

## CLIMATOLOGICAL DATA.

## MARYLAND AND DELAWARE SECTION.

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## GENERAL SUMMARY.

The year for the section, on the whole, was cool and wet, with a percentage of sunshine below the normal.

The winter, including December, 1919, was cold, with deficient precipitation, but normal snowfall, of which more than half fell in February; spring was cool, with rainfall below the normal; summer was cool and wet, the wettest on record over southern Baltimore County, and was characterized by many severe and damaging electrical and wind storms; autumn was mild and dry; and December mild, with normal precipitation and light snowfall.

The annual precipitation was unevenly distributed over the section. It was well above the normal and in excess of 50 inches on the Eastern Shore over the area comprising Kent (Del.), Sussex, Wicomico, and Somerset Counties; with a maximum of 56.29 inches at Seaford. It was deficient and below 40 inches over western Maryland, except in southern Garrett County, with a minimum of 32.49 inches at Chewsville. It was below normal also in the District of Columbia, but elsewhere over the section the annual amounts were above the normal, and between 40 and 50 inches. The snowfall for the year ranged from 67.0 inches at Friendsville to 3.5 inches at Crisfield.

The season of safe plant growth was 183 days for the section as a whole, or two days shorter than the average for a long series of years. This period varied for different portions of the section, as follows: 140 days in Garrett County, 145 days in Allegany and Washington Counties, 177 days in north-central Maryland, 199 days in southern Maryland, 191 days over the Eastern Shore, and 216 days along the shores of Chesapeake Bay.

Despite some adverse weather conditions the crop-growing season was a favorable one.—J. B., jr.

## SUMMARY BY MONTHS.

January was cold, with an average precipitation below the normal and a light snowfall. Below zero temperatures were recorded in Garrett and western Allegany Counties from the 3d to the 6th. The mean temperature, 27.8°, was 5.0° below the normal. Winter grains and grass were brown.

February was moderately cold. Cold days were 1st, 15-17th, 19th-21st, and 25-29th. Precipitation was well above the normal, and the snowfall, which averaged one and one-half times the normal, was heavy in western Maryland and the Piedmont Plateau, where it totaled 20 to 30 inches. One-half to two-thirds of the monthly precipitation occurred from the 4th to the 6th, under the influence of a "northeaster". Winter grains and grass were snow-covered throughout the month over the western portion of the section.

March was mild and sunshiny, with precipitation slightly below the normal and light snowfall. Cold and warm periods of brief duration alternated frequently during the first two decades; the third was warm. Winter grains and grass became green, and farming operations began in the southern counties during the second decade, and in the northern counties during the third decade.

April, cool, cloudy, and wet, was the coolest April since 1911. The number of rainy days was large. Light snow fell in the mountain districts on the 5-8th and 13th. Plant

growth was retarded and farming operations were interrupted. Grains and grass made good growth and improved. Fruit-trees bloomed, apple trees heavily.

May was markedly cool, the third coolest May on record. The mean temperature, 58.5°, was 4.4° below the normal. Frost on the 6th injured potatoes, strawberries, and other small fruits in the interior of the Eastern Shore. Three-fourths of the rainfall, which averaged slightly more than one-half of the normal, occurred from the 7th to the 14th. Unseasonable coolness and the dry weather of the second half of the month retarded plant growth. Wheat, rye, oats, grass, potatoes, and peas, however, made good growth, and fruits did well. Gardens and truck were backward. Much plowing was done.

June was characterized by the occurrence of many severe and damaging electrical storms. The rainfall averaged 5.37 inches, or one and one-third times the normal. Wheat, rye, oats, grass, potatoes, corn, and fruits improved, and were in good condition. Truck and gardens made excellent progress. Peas and strawberries were harvested. Wheat and rye ripened rapidly, oats headed, and hay was cut during the third decade. Tomato and sweet potato plants did well, but replanting of tobacco plants was necessary.

July was cool. There were four warm days, 23d-24th and 30th-31st, when maximum temperatures of 90°, or slightly above, were recorded. Rainfall occurred mostly in the form of thunder-showers, averaged slightly above the normal, and was unevenly distributed over the section. Wheat, rye, early potatoes, and early apples were harvested, and hay making continued. Oats ripened. Corn, excellent in color and condition, improved steadily, and tasseled. Sweet potatoes, tomatoes, truck, gardens, tobacco, and fruits did well; also buckwheat in the mountain districts. Pastures were good to excellent.

August was wet, with average rainfall of 7.02 inches, or 2.58 inches above the normal. The month was characterized by a marked deficiency of sunshine, high humidity, the largest number of rainy days on record, and a wet spell (9-25th) of unprecedented length. The weather was warm from the 7th to the 18th and on the 30th-31st; otherwise cool. Plant growth made excellent progress, buckwheat grew rapidly, harvesting of tomatoes, sugar corn, cantaloupes, and melons began and of apples continued, and oats were cut during the first two decades. The cool, wet weather of the third decade caused some tomatoes, late potatoes, sweet potatoes, tobacco and some truck of the vine variety to rot, and some wheat, rye, oats, and hay in shock to sprout and mold.

September was characterized by a spell of dry, sunshiny weather from the 11th to the 26th. The mean temperature was slightly above the normal, and the rainfall slightly below. Late potatoes, sweet potatoes, and buckwheat deteriorated somewhat during the dry spell. Truck, gardens, fruits, and pastures were in good to excellent condition generally. Corn ripened slowly. The second hay crop was cut. Buckwheat was harvested in the mountain districts. Harvesting of tomatoes, sugar corn, peaches, and tobacco ended; of apples continued. Cutting of early planted corn, digging of sweet potatoes, and picking of pears began.

October was warm, dry, and sunshiny, and the major portion typical of Indian Summer. The rainfall averaged 0.87 inch, and was the least on record. Late potatoes and truck did well. Pastures were fair to good. Buckwheat was harvested over the eastern portion. Corn was cut, sweet potatoes were dug, and green tomatoes and pears were picked. Harvesting of apples continued, and digging of late potatoes

(Continued on page 19.)

## Climatological data for the year 1920.

Stations.	Counties.	Elevation, feet.	Temperature, degrees Fahrenheit.						Precipitation, in inches.						Number of rainy days.	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 clear days.	Number of partly cloudy days.	Number of cloudy days.	
Maryland.																				
Aberdeen	Harford	80	2	52.6	93	June 29	3	Feb. 1	2	7.77	Aug.	0.25	Oct.	116	127	111	128	nw.		
Baltimore (U. S. W. B.)		115	50	55.2	97	June 11	8	Feb. 1	50	48.43	Aug.	0.17	Oct.	119	129	97	140	sw.		
Baltimore (Lake Montebello).		200	10		94	June 29	7	Jan. 19*	12	9.78	Aug.	0.46	Oct.					nw.		
Boys	Montgomery	424	2	53.2	95	June 11	6	Jan. 3	1	5.42	Aug.	0.65	Oct.		178	98	90	w.		
Cambridge	Dorchester	25	23		97	June 11	9	Feb. 1	23	10.90	Aug.	1.24	Oct.					nw.		
Cecilton	Cecil	85	2	53.5	94	June 11	4	Feb. 11	2	46.35	Aug.	1.07	Oct.	17.7	124	140	65	158	nw.	
Cheltenham	Prince Georges	230	20	54.1	94	July 24	5	Jan. 19	20	48.83	July	0.35	Oct.	8.8	126	177	69	120	nw.	
Chewsville	Washington	530	23	51.0	93	July 31	2	Jan. 19	23	32.49	Apr.	0.46	Oct.	30.0	110	159	119	88	nw.	
Clear Spring	do.	500							21	34.52	Apr.	0.42	Oct.	38.1	104	186	81	99	nw.	
Coleman	Kent	80	19	54.6	95	June 29	4	Feb. 1	21	49.13	Aug.	0.67	Oct.	16.0	98	187	80	99	nw.	
College Park	Prince Georges	170	33	53.2	94	June 11*	4	Jan. 3*	34	44.09	July	0.28	Oct.	13.2	106	209	70	87	nw.	
Crisfield	Somerset	5	2	56.7	90	June 17	12	Jan. 5	2	45.38	Aug.	0.70	May	3.5	82	113	164	89	nw.	
Cumberland	Allegany	623	36	53.1	95	June 11*	0	Jan. 4	47	34.78	June	1.30	Oct.	33.5	118	201	45	120		
Darlington	Harford	300	30	52.5	95	June 11	3	Feb. 1	29	46.02	Aug.	0.48	Oct.	17.0	103	194	91	81	nw.	
Easton	Talbot	35	30	54.7	93	July 24	7	Feb. 1	30	43.95	Aug.	1.05	Oct.	12.5	100	199	69	98	sw.	
Emmitsburg	Frederick	720	52		93	June 11	4	Jan. 3	52			0.89	Oct.	33.8					n.	
Fallston	Harford	450	51	52.1	90	June 11*	2	Feb. 1	51	47.17	Aug.	0.62	Oct.	16.0	127	129	165	72	nw.	
Ferry Landing	Calvert	45	4	54.8	97	July 27	7	Jan. 3	4	53.24	July	0.38	Oct.	9.7	125	142	114	110	nw.	
Frederick	Frederick	275	46	53.6	98	June 11	7	Jan. 3*	46	47.48	Aug.	0.70	Oct.	29.0	143	206	36	124	nw.	
Friendsville	Garrett	1,501	2	48.0	85	June 11*	6	Jan. 4	2	8.27	June	0.91	Oct.	67.0		88	127	151	w.	
Frostburg	Allegany	1,929	16	49.7	89	Sept. 26	2	Jan. 4	19	39.90	June	1.53	Oct.	57.4	124	186	102	78	w.	
Grantsville	Garrett	2,351	27	46.1	85	Aug. 15	8	Jan. 3	27	39.04	June	0.76	Oct.	65.2	135	122	95	149	w.	
Great Falls	Montgomery	200	30	53.3	96	June 11	7	Jan. 3	31	42.94	July	0.98	Oct.	14.2	120	130	146	90	s.	
Keedysville	do.	400	17	52.6	96	June 29	1	Jan. 19	17	38.16	Aug.	0.32	Oct.	24.7	121	180	96	90	nw.	
La Plata	Charles	190	4	54.9	95	June 11	8	Jan. 3	4	49.06	Aug.	0.58	Oct.	7.6	120	187	92	87	sw.	
Oakland	Garrett	2,461	21	46.1	85	July 23	10	Jan. 6	21	47.58	Apr.	1.55	Oct.	61.3	172	129	108	126	w.	
Princess Anne	Somerset	17	45	54.5	90	July 24	7	Jan. 6	27	53.80	Feb.	0.93	Oct.	6.5	99	125	131	110	nw.	
Public Landing	Worcester	10	5	54.8	92	June 29	8	Jan. 3	5	45.37	Aug.	0.95	May	4.0	109	165	100	101	s.	
Salisbury	Wicomico	23	15		93	June 15*	5	Jan. 19	15	9.87	Aug.	0.75	Oct.	7.0						
Solomons	Calvert	20	29	56.5	94	June 29*	10	Jan. 3	29	40.15	Aug.	0.60	Oct.	12.5	117	96	90	180	nw.	
State Sanatorium	Frederick	1,460	12	50.3	89	June 11*	0	Jan. 3	12	6.45	Aug.	0.50	Oct.	32.5		172	76	118	nw.	
Sudlersville	Queen Annes	65	23	53.5	94	June 29	5	Feb. 1	23	43.39	Aug.	1.32	Oct.	16.3	113	189	51	126	w.	
Takoma	Montgomery	320	22	53.1	93	June 11	5	Jan. 3	22	41.99	Apr.	1.11	Oct.	14.0	112	108	147	111		
Western Port	Allegany	1,000	27	51.9	94	June 10	2	Jan. 4	27	6.15	Aug.	1.19	May	31.3	97					
Woodstock	Baltimore	392	50	52.7	96	June 11	2	Jan. 19	50	49.90	Aug.	1.25	Oct.	17.1	122	176	85	105	n.	
Yarrow (Rockville)	Montgomery	421	13	52.4	94	June 11*	4	Jan. 6*	12	45.76	June	0.75	Oct.		105	152	126	88	nw.	
District of Columbia.																				
Washington (U.S.W.B.)		112	50	54.7	95	June 11*	9	Jan. 3*	50	40.41	5.71	July	0.40	Oct.	11.8	128	111	102	153	nw.
Delaware.																				
Delaware City	New Castle	10	34		92	July 24	4	Feb. 1	32			0.75	Oct.	15.5					nw.	
Dover	Kent	34	31	54.4	97	June 29	6	Feb. 1	30	51.61	Aug.	1.22	Oct.	12.3	119	227	72	67	nw.	
Milford	do.	20	38	54.8	93	June 29*	8	Jan. 3*	38	51.43	Nov.	1.14	Sept.	8.5	113	178	113	75	sw.	
Millsboro	Sussex	20	28	54.7	96	June 29*	6	Jan. 6	28	52.13	Aug.	1.25	Oct.	9.0	115	205	64	97	se.	
Seaford	do.	40	29	54.9	95	June 29	7	Jan. 6*	29	56.29	Aug.	1.37	Oct.	6.5	120	189	76	101	w.	
Wilmington	New Castle	86	27	52.5	91	June 29	1	Feb. 1	27	47.53	Aug.	0.38	Oct.	18.7	107	211	55	100	sw.	
For Maryland and District of Columbia.				53.1	98	June 11	10	Jan. 6		44.12	11.16	Aug.	0.17	Oct.	21.3	115	161	95	110	nw.
For Delaware				54.1	97	June 29	1	Feb. 1		50.41	9.45	Aug.	0.38	Oct.	11.3	112	204	75	87	sw.
For entire section				53.3	98	June 11	10	Jan. 6		44.95	11.16	Aug.	0.17	Oct.	20.0	113	166	98	107	nw.

\*Also on other dates.

†† Post-office addresses of these stations are as follows: Of Coleman, Worton; of Fallston, Bagley; of Ferry Landing, Dunkirk; of Great Falls, Bethesda; of Public Landing, Snow Hill.

## KILLING FROSTS, 1920.

Stations.	Last in spring.	First in autumn.	Stations.	Last in spring.	First in autumn.	Stations.	Last in spring.	First in autumn.
<i>Maryland.</i>			<i>Maryland—Continued.</i>			<i>Maryland—Continued.</i>		
Aberdeen	Apr. 10*	Nov. 13	Frederick	Apr. 15	Nov. 4	Woodstock	May 16	Oct. 2
Baltimore (U. S. W. B.)	Apr. 11	Nov. 13	Friendsville	May 16	Oct. 3	Yarrow (Rockville)	May 16*	Oct. 30†
Boys	May 16*	Oct. 30†	Frostburg	May 3*	Oct. 7†			
Cambridge	May 6*	Nov. 13†	Grantsville	May 16	Oct. 3	<i>District of Columbia.</i>		
Cecilton	Apr. 11*	Nov. 13	Great Falls	May 3*	Oct. 30†	Washington	Apr. 14	Nov. 4
Cheltenham	May 6*	Oct. 30	Keedysville	May 15	Oct. 7			
Chewsville	May 15	Oct. 3	La Plata	Apr. 15*	Oct. 30	<i>Delaware.</i>		
Coleman	Apr. 11*	Nov. 13†	Oakland	May 22	Oct. 3	Delaware City	Apr. 11*	Nov. 13†
College Park	May 16*	Oct. 30	Princess Anne	May 6	Oct. 31	Dover	Apr. 11*	Nov. 13
Crisfield	Apr. 11*	Nov. 13	Public Landing	May 6*	Nov. 13†	Milford	May 6	Nov. 13†
Cumberland	Apr. 15*	Oct. 30†	Salisbury	May 6	Nov. 13	Millsboro	May 6	Nov. 13†
Darlington	Apr. 15*	Oct. 31†	Solomons	Apr. 6	Nov. 13	Millsboro	May 6	Nov. 4
Easton	Apr. 11*	Nov. 13	State Sanatorium	Apr. 25*	Nov. 12	Seaford	May 6	Nov. 13†
Emmitsburg	Apr. 11*	Nov. 13	Sudlersville	May 6	Nov. 13†	Wilmington	Apr. 11*	Nov. 13†
Fallston	Apr. 14*	Oct. 30	Takoma	Apr. 14*	Oct. 30			
Ferry Landing	Apr. 14*	Oct. 30	Western Port	May 15*	Oct. 7†			

\*No record of frost, the date of last temperature of 32° or lower.

†No record of frost, the date of first temperature of 32° or lower.

Monthly and annual precipitation for the year 1920, with departures from the normal.

Stations.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.		Annual.	
	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.
<b>Maryland.</b>																										
Aberdeen.....	1.80		3.49				5.37		2.01		4.69		5.63		7.77		2.79		0.25		2.89		3.66			
Baltimore (U. S. W. B.).....	1.87	-1.35	3.41	-0.22	2.56	-1.32	4.84	+1.57	2.30	-1.26	8.25	+4.41	4.94	+0.12	9.47	+5.25	3.08	-0.77	0.17	-2.85	3.96	+1.04	3.58	+0.50	48.48	+ 5.13
Baltimore (Lake Monte-bello).....	1.90	-1.80	3.45	-0.05			5.14	+1.43	2.64	-0.96	6.59	+2.32	4.47	-0.14	9.78	+3.66	2.80	-0.22	0.46	-1.94	3.15	+0.52	3.45	-0.13		
Boys.....											4.64		5.15		5.42		3.73		0.65		3.42					
Cambridge.....	3.45	+0.45	4.73	+1.27	4.08	+0.48	4.30	+0.69	2.02	-1.51	6.23	+2.16	4.12	-0.66	10.90	+5.97			1.24	-2.35	5.05	+2.35	2.72	-0.94		
Cecilton.....	1.92		3.49		3.73		5.21		2.35		5.14		4.80		8.55		3.07		1.07		3.53		3.49		46.35	
Cheltenham.....	2.66	-0.34	3.48	+0.28	2.89	-0.71	5.72	+1.70	2.18	-1.03	6.88	+2.32	7.89	+2.74	5.63	+1.24	3.06	-0.03	0.35	-2.61	4.80	+2.47	3.59	-0.05	48.83	+ 5.98
Chewsville.....	2.04	-0.93	3.21	+0.82	2.02	-0.94	4.62	+1.78	2.01	-1.30	3.41	-0.65	3.57	-0.33	2.95	-0.91	2.57	-0.16	0.46	-2.07	3.21	+1.33	2.42	-0.42	32.49	- 3.78
Clear Spring.....	1.71	-1.62	3.44	+0.58	2.59	-1.00	4.62	+1.19	2.42	-1.22	2.88	-1.43	2.76	-1.43	3.44	-1.11	4.24	+1.40	0.42	-2.35	2.99	+0.88	3.00	-0.33	34.52	- 6.44
Coleman.....	2.48	-0.95	3.28	+0.14	3.12	-0.44	5.06	+1.50	3.00	-0.38	5.28	+1.78	5.62	+1.06	11.05	+6.18	2.49	-0.91	0.67	-2.21	3.13	+0.47	3.95	-0.09	49.13	+ 5.81
College Park.....	2.48	-0.64	3.48	+0.01	3.29	-0.33	5.00	+1.47	1.90	-1.93	5.10	+0.98	6.06	+1.62	4.65	+0.73	4.38	+1.32	0.28	-2.22	3.15	+0.65	4.32	+1.23	44.09	+ 2.89
Crisfield.....	3.93		5.48		4.61		2.55		0.70		3.40		5.34		6.85		2.32		0.72		5.62		3.86		45.38	
Cumberland.....	1.77	-0.67	1.87	-0.68	2.21	-0.80	4.06	+1.37	1.40	-2.06	6.25	+2.22	4.41	-0.75	5.19	+1.64	2.46	-0.21	1.30	-1.09	2.95	+0.78	2.93	+0.36	34.78	+ 0.12
Darlington.....	2.19	-1.15	3.62	+0.29	3.27	-0.20	4.78	+1.48	2.39	-1.09	5.43	+1.44	4.02	-0.60	9.12	+4.09	3.27	-0.37	0.48	-2.71	3.15	+0.35	4.30	+0.46	46.02	+ 1.99
Easton.....	2.33	-0.54	3.54	+0.44	3.12	-0.44	4.71	+1.46	2.41	-1.02	5.78	+1.90	3.78	-0.61	7.19	+2.80	2.40	-0.62	1.05	-2.21	3.23	+2.61	2.42	-0.65	43.95	+ 3.12
Emmitsburg.....	1.88	-1.44	3.56	+0.36	2.64	-1.46	5.13	+1.74	2.02	-2.07	3.43	-0.67	4.63	+0.57			3.63	-0.25	0.89	-2.69	4.10	+0.85	4.22	+0.99		
Fallston.....	1.96	-1.41	3.72	+0.42	2.89	-1.20	5.31	+1.79	2.57	-1.23	5.47	+1.38	4.04	-0.50	9.77	+4.87	2.96	-1.16	0.62	-2.84	3.24	+0.01	4.62	+0.91	47.17	+ 1.04
Ferry Landing.....	3.50		4.23		3.41		5.68		1.81		7.20		7.57		6.08		4.86		0.58		6.04		3.59		58.24	
Frederick.....	2.28	-0.92	4.71	+1.75	2.58	-0.66	5.68	+2.29	2.13	-1.63	4.67	+0.23	5.70	+1.56	7.26	+3.61	4.53	+1.38	0.79	-1.85	3.81	+1.24	3.66	-0.09	47.48	+ 7.01
Friendsville.....	2.45		2.99				6.87				8.27		4.87		4.80				0.91		3.28		3.82			
Frostburg.....	2.54	-1.06	3.06	+0.33	2.48	-1.32	4.70	+0.94	2.50	-1.60	6.08	+1.15	4.71	+0.48	4.69	+0.27	2.47	-0.67	1.53	-1.48	2.80	+0.48	2.34	-0.69	39.90	- 3.17
Grantsville.....	2.56	-1.07	3.30	+0.03	2.49	-1.49	4.91	+1.30	0.95	-2.53	6.61	+2.34	3.29	-1.09	5.12	+1.09	3.01	+0.29	0.76	-1.97	3.16	+0.56	2.88	-0.55	39.04	- 3.09
Great Falls.....	2.25	-1.05	3.83	+1.07	2.56	-0.69	4.88	+1.40	1.84	-1.36	5.17	+1.38	5.73	+1.68	5.11	+1.28	3.79	+0.71	0.98	-1.72	3.66	+1.45	3.58	+0.45	42.94	+ 4.60
Keedysville.....	2.00	-1.00	3.77	+1.12	1.92	-1.02	3.27	+0.13	2.01	-1.11	3.89	-0.23	4.77	+0.83	5.58	+0.98	2.56	-0.20	0.32	-2.61	3.41	+1.54	3.06	-0.41	36.16	- 1.98
La Plata.....	2.66		4.28		2.98		4.48		2.05		7.38		5.21		8.86		3.19		0.58		4.70		2.69		49.06	
Oakland.....	3.35	-0.89	3.26	+0.12	3.58	-0.27	6.99	+2.97	2.21	-2.23	6.45	+1.83	5.25	+0.54	4.00	-0.16	3.31	+0.29	1.55	-1.73	3.66	+1.21	3.97	+0.22	47.58	+ 1.90
Princess Anne.....	3.55	+0.46	7.70	+4.24	4.04	+0.30	3.73	+0.39	1.06	-2.02	5.44	+1.57	6.83	+2.39	7.30	+2.17	3.67	+0.89	0.93	-2.41	5.82	+3.37	3.73	+0.58	53.80	+11.93
Public Landing.....	2.64		6.14		3.24		3.38		0.95		3.69		2.35		9.62		1.95		1.61		5.22		4.68		45.37	
Salisbury.....	3.37	+0.17	7.79	+4.34	4.35	+0.40	3.37	-0.02	1.54	-2.02	5.12	+1.14	2.33	-1.47	9.87	+4.44	4.56	+1.31	0.75	-2.78						
Solomons.....	3.24	+0.49	5.02	+2.27	2.95	-0.30	3.74	+0.81	1.46	-1.62	4.71	+1.39	4.08	-0.09	6.71	+2.87	2.03	-0.58	0.60	-2.13	3.52	+1.52	2.09	-0.64	40.15	+ 3.99
State Sanatorium.....													3.75	+0.12	6.45	+0.90	5.10	+1.25	0.50	-2.24	3.10	+0.85	3.30	+0.06		
Sudlersville.....	2.57	-0.73	3.58	+0.40	3.20	-0.80	4.94	+1.33	2.61	-0.88	4.96	+1.11	2.99	-1.73	8.33	+3.80	2.12	-1.48	1.32	-1.48	3.71	+1.07	3.07	-0.84	33.39	- 0.57
Takoma.....	2.51	-0.79	3.80	+0.95	2.94	-0.76	5.15	+1.62	1.78	-2.04	5.12	+0.61	5.03	+0.95	5.07	+0.58	2.45	-0.91	1.11	-1.62	3.50	+1.41	3.53	-0.81	41.99	- 0.90
Western Port.....	1.30	-1.28	1.43	-0.68	1.91	-0.89			1.19	-2.21	4.91	+0.91	4.43	-0.95	6.16	+2.65			2.35	+0.69	3.49	+1.81	1.95	-0.27		
Woodstock.....	2.26	-1.12	4.22	+1.06	2.77	-0.95	5.21	+2.03	2.62	-1.04	6.80	+2.98	3.21	-0.83	11.16	+6.55	2.81	-0.66	1.25	-1.90	3.74	+0.97	3.85	+0.72	49.90	+ 7.81
Yarrow (Rockville).....	2.38	-0.92	4.30	+1.00	2.46	-1.04	4.36	+0.96	1.75	-2.19	6.76		6.26	+1.51	5.24	+0.39	3.71	+0.66	0.75	-1.56	3.92	+0.81	3.87	+0.64	46.76	
<b>District of Columbia.</b>																										
Washington (U. S. W. B.).....	2.30	-1.07	3.47	-0.06	2.39	-1.46	4.69	+1.44	1.42	-2.41	4.80	+0.62	5.71	+1.06	4.70	+0.30	2.87	-0.72	0.40	-2.69	4.51	+1.80	3.15	-0.01	40.41	- 3.20
<b>Delaware.</b>																										
Delaware City.....	1.92	-0.98	3.66	+0.36	3.23	-0.01	3.65	+0.39	2.19	-1.18	5.15	+1.35	4.24	+0.58			3.56	+0.39	0.75	-1.79	3.59	+1.45	3.48	-0.33		
Dover.....	2.50	-0.74	4.83	+1.53	4.36	+0.21	4.66	+1.20	2.67	-0.92	7.14	+3.51	4.85	+0.48	7.35	+2.63	2.85	-0.63	1.22	-1.90	6.08	+2.73	3.15	-0.28	51.61	+ 7.82
Milford.....	3.56	+0.34	5.62	+2.07	4.41	+0.33	3.70	+0.38	2.84	-0.99	6.86	+3.04	4.11	-0.11	6.96	+2.28	1.14	-2.37	1.46	-1.93	7.27	+4.18	3.50	-0.81	51.43	+ 6.89
Millsboro.....	3.56	+0.22	8.57	+4.92	3.60	-0.37	3.77	+0.09	1.32	-2.38	3.61	-0.22	4.23	-0.30	9.45	+4.44	2.34	-0.65	1.25	-2.33	6.58	+4.04	3.85	-0.05	52.13	+ 7.36
Seaford.....	3.83	+0.45	6.35	+2.93	3.84	-0.01	3.92	+0.38	1.87	-1.97	5.18	+1.39	7.96	+2.78	8.79	+4.46	2.45	-0.58	1.87	-2.00	7.88	+5.28	2.85	-0.45	52.29	+12.58
Wilmington.....	2.82	-1.04	3.64	+0.33	3.75	+0.21	3.88	+0.50	2.90	-0.75	5.48	+1.57	9.96	-1.07	8.12	+3.28	4.86	+1.40	0.88	-2.80	3.95	+1.07	4.29	+0.55	47.53	+ 3.15
For Maryland and District of Columbia.....	2.40	-0.82	3.97	+0.88	3.00	-0.65	4.77	+1.40	1.94	-1.61	5.34	+1.24	4.65	+0.23	6.86	+2.42	3.11	-0.10	0.84	-2.11	3.82	+1.22	3.42	-0.01	44.12	+ 2.09
For Delaware.....	2.95	-0.29	5.44	+2.01	3.86	+0.06	3.93	+0.49	2.30	-1.36	5.57	+1.77	4.89	+0.23	8.13	+3.42	2.87	-0.41	1.07	-2.13	5.88	+3.12	3.52	-0.18	50.41	+ 4.73
For entire section.....	2.47	-0.73	4.17	+1.08	3.14	-0.49	4.64	+1.23	1.99	-1.57	5.37	+1.34	4.68	+0.23	7.02	+2.58	3.08	-0.16	0.87	-2.11	4.08	+1.55	3.43	-0.04	44.95	+ 2.91

(Continued from page 97.)

Condensed Summary Climatological Data, 1920.

Months.	Temperature.				Precipitation.				
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Monthly and annual mean temperatures for the year 1920, with departures from the normal.

Stations.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.		Annual.	
	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.
<b>Maryland.</b>																										
Aberdeen.....	25.2	.....	29.6	.....	41.6	.....	50.6	.....	59.0	.....	69.5	.....	73.1	.....	73.2	.....	68.1	.....	50.8	.....	44.7	.....	37.2	.....	52.6	.....
Baltimore (U. S. W. B.)..	28.6	-4.8	32.8	-1.9	44.8	+2.9	52.8	-0.2	60.8	-3.4	72.6	-0.4	76.0	-1.3	74.8	+0.1	69.8	+1.2	63.1	+5.6	47.1	+1.3	39.8	+2.9	55.2	+0.1
Baltimore (Lake Monte- bello).....	27.8	.....	32.9	-1.1	.....	.....	52.1	-0.2	59.9	.....	71.4	+0.7	75.0	-0.8	73.8	-0.1	68.4	0.0	61.2	+2.7	45.4	+0.4	38.1	+3.1	.....	.....
Boys.....	27.8	.....	31.4	.....	43.1	.....	50.4 <sup>d</sup>	.....	59.2	.....	69.8	.....	73.5 <sup>a</sup>	.....	74.3 <sup>b</sup>	.....	68.4	.....	60.1 <sup>a</sup>	.....	42.8	.....	37.2	.....	53.2	.....
Cambridge.....	30.4	-4.7	33.8	-1.8	45.4	+1.0	54.2	-1.0	60.6	-5.4	73.8	+0.4	76.0 <sup>c</sup>	-2.7	76.2	-0.2	.....	.....	63.0	+3.4	47.2	-0.2	41.0	+3.3	.....	.....
Cecilton.....	26.8	.....	31.0	.....	42.7	.....	51.5	.....	58.6	.....	70.6	.....	74.2	.....	74.2	.....	68.4	.....	60.8	.....	44.8	.....	38.0	.....	53.5	.....
Cheltenham.....	29.5	-4.7	32.4	-1.4	44.7	+1.4	53.0	-0.9	59.4	-4.4	70.4	-0.1	73.6	-1.9	74.0	+0.5	68.6	+0.9	60.8	+3.3	45.0	-0.2	37.9	+3.0	54.1	-0.4
Cheswille.....	25.1	-5.0	28.8	-0.8	41.4	+0.3	48.4	-2.3	57.4	-3.9	68.0	-1.2	71.0	-8.2	72.3	0.0	64.9	-0.9	57.8	+2.8	41.2	-1.5	35.2	+3.1	51.0	-1.0
Coleman.....	27.2	-5.8	31.6	-1.0	43.2	+0.1	52.6	-0.6	60.0	-4.0	71.7	+0.2	75.6 <sup>c</sup>	-0.6	74.4 <sup>c</sup>	-0.2	70.3 <sup>a</sup>	+1.2	62.8 <sup>a</sup>	+4.3	46.3	+0.1	39.3	+3.6	54.6	-0.2
College Park.....	28.9	-4.4	32.4	-1.4	43.0	+0.7	52.2	-0.6	60.6	-4.4	69.5	-1.4	72.9	-2.2	74.0	0.0	67.4	-0.1	58.8	+2.5	43.1	-0.7	37.7	+2.0	53.2	-0.8
Crisfield.....	32.7	.....	35.4	.....	45.6	.....	54.4	.....	69.9 <sup>a</sup>	.....	72.6	.....	75.6 <sup>c</sup>	.....	75.8	.....	71.6	.....	63.8	.....	49.9	.....	43.1	.....	56.7	.....
Cumberland.....	28.0	-3.0	32.8	+0.1	45.2	+5.7	50.0	-1.8	61.4	-1.4	71.0	+0.7	72.2	-1.7	72.4	+0.4	66.8	+1.8	58.7	+4.4	43.1	-0.4	35.3	+1.6	53.1	+0.5
Darlington.....	25.8	-5.0	30.4	-0.6	41.4	+0.4	50.8	-0.8	58.9	-3.3	70.0	-1.2	72.8	-1.6	73.0	+0.5	67.4 <sup>b</sup>	+1.2	59.6	+4.4	43.7	+0.1	36.6	+3.2	52.5	-0.1
Easton.....	29.8	-4.6	32.8	-1.1	44.7	+0.9	53.2	-0.3	58.8	-4.9	70.8	-0.1	74.0	-2.1	74.8	+0.5	69.4	+1.1	61.7	+3.8	46.4	-1.3	40.4	+3.8	54.7	-0.4
Emmitsburg.....	26.1	-4.9	29.6	-2.1	42.5	+2.5	50.0	-1.7	59.0 <sup>c</sup>	-3.0	69.6	-0.2	71.8 <sup>c</sup>	-3.4	.....	.....	67.0 <sup>c</sup>	+1.3	60.4 <sup>b</sup>	+5.4	42.9	0.0	.....	.....	.....	.....
Fallston.....	25.8	-5.1	29.9	-1.5	41.0	0.0	49.8	-0.8	58.4	-3.0	69.4	-0.1	72.3	-1.8	72.2	+0.1	66.2	+0.5	60.1	+4.9	43.6	+0.2	36.8	+3.1	52.1	-0.3
Ferry Landing.....	30.2	.....	32.7	.....	44.9	.....	53.4	.....	61.4	.....	71.4	.....	74.5	.....	74.8	.....	69.1	.....	61.2	.....	46.1	.....	39.4	.....	54.8	.....
Frederick.....	27.4	-4.6	32.0	-1.6	43.6	+1.8	52.0	-0.6	60.6	-2.9	71.1	-0.6	74.8	-1.4	74.6	+0.7	67.6	+0.5	59.8	+4.1	43.7	-0.2	36.9	+2.4	53.6	-0.2
Friendsville.....	25.2	-5.2	27.6	-3.6	35.9	.....	43.6	.....	54.9 <sup>c</sup>	.....	64.2 <sup>a</sup>	.....	68.8	.....	67.4	.....	62.9	.....	54.8	.....	39.6	.....	33.2	.....	48.0	.....
Frostburg.....	24.8	-4.9	27.8	-1.3	40.2	+1.6	45.2	-4.8	56.4	-4.0	66.8	0.7	69.0	-2.8	69.0	-1.4	65.2	+0.9	58.7	+3.7	40.0	-2.0	33.2	+2.1	49.7	-1.1
Grantsville.....	22.8	-4.2	24.0	-1.6	36.6	+0.3	43.1	-2.8	52.0	-5.0	62.3	-1.4	64.4	-3.6	65.8	-0.8	60.6	-0.5	52.9	+2.4	38.4	-0.6	30.5	+1.9	46.1	-1.3
Great Falls.....	28.0	-3.8	32.0	0.0	44.1	+1.4	52.1	-0.9	59.2	-4.7	70.2	-1.1	73.0 <sup>b</sup>	-2.5	73.7 <sup>a</sup>	-0.3	66.8	-1.1	60.3	+4.5	42.4	-0.5	37.2	+3.3	53.3	-0.5
Keedysville.....	26.4	-5.6	30.0	-1.4	43.8	+1.2	50.8	-2.3	59.4	-4.0	69.7	-1.0	72.6	-2.7	73.6	0.0	66.8	-0.3	58.7	+2.3	42.8	-0.8	36.4	+3.4	52.6	-0.9
La Plata.....	30.9	.....	33.8	.....	45.2	.....	54.4 <sup>a</sup>	.....	62.6	.....	71.0	.....	74.3 <sup>a</sup>	.....	74.8	.....	69.5	.....	60.7	.....	45.2	.....	39.2	.....	54.9	.....
Oakland.....	24.1	-4.0	25.6	-1.0	37.3	+1.0	43.4	-2.5	51.5 <sup>c</sup>	-4.5	61.7	-1.8	63.8	-2.9	65.6	-0.1	61.3	+0.9	52.2	+2.6	36.7	-0.9	30.0	+1.1	46.1	-1.0
Princess Anne.....	31.0	-6.0	34.0	-2.7	45.0	-0.5	53.2	-1.2	61.8	-6.4	70.0	-1.1	72.8	-3.4	74.0	-0.7	68.3	-0.4	60.6	+2.8	47.4	+0.1	40.8	+2.2	54.5	-1.4
Public Landing.....	32.6	.....	33.2	.....	43.6	.....	52.0	.....	61.0	.....	71.2	.....	73.2	.....	74.4	.....	69.6	.....	61.6	.....	47.7	.....	41.4	.....	54.8	.....
Salisbury.....	30.9	-5.1	34.3 <sup>c</sup>	-2.1	45.2	+0.6	53.4	-1.0	58.1 <sup>a</sup>	-6.1	71.8 <sup>b</sup>	+0.4	74.4	-2.3	74.8	-1.1	69.1	-0.4	60.8	+1.9	48.7	+0.2	41.6	+3.3	56.5	-0.2
Solomons.....	31.8	-3.6	34.0	-0.9	44.2	+0.1	54.1	+0.1	60.6	-4.6	73.2	0.0	77.0	-1.2	76.5	-0.7	72.2	+0.8	64.2	+3.7	48.7	+0.2	41.6	+3.3	56.5	-0.2
State Sanatorium.....	23.6	-6.2	26.7	-2.6	40.2	+0.3	47.6	-3.5	56.8	-4.9	67.9	-1.0	71.9 <sup>c</sup>	-1.5	70.8	-0.4	65.2	+0.6	59.4	+3.6	40.6	-2.2	33.4	+2.7	50.3	-1.3
Sudlersville.....	27.3	-6.4	31.1	-1.5	43.0	0.0	52.0	-1.2	58.4 <sup>b</sup>	-5.2	70.2	-0.7	73.6	-2.6	73.9	-0.1	67.9	-0.1	60.4	+2.7	45.2	-0.1	38.7	+3.3	53.5	-1.0
Takoma.....	27.3	-4.9	30.6	-0.7	43.9	+1.4	51.6	-1.0	58.9	-4.1	70.0	+0.2	73.0	-2.7	72.6	-0.4	67.4	+0.7	60.0	+3.7	44.5	+0.1	37.6	+3.8	53.1	-0.3
Western Port.....	26.8	-3.7	31.0	-0.5	43.8	+2.1	49.3	-2.1	59.2	-0.3	68.3	-0.8	70.6	-2.7	71.0	-0.8	66.5	+0.4	59.2	+4.4	42.1	-0.5	34.9	+2.5	51.9	-0.8
Woodstock.....	26.8	-5.1	31.3	-0.7	42.8	+1.8	51.2 <sup>b</sup>	-1.0	58.4	-4.4	70.0	-0.8	73.4 <sup>c</sup>	-2.7	73.6	-0.9	66.0	+0.2	58.4	+3.5	43.3	+0.2	36.4	+2.4	52.7	-0.4
Yarrow (Rockville).....	26.8	-6.2	31.2	-0.8	41.8	+0.45	50.0	-2.6	58.4	-4.2	69.6	-0.4	72.2	-2.0	72.8	-0.2	67.0	+0.7	58.6	+1.7	43.1	-1.2	36.9	+2.6	52.4	-1.0
<b>District of Columbia.</b>																										
Washington (U. S. W. B.)..	28.7	-4.1	32.7	-1.8	45.5	+3.4	52.6	-0.5	60.0	-4.3	71.6	-1.1	75.0	-1.9	74.8	+0.3	68.8	+0.7	61.2	+4.6	45.9	+0.9	39.3	+3.2	54.7	0.0
<b>Delaware.</b>																										
Delaware City.....	26.0	-5.4	30.0	-2.6	41.5	-0.1	.....	.....	.....	.....	71.0	-0.9	74.2	-2.6	.....	.....	67.8 <sup>c</sup>	-0.4	61.6	+3.3	45.8	+0.1	39.0	+3.2	.....	.....
Dover.....	28.4	-6.4	31.7	-3.2	43.5	+1.2	53.0	-0.2	59.2	-4.4	71.4	-0.8	74.8	-1.9	75.0	-0.3	68.5	+0.3	61.2	+3.9	46.3	+1.0	39.6	+3.2	54.4	-0.6
Milford.....	30.0	-5.1	32.9	-1.4	45.0	+2.2	53.0	-0.8	59.0	-4.4	71.0	-0.9	74.6	-1.7	74.4	-0.6	68.6	+0.6	60.9	+3.5	47.1	+1.0	40.8	+3.3	54.8	-0.4
Millsboro.....	29.9	-5.1	33.6	-0.7	45.2	+1.5	52.6	-0.0	57.6	-5.5	71.4	+0.6	74.6	-1.6	74.8	-0.2	68.8	+0.3	60.5	+2.6	46.8	+0.5	40.7	+3.6	54.7	-0.3
Seaford.....	30.0	-4.7	33.0	-1.1	44.6	+0.9	52.9	-0.1	58.6	-4.9	71.4	+0.6	74.6	-1.4	74.8	-0.4	69.2	+1.0	61.4	+4.1	47.7	+1.7	40.6	+3.7	54.9	0.0
Wilmington.....	25.2	-7.6	29.6	-2.3	41.8	-0.5	50.0	-2.9	58.2	-5.6	69.8	-1.7	73.1	-3.7	73.4	-1.2	67.8	-0.4	60.2	+2.8	43.9	-1.5	36.9	+2.1	52.5	-1.9
For Maryland and Dis- trict of Columbia.....	27.8	-4.9	31.4	-1.2	43.2	+1.3	50.8	-1.4	58.5	-4.2	70.0	-0.5	72.8	-2.1	73.4	-0.1	67.7	+0.4	60.2	+3.6	44.4	-0.3	37.2	+2.8	53.1	-0.6
For Delaware.....	28.2	-5.9	31.8	-1.9	43.6	+0.8	52.3	-0.3	58.5	-5.0	71.0	-0.5	74.3	-2.2	74.5	-0.2	68.4	+0.2	61.0	+3.4	46.3	+0.5	39.5	+3.2	54.1	-0.7
For entire section.....	27.8	-5.0	31.5	-1.3	43.3	+1.2	51.0	-1.3	58.5	-4.4	70.2	-0.5	73.0	-2.1	73.6	-0.1	67.7	+0.4	60.3	+3.6	44.7	-0.2	37.6	+2.9	53.3	-0.6

For explanation of reference marks see page 98.

## COMPARATIVE DATA FOR MARYLAND AND DELAWARE.

Year.	Temperature.				Precipitation.						Year	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 without inch or more.	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 inch or more.
1895.....	52.8	-0.1	102	-18	34.47	-7.57	42.07	14.42	4.80	29.9	94	1908.....	54.1	+1.4	102	-21	40.01	-2.03	52.50	31.63	7.93	32.5	101
1896.....	54.0	+1.3	103	-13	37.11	-4.93	64.94	30.18	4.50	23.0	92	1909.....	54.0	+1.3	99	-15	37.47	-4.57	50.45	28.30	3.80	30.0	105
1897.....	53.6	+0.9	102	-12	44.97	+2.93	63.85	32.56	14.75	18.4	109	1910.....	53.8	+1.1	99	-15	37.42	-4.62	52.45	26.74	7.19	34.8	106
1898.....	54.6	+2.2	109	-20	42.11	+0.07	65.77	32.59	5.93	21.6	98	1911.....	54.9	+0.9	106	-15	43.61	+1.57	55.58	33.62	7.35	23.2	119
1899.....	53.5	+0.8	102	-26	40.84	-1.20	51.38	28.69	5.35	40.3	109	1912.....	53.3	+0.3	102	-14	43.42	+1.38	52.68	35.50	6.07	32.2	112
1900.....	55.0	+2.3	106	-15	36.66	-5.38	52.19	28.21	5.53	26.8	88	1913.....	56.1	+3.4	102	-16	38.98	-3.06	48.96	25.41	4.05	5.1	98
1901.....	52.6	-0.1	106	-15	45.08	+3.04	70.87	34.63	5.45	18.7	99	1914.....	53.4	+0.7	102	-21	55.97	-6.07	43.82	29.35	3.81	37.2	108
1902.....	53.6	+0.9	104	-17	49.27	+7.16	61.38	33.75	6.00	33.3	105	1915.....	54.1	+1.4	103	-16	43.58	+1.54	59.29	26.82	5.11	23.1	107
1903.....	53.3	+0.6	100	-12	46.94	+4.90	78.72	35.58	6.00	17.9	106	1916.....	53.2	+0.5	101	-11	40.47	-1.57	49.39	23.14	6.00	28.5	112
1904.....	51.8	+1.6	102	-20	36.49	-5.55	50.26	25.72	5.90	41.1	96	1917.....	51.3	-1.4	102	-32	40.65	-1.39	52.22	27.17	4.52	35.7	90
1905.....	54.3	+0.1	102	-20	43.84	+1.80	64.64	31.88	4.65	36.1	106	1918.....	53.8	+1.1	103	-30	37.96	-1.34	46.95	28.88	4.50	31.4	110
1906.....	54.3	+1.9	101	-15	48.01	+5.97	82.92	36.10	8.66	20.7	123	1919.....	54.9	+0.2	103	-19	47.62	+5.58	60.84	30.62	9.02	11.4	98
1907.....	52.2	-0.5	99	-29	48.86	+6.82	66.59	37.55	5.00	34.6	121	1920.....	53.3	-1.6	98	-10	44.95	-2.91	56.29	32.49	4.30	20.0	113