	102	173	93	100	nw.
Crisfield	Prince Georges	87	46	56.2	106	Sept. 1	0	Dec. 19	45	50.90	6.18	Mar.	1.89	Aug.	16.8	110	169	101	96	nw.
Cumberland	Somerset	6	13	58.6	97	Aug. 31	14	Dec. 19	13	43.77	5.87	Oct.	1.06	Aug.	5.5	96	148	125	93	sw.
Darlington	Allegany	623	49	55.4	104	Sept. 1	10	Dec. 19	60	34.33	5.87	May	0.52	Sept.	13.1	122	183	90	93	nw.
Easton	Harford	300	42	53.9	97	July 13*	1	Dec. 19*	41	46.78	6.33	Oct.	1.08	Apr.	16.7	97	131	130	105	nw.
Elkton	Talbot	35	42	56.4	100	Aug. 31*	11	Mar. 10*	42	48.18	6.81	Mar.	1.85	Apr.	13.0	103	176	97	93	s.
Emmitsburg	Cecil	28	6	54.9	101	Sept. 1	1	Dec. 19	6	48.98	6.62	May	0.96	Sept.	19.5	103	160	109	97	sw.
Fallston	Frederick	720	64	55.0	98	Aug. 31*	9	Dec. 16	63	51.13	9.35	Oct.	1.67	Feb.	21.6	109	172	104	100	w.
Ferry Landings	Harford	450	63	54.4	96	Aug. 31	10	Dec. 16	63	45.55	7.51	Oct.	1.25	Apr.	16.4	121	125	139	103	nw.
Frederick	Calvert	110	16	56.6	103	Aug. 31	8	Dec. 19	16	48.30	6.41	Mar.	1.47	Aug.	15.7	96	167	102	97	nw.
Friedsville	Frederick	1,325	58	56.4	103	Aug. 31	2	Dec. 16	14	45.42	7.76	Mar.	1.04	Sept.	47.2	127	136	104	126	.....
Frostburg	Garrett	1,501	14	49.9	94	Sept. 1	6	Dec. 16	31	45.26	6.78	Mar.	0.63	Sept.	40.2	123	172	94	100	w.
Great Falls	Allegany	2,351	39	47.9	92	Sept. 1	4	Dec. 16	39	43.82	5.89	Mar.	1.15	Sept.	49.5	150	129	113	124	w.
Hancock (Tonoloway)	Montgomery	200	35	55.2	100	Aug. 31	2	Dec. 19	43	43.69	6.85	Oct.	1.47	Aug.	21.5	107	156	116	94	nw.
Hancock (City)	Washington	455	21	53.6	102	Sept. 1	1	Dec. 19	22	39.49	6.45	Oct.	0.40	Sept.	16.0	98	181	94	91	.....
Keedysville	do	421	29	55.5	103	Sept. 1	3	Dec. 18	28	44.49	6.72	May	2.01	Apr.	18.0	113	170	104	92	nw.
La Plata	Charles	190	13	56.5	101	Aug. 31	10	Dec. 18	13	54.35	8.69	Oct.	2.34	June	21.0	117	174	93	99	sw.
Laurel	Prince Georges	820	88	55.5	101	Aug. 31	8	Dec. 18	38	49.00	6.60	Oct.	1.95	Feb.	17.7	114	171	99	96	.....
Lutherville	Baltimore	340	6	54.7	100	Aug. 31	1	Dec. 19	6	49.33	6.88	Oct.	1.54	Sept.	19.4	119	145	115	106	sw.
Maryland Line	Baltimore	840	8	53.9	97	Aug. 31*	7	Dec. 16	8	49.14	7.34	Oct.	1.31	Apr.	19.0	109	133	125	108	nw.
Mechanicsville	St. Marys	165	27	56.1	98	Aug. 31	1	Dec. 19*	34	46.49	6.98	May	1.42	Aug.	20.5	89	180	88	98	sw.
Millington	Kent	27	35	56.1	98	Aug. 31	1	Dec. 19*	34	46.49	6.98	May	1.86	Aug.	17.5	118	172	96	98	w.
Oakland	Garrett	2,461	33	48.9	95	Sept. 1	6	Dec. 19	33	46.96	6.69	Mar.	1.52	Apr.	46.7	146	127	112	127	w.
Parkton (Prettyboy Dam)	Baltimore	780	2	53.9	97	Sept. 1	8	Mar. 10*	2	49.80	7.36	Oct.	1.43	Apr.	21.5	125	130	127	109	nw.
Picardy	Allegany	900	6	54.3	101	Sept. 1	4	Dec. 16	6	38.25	6.38	May	0.20	Sept.	18.0	88	173	98	95	w.
Pleasant Hill	Baltimore	660	.....	.....	.....	.....	.....	.....	.....	41.93	5.92	Nov.	0.85	Sept.	20.0	105	155	104	107	nw.
Pocomoke City	Worcester	37	.....	.....	.....	.....	.....	.....	.....	41.93	5.92	Nov.	1.16	Aug.	7.7	97	146	127	93	.....
Princess Anne	Somerset	57	57	56.0	100	Aug. 31	5	Dec. 19	39	51.12	7.19	Oct.	1.62	Aug.	7.7	98	134	137	95	sw.
Ridgely	Caroline	25	15	56.2	102	Aug. 31	4	Dec. 21	17	45.92	6.07	Nov.	1.57	Sept.	18.5	101	175	97	94	nw.
Rock Hall	Kent	23	27	57.8	100	Sept. 1	10	Dec. 19	27	44.60	6.76	Oct.	1.81	Aug.	10.5	103	170	107	89	sw.
Salisbury	Wicomico	2,040	5	47.2	91	Aug. 31	2	Mar. 16	5	43.49	6.75	Mar.	1.08	Sept.	52.5	154	123	107	131	.....
Sinnet (Deep Creek)	Garrett	15	2	57.7	103	Sept. 1	2	Dec. 19	2	46.32	6.70	Oct.	1.20	Aug.	9.2	83	148	122	96	sw.
Solomons	Calvert	20	41	58.0	98	Aug. 31	14	Dec. 16	41	45.18	5.41	Jan.	2.02	Feb.	14.0	97	175	98	98	sw.
Snow Hill	Worcester	15	2	57.7	103	Sept. 1	2	Dec. 19	2	46.32	6.70	Oct.	1.20	Aug.	9.2	83	148	122	96	sw.
State Sanatorium	Frederick	1,460	24	53.8	96	Aug. 31*	5	Dec. 16	24	54.09	12.68	Oct.	1.58	Aug.	23.7	117	164	98	104	nw.
Stevensville	Queen Annes	12	6	57.4	98	Aug. 31	10	Dec. 21	6	52.45	7.40	Mar.	2.07	Aug.	15.9	96	149	118	99	nw.
Takoma	Montgomery	820	34	.....	104	Aug. 31	11	Dec. 18*	34	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Towson	Baltimore	465	.....	.....	.....	.....	.....	.....	.....	49.04	7.03	Oct.	0.61	Sept.	18.8	117	.....	.....	.....	.....
Western Port	Allegany	1,000	39	54.7	101	Sept. 1	6	Dec. 16	39	39.12	5.61	May	0.87	Apr.	18.4	124	.....	.....	.....	.....
Westminster	Carroll	770	23	54.5	100	Aug. 31	7	Dec. 19	23	48.68	7.86	Oct.	1.68	Apr.	21.2	110	166	110	90	nw.
Woodstock	Baltimore	415	62	54.8	101	Sept. 1	1	Dec. 19	62	45.56	6.53	Oct.	1.34	Sept.	16.2	112	161	101	104	nw.
<i>District of Columbia</i>																				
Washington (U.S.W. B.)	Washington (U.S.W. B.)	112	62	57.3	100	Aug. 31	14	Mar. 10*	62	49.55	7.40	Oct.	1.36	Aug.	18.5	114	144	108	114	nw.
<i>Delaware</i>																				
Bridgeville	Sussex	45	9	56.8	99	Aug. 31	5	Dec. 19	9	44.12	6.31	Oct.	0.95	Sept.	14.7	108	176	107	83	nw.
Delaware City	New Castle	12	46	56.0	99	Aug. 31	7	Dec. 21	42	47.07	6.13	Mar.	1.55	Aug.	17.0	101	149	115	102	s.
Dover	Kent	34	43	56.8	100	Aug. 31	11	Dec. 19*	43	48.96	7.15	Mar.	1.70	July	16.0	103	160	113	93	nw.
Millford	do	20	40	57.4	99	Aug. 31	5	Dec. 19	50	50.01	8.18	Oct.	1.37	Sept.	15.5	116	164	118	84	nw.
Millsboro	Sussex	20	40	57.3	98	Aug. 31	4	Dec. 19	40	54.28	8.00	Oct.	2.20	Aug.	12.5	107	171	111	84	nw.
Wilmington	New Castle	86	.....	.....	.....	.....	.....	.....	.....	49.54	7.01	Nov.	1.59	Apr.	21.3	120	146	117	103	nw.
Wilmington	New Castle	260	21	55.0	97	Sept. 1	12	Dec. 16	21	50.00	7.14	Nov.	1.43	Apr.	19.0	113	146	117	108	nw.
For Maryland and District of Columbia	.....	.....	.....	55.0	106	Sept. 1	6	Dec. 16*	.....	46.93	12.68	Oct.	0.20	Sept.	19.6	111	157	108	101	nw.
For Delaware	.....	.....	.....	56.6	100	Aug. 31	4	Dec. 19	.....	49.03	8.18	Oct.	0.95	Sept.	16.0	110	163	112	91	nw.
For entire section	.....	.....	.....	55.2	106	Sept. 1	6	Dec. 16*	.....	47.15	12.68	Oct.	0.20	Sept.	19.2	111	157	108	101	nw.

\*Also on other dates. †Post Office addresses of these stations are as follows: Of Bell, Glenddale; of Coleman, Wornton; of Fallston, Bagley; of Ferry Landing, Owings; of Great Falls, Bethesda; of Pleasant Hill, Owings Mills. ‡Drum Point Light Station. §Porter Reservoir. ¶Also November.

Monthly and Annual Precipitation for the Year 1932, with Departures from the Normal

Table with columns for Stations, months (January-December), and Annual. Rows list various stations in Maryland, District of Columbia, and Delaware, with numerical values for precipitation and departure from normal.

\* Determined from surrounding stations.

Monthly and Annual Mean Temperatures for the Year 1932, with Departures from the Normal

Table with columns for Stations, months (January-December), and Annual. Each month has two sub-columns: Temperature and Departure. Rows list various locations in Maryland, District of Columbia, and Delaware.

\* Determined from surrounding stations.

(W. B. O., Richmond, Va.—310-33-1,850)