

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

VIRGINIA SECTION.

EDWARD A. EVANS, Meteorologist.

VOL. XXXI. RICHMOND, VA., YEAR 1922. No. 13.

GENERAL SUMMARY.

The weather for the year was characterized by excess of temperature and precipitation. Temperature averaged more than 1° above normal for the State, the greater part of the excess being in the Great Valley where abnormally warm weather was experienced in the spring and fall months. There was no unusually warm weather during the summer months and at only one station was a maximum temperature as high as 100° recorded. A cold spell, with freezing temperatures in the latter part of April, caused a great deal of damage to fruit which had become well advanced by warm weather preceding. A marked feature of the latter part of the year was the mild weather of the last three months which permitted practically all outdoor occupations to progress without interruption.

The principal part of the excess precipitation was due to abnormally heavy rains over Tidewater Virginia, particularly near the coast, in June and July, which was sufficient to offset the deficiency over the western counties, where droughty conditions obtained with only short periods of relief from September to the close of the year.

A heavy fall of snow, equaling any on record over the middle counties, occurred in January, delaying traffic, but without causing material damage, as no sleet accompanied the storm.

Considerable damage to trees and small buildings was caused by wind-storms in August in Albemarle and Augusta Counties.

Excepting the fruit crop, which was cut short by the freezing weather in April, agricultural interests were especially favored by the seasonable weather during the periods of growth and harvest, an abundance of practically all crops of good to excellent quality being the rule, although in the western counties droughty conditions reduced crop averages to some extent.—H. A. F.

ERRATA.

January.—Runnymede: Departure, precipitation from normal should be +2.06; total snowfall should be 24.5. Mean precipitation, Tidewater Virginia, should be 4.26; departure, +0.66. Williamsburg: Precipitation departure from normal should be +0.94.

February.—West Point: Temperature departure should be omitted.

March.—Richmond: Temperature departure should be +2.5.

May.—Richmond: Maximum temperature should be 87 on the 11th.

August.—Marion: Number of rainy days should be 11.

October.—Leeds Manor: Monthly mean temperature should be 59.7. Middle Virginia section average temperature should be 59.4.

November.—Fredericksburg: Temperature departure should be +1.9.

CLIMATOLOGICAL DATA, 1922.

Month.	Temperature.			Precipitation.			Number of days.			
	Mean.	Highest.	Lowest.	Average.	Greatest 24-hour rain.	Average snow-fall.	Rainy.	Clear.	Partly cloudy.	Cloudy.
January.....	33.9	72	-5	4.00	2.47	17.5	9	10	7	14
February.....	40.9	78	-13	4.06	1.90	6.4	12	7	8	13
March.....	47.5	86	16	5.45	2.84	1.1	12	12	5	14
April.....	57.0	93	18	2.22	2.25	T.	8	13	8	9
May.....	65.3	92	32	4.17	3.28	0.0	11	13	8	10
June.....	78.3	100	48	5.11	3.12	0.0	12	11	10	9
July.....	75.3	99	48	6.66	5.78	0.0	12	11	11	9
August.....	71.9	95	37	4.44	11.58	0.0	11	13	10	8
September.....	69.3	98	31	1.23	5.16	0.0	2	17	8	5
October.....	59.4	95	19	3.20	6.55	0.0	3	19	8	6
November.....	47.5	87	5	0.57	0.80	0.1	3	16	8	6
December.....	41.0	77	7	4.04	2.07	1.5	11	9	7	15

COMPARATIVE ANNUAL DATA.

Year.	Mean temperature.	Highest.	Lowest.	Average precipitation.	Average snow-fall.	No. of rainy days.	No. of clear days.	No. of partly cloudy days.	No. of cloudy days.
1892.....	54.8	106	-8	40.01	.....	95	163	101	102
1893.....	55.1	104	-26	46.83	23.1	103	156	100	109
1894.....	57.0	106	-11	35.97	17.0	88	166	104	95
1895.....	54.6	107	-18	38.09	38.8	94	174	103	88
1896.....	56.4	105	-10	42.89	12.3	93	163	106	97
1897.....	56.0	103	-15	40.81	11.8	92	171	99	95
1898.....	56.5	105	-9	44.80	8.7	108	162	101	102
1899.....	56.4	106	-29	43.18	36.7	98	176	95	94
1900.....	57.0	107	-8	39.33	18.6	86	181	91	93
1901.....	55.3	106	-14	50.17	9.5	100	167	94	104
1902.....	55.6	108	0	51.42	14.9	95	170	87	98
1903.....	55.1	105	-13	44.85	8.4	95	172	89	104
1904.....	53.8	100	-14	36.18	24.9	95	170	101	95
1905.....	54.8	98	-15	43.58	18.5	111	155	112	98
1906.....	56.3	102	-2	49.56	15.2	124	148	120	102
1907.....	54.3	97	-16	44.19	17.4	115	159	115	91
1908.....	55.4	102	-20	45.21	30.0	110	162	108	96
1909.....	55.5	102	-5	39.81	12.9	101	171	104	90
1910.....	54.7	102	-9	41.37	20.3	112	151	116	98
1911.....	56.8	104	0	41.50	9.2	115	149	110	106
1912.....	54.5	100	-25	39.19	24.6	103	165	106	95
1913.....	57.2	102	-3	42.75	4.0	100	178	88	89
1914.....	55.0	103	-17	37.17	39.8	101	168	100	97
1915.....	55.8	101	-5	39.12	13.5	97	160	116	89
1916.....	55.5	102	-11	39.36	18.6	103	165	106	95
1917.....	55.3	103	-27	40.82	23.7	114	168	107	100
1918.....	56.3	108	-22	44.43	24.7	105	159	97	109
1919.....	56.8	103	-16	41.66	7.4	102	161	99	105
1920.....	54.8	99	-9	46.80	7.1	106	162	89	115
1921.....	58.4	104	-12	34.94	13.8	97	161	102	102
1922.....	57.1	100	-13	44.72	24.8	110	146	107	113

Climatological Data for the Year 1922.

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.	
Tidewater Virginia.																				
Ashland.....	Hanover.....	221	30																	
Cape Henry.....	Princess Anne.....	20	48	59.8	95	June 11*	16	Feb. 17	20	55.09	11.83	July	0.73	Nov.	13.3	136	110	103	152	sw.
Dahlgren.....	King George.....	21	2				5	Jan. 31	2						18.1					nw.
Diamond Springs II.....	Princess Anne.....	25	13	60.5	95	July 2	14	Feb. 17	13	61.87	11.58	Aug.	0.65	Sept.	6.0	95				sw.
Franklin.....	Southampton.....	21	4		94	June 12	9	Feb. 17	4											
Hopewell.....	Prince George.....	40	6	61.0	98	July 12	3	Feb. 17	6	47.46	7.26	Mar.	0.55	Sept.	22.5	124	35	185	145	sw.
Langley Field II.....	Elizabeth City.....	5	3		93	July 2	13	Feb. 17	3											
Mount Moriah Farm.....	King George.....	100	4	57.4	95	July 1	10	Feb. 17	4	43.41	7.04	July	0.48	Nov.	21.2	108	147	73	145	ne.
Newport News.....	Warwick.....	13	19	58.9	93	July 2	8	Feb. 17	19	61.86	16.25	July	0.31	Sept.	20.0	145	156	92	117	ne.
Norfolk.....	Norfolk.....	91	52	60.7	92	July 2	13	Feb. 17	52	54.98	11.92	July	0.44	Nov.	13.7	130	104	116	145	ne.
Onley.....	Accomac.....	40	4		96	July 29	10	Feb. 16	4	55.27	9.37	July	0.70	Nov.	17.4	97				s.
Richmond.....	Henrico.....	144	43	68.3	94	July 2	8	Feb. 17	43	51.70	8.48	July	0.66	Sept.	27.7	136	129	106	130	s.
Runnymede (near) II.....	Surry.....	25	33	59.4	93	July 2	10	Feb. 17	33	58.09	10.10	July	0.16	Nov.	33.5	115				nw.
Warsaw (near).....	Richmond.....	160	29		91	July 1	3	Feb. 17	29		9.28	June	0.48	Nov.	27.0					s.
West Point.....	King William.....	16	15				6	Feb. 17	15				0.24	Sept.						sw.
Williamsburg.....	James City.....	70	29	59.5	95	July 2	6	Feb. 17	29	54.90	10.27	July	0.25	Sept.	18.2					ne.
Means and extremes.....				59.5	98	July 12	3	Feb. 17		54.46	16.25	July	0.15	Nov.	19.9	120	114	112	139	ne.
Middle Virginia.																				
Arcoia.....	Loudoun.....	300	6	56.0	96	July 1*	4	Jan. 31	6	33.66	4.40	June	0.40	Nov.	37.5	102	164	120	81	sw.
Callaville.....	Brunswick.....	350	28		94	July 13	1	Feb. 17	28	58.58	10.81	July	0.20	Sept.	25.5	80	209	83	73	w.
Charlottesville (near).....	Albemarle.....	854	31	57.6	95	July 1	8	Feb. 17	31	42.21	5.97	Mar.	0.21	Nov.	39.1	110	117	71	177	s.
Clarksville.....	Mecklenburg.....	286	25	57.5	92	July 2	6	Feb. 17	25	52.43	8.24	May	T.	Sept.	25.0	74				w.
Chatham.....	Pittsylvania.....																			
Columbia.....	Fluvanna.....	246	24	56.9	92	June 25*	3	Jan. 31	24	47.16	10.20	July	0.50	Nov.	26.2	88	201	31	133	ne.
Culpeper.....	Culpeper.....	450	15	55.8	94	July 12	2	Jan. 13	15	38.06	6.08	June	0.20	Nov.	30.3					s.
Danville.....	Pittsylvania.....	413	22	61.3	98	Sept. 7*	13	Feb. 17	22	47.35	8.44	July	0.32	Nov.	23.5	119	155	115	95	s.
Fredericksburg (near).....	Spottsylvania.....	100	32	57.0	92	July 12	2	Feb. 17	32	45.56	7.01	July	0.43	Nov.	41.0	100	165	108	92	s.
Guinea Mills.....	Buckingham.....		1						1	45.17	6.56	Mar.	0.36	Nov.	36.3	135	170	89	107	s.
Hawfield II.....	Orange.....	400	5				5													se.
Lawrenceville.....	Brunswick.....		3						3	38.39	6.15	Mar.	0.15	Sept.	26.5	96				sw.
Leeds Manor II.....	Fauquier.....	600	8		95	July 12	4	Feb. 17	8											s.
Lincoln II.....	Loudoun.....	501	21	56.0	96	July 2	0	Feb. 17	21	36.89	5.51	May	0.56	Nov.	38.0	79	161	106	98	sw.
Lynchburg.....	Campbell.....	681	51	58.1	96	Sept. 8	8	Jan. 25	51	36.64	7.60	Mar.	0.19	Nov.	27.8	136	129	118	118	w.
Manassas.....	Prince William.....	317	8						8	39.06	5.49	Jan.	0.67	Nov.	38.7	87	213	57	95	ne.
Mayhurst II.....	Orange.....	500	7	57.8	96	July 2	7	Feb. 17	7	37.25	5.46	Aug.	0.07	Nov.		97	188	80	97	s.
Mineral (near).....	Louisa.....	300	7	55.3	94	July 11	3	Jan. 31	7	42.81	6.02	July	0.32	Nov.						s.
Mount Weather II.....	Loudoun.....	1,726	18		87	July 12	2	Feb. 17	18		7.92	July	0.25	Nov.	38.0					w.
New Canton.....	Buckingham.....	300	28	57.3	94	June 25	2	Feb. 17	28	44.91	7.86	July	0.34	Nov.	36.5	124	118	144	102	sw.
Quantico.....	Prince William.....	17	22		95	July 2			22											s.
Randolph.....	Charlotte.....	334	17						17	50.51	8.72	July	0.00	Sept.		100				s.
Rocky Mount.....	Franklin.....	1,150	27	56.6	90	July 1	7	Jan. 31	27	49.24	6.32	June	0.42	Nov.	21.0	99				nw.
Washington.....	Dist. Columbia.....	112	52	56.4	95	July 12	9	Feb. 17	52	46.96	9.59	July	0.55	Nov.	40.7	122	106	121	138	n.
Means and extremes.....				57.1	98	Sept. 7	4	Jan. 31		43.89	10.81	July	0.00	Sept.	32.4	103	161	96	108	s.
The Great Valley.																				
Blacksburg.....	Montgomery.....	2,170	31	53.7	89	June 25*	9	Jan. 2	31	42.99	5.83	July	0.65	Nov.	20.0	133	123	108	134	w.
Buchanan.....	Botetourt.....	820	21	57.6	95	June 25*	3	Jan. 31	21	46.82	6.31	Mar.	0.74	Nov.	26.0	93				w.
Burkes Garden.....	Tazewell.....	3,250	27		82	July 11*			27		6.31	July	0.59	Sept.						w.
Catawba Sanatorium.....	Roanoke.....	2,100	12	56.2	91	June 25*	6	Jan. 26	12		6.03	Mar.	0.18	Nov.	28.3					s.
Dale Enterprise.....	Rockingham.....	1,350	43	55.0	96	July 12	13	Feb. 17	43	35.42	5.51	July	0.31	Sept.	32.0	117	137	131	97	s.
Dante.....	Russell.....	2,000	5	55.6	92	July 11*	5	Jan. 14	5	48.57	6.62	June	0.99	Nov.	6.1	122	138	84	143	ne.
Hot Springs.....	Bath.....	2,195	30	52.5	86	June 17*	3	Jan. 13	30	40.68	5.49	July	0.46	Nov.	31.5	124	128	174	63	ne.
Ivanhoe.....	Wythe.....	2,028	16						16	38.67	5.19	June	0.78	Nov.	14.6	117				ne.
Lexington.....	Rockbridge.....	1,060	45	55.4	94	Sept. 7	5	Jan. 31	45	38.96	6.10	Mar.	0.35	Nov.	25.5	122				ne.
Marion.....	Smyth.....	2,145	0																	ne.
Mendota.....	Washington.....	1,350	17						17	53.73	8.28	Dec.	1.34	Sept.	2.8	128				ne.
Narrows.....	Giles.....	1,519	8						8	41.25	6.75	July	0.48	Oct.	17.5	73				ne.
Pulaski.....	Pulaski.....	1,919	3	54.7	89	June 26*	6	Jan. 26	3	45.64	10.08	July	0.46	Nov.	18.0	123	160	118	87	w.
Radford.....	Montgomery.....	1,773	27						27	40.17	7.04	July	0.56	Nov.	21.0	102				ne.
Roanoke.....	Roanoke.....	907	18	58.4	92	June 17*	10	Jan. 26	18	36.01	4.57	Mar.	0.23	Nov.		114	181	124	60	se.
Speers Ferry.....	Scott.....	1,221	26						26	37.48	5.30	Dec.	0.80	Oct.	8.0	105				w.
Staunton.....	Augusta.....	1,380	32	56.4	96	June 25	8	Feb. 17	32	35.06	6.04	July	0.19	Nov.	30.5	119	144	122	99	sw.
Winchester.....	Frederick.....	717	18	54.7	95	June 24*	2	Jan. 13	18	27.86	4.74	June	0.25	Nov.	21.7	99				nw.
Wise.....	Wise.....	2,474	2		92	July 11	0	Jan. 14	2											ne.
Woodstock.....	Shenandoah.....	927	31	55.6	100	June 25	5	Jan. 13	31	27.76	4.09	July	0.42	Nov.	27.0	85				w.
Wytheville.....	Wythe.....	2,304	28	53.8	87	Sept. 7	10	Jan. 26	28	41.51	7.00	June	0.74	Sept.	20.6	135	128	110	127	w.
Means and extremes.....				55.4	100	June 25	13	Feb. 17		39.92	10.08	July	0.18	Nov.	20.7	113	142	127	101	w.
State means and extremes.....				57.1	100	June 25	13	Feb. 17		44.72	16.25	July	0.00	Sept.	24.8	110	145	107	113	w.

Estimated and incomplete data not considered in means.

All other records are used in determining section and division means, but the mean departures from normal temperature and precipitation are based only on records from stations that have ten or more years of observation.

Reference letters, a, b, c, appearing in the tables indicate number of days missing; for example, b represents two days, etc.

*Also on other dates.

†Post-office addresses of these stations are as follows: Diamond Springs, Norfolk; Runnymede, Elberon; Dry Bridge, Midlothian; Hawfield, Rapidan; Leeds Manor, Markham; Lincoln, Purcellville; Mayhurst, Orange; Mount Weather, Bluemont; Langley Field, Norfolk.

T. Precipitation is less than 0.01 inch rain or snow.

Monthly and Annual Precipitation for the Year 1922, with Departures from the Normal.

	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.		Annual.	
Stations.	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.
Tidewater Virginia.																										
Ashland	4.24	+0.89	4.62	+0.85	6.29	+1.97	1.84	-1.76	4.21	+0.13	4.23	+0.06	6.31	+1.57	6.22	+1.64	1.63	-1.55	3.41	+0.16	0.47	-1.85	3.97	+1.14	.....	.....
Cape Henry	3.77	.....	3.54	.....	5.98	.....	1.67	-2.25	1.83	-2.20	8.74	+4.32	11.83	+5.98	6.06	-0.04	2.30	-1.69	2.75	-1.13	0.73	-2.01	3.94	+0.51	55.09	+ 6.20
Dahlgren	5.35	+1.81	5.58	+2.49	6.98	+2.51	1.26	-1.85	2.80	-0.89	8.81	+3.68	11.05	+5.33	11.58	+7.72	0.65	-2.43	4.03	+1.53	0.70	-1.38	4.05	+0.48	61.87	+19.00
Diamond Springs	6.04	.....	5.19	.....	6.62	.....	2.40	.....	3.65	.....	9.08	.....	13.05	.....	4.89	.....	.....	.....	3.27	.....	.....	.....	3.89	.....	.....	.....
Franklin	3.62	.....	4.79	.....	7.26	.....	2.39	.....	2.16	.....	6.13	.....	8.86	.....	6.86	.....	0.55	.....	3.36	.....	0.63	.....	2.85	.....	47.46	.....
Hopewell	.....	.....	5.70	+1.94	5.88	+1.94	1.83	-1.49	2.73	-0.83	9.55	+5.62	9.73	+4.80	4.87	-0.12	0.36	-2.57	2.35	-0.74	0.91	-1.81	.....	.....	.....	.....
Langley Field	4.44	.....	2.11	.....	4.86	.....	1.56	.....	3.17	.....	4.57	.....	7.04	.....	6.50	.....	1.55	.....	2.92	.....	0.43	.....	4.26	.....	43.41	.....
Mount Moriah Farm	4.48	+1.17	5.98	+2.50	6.22	+2.34	2.78	-0.41	2.62	-0.84	7.95	+2.92	16.25	+9.94	6.08	+0.42	0.31	-2.47	4.28	+1.69	0.88	-1.29	4.03	+0.27	61.86	+16.24
Newport News	3.49	+0.12	4.85	+1.10	4.95	+0.67	1.88	-1.91	3.42	-0.65	9.78	+5.45	11.92	+6.12	8.04	+2.07	0.53	-3.53	2.76	-1.16	0.44	-2.28	2.93	+0.56	54.98	+ 5.44
Norfolk	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Onley	4.15	.....	5.70	.....	6.15	.....	2.65	.....	2.33	.....	5.48	.....	9.37	.....	7.90	.....	2.50	.....	2.70	.....	0.70	.....	5.64	.....	55.27	.....
Richmond	4.58	+1.56	3.81	+0.71	7.01	+3.29	2.01	-1.44	3.27	-0.58	6.42	+2.90	8.48	+4.06	7.78	+3.37	0.66	-2.77	3.67	+0.36	0.86	-1.53	3.14	+0.14	51.70	+10.07
Runnymede (near)	5.26	+2.06	6.70	+2.74	6.98	+2.43	3.18	-0.69	3.53	-0.52	6.92	+1.95	10.10	+4.03	5.26	+0.18	0.28	-3.16	6.31	+2.66	0.15	-2.55	3.42	+0.08	58.09	+ 9.21
Warsaw (near)	3.05	-0.05	4.80	+1.38	5.90	+2.30	1.82	-1.41	2.60	-0.90	9.28	+5.07	7.46	+2.97	5.00	+0.80	2.30	-0.27	.....	.....	0.48	-2.05	4.79	+2.07	.....	.....
West Point	3.86	+0.70	2.69	-0.33	7.16	+3.30	2.36	-1.04	.....	.....	10.08	+6.24	.....	.....	5.49	+1.51	0.24	-3.21	3.70	+0.58	1.62	-0.57	.....	.....	.....	.....
Williamsburg	4.25	+0.94	5.82	+2.60	6.05	+2.03	3.10	-0.62	3.19	-0.32	9.11	+4.39	10.27	+4.13	4.32	-2.10	0.25	-3.20	3.84	+0.74	0.80	-1.37	3.90	+1.59	64.90	+ 8.61
Means	4.33	+1.02	4.79	+1.60	6.22	+2.28	2.18	-1.35	2.97	-0.76	7.50	+3.87	9.98	+4.89	6.48	+1.40	1.05	-2.44	3.53	+0.47	0.68	-1.70	3.91	+0.64	54.46	+10.54
Middle Virginia.																										
Arco	4.02	.....	2.49	.....	3.69	.....	1.27	.....	3.80	.....	4.40	.....	2.39	.....	2.94	.....	3.88	.....	1.70	.....	0.40	.....	3.18	.....	33.66	.....
Callaville	4.50	+1.20	5.91	+2.31	6.86	+1.94	2.67	-0.88	5.31	+1.47	4.69	+0.44	10.81	+4.85	8.81	+3.79	0.20	-3.14	6.55	+3.79	0.58	-1.58	2.89	-0.97	58.58	+13.24
Charlottesville	4.64	+1.33	4.19	+1.19	5.97	+2.46	1.73	-1.70	3.44	-0.97	4.73	-0.93	9.94	-0.91	4.87	-0.14	1.00	-2.90	3.46	+0.03	0.21	-2.34	4.03	+0.76	42.21	- 4.12
Chatham	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Clarksville	5.82	+2.34	4.84	+1.54	6.44	+2.68	2.97	-0.30	8.24	+4.21	4.07	-0.41	6.03	+1.59	6.15	+1.34	1.18	-2.87	4.56	+1.89	0.40	-2.16	2.91	-0.62	52.43	+ 9.43
Columbia	4.47	+1.03	2.80	+0.76	6.36	+2.93	1.77	-1.84	2.22	-1.44	3.36	-1.29	10.20	+5.85	5.96	+1.52	1.36	-1.80	2.73	-0.38	0.50	-1.78	4.43	+1.03	47.16	+ 4.41
Culpeper	3.99	+0.77	4.04	+1.57	4.73	+2.03	1.29	-2.05	3.81	-0.06	6.08	+0.68	2.47	-1.48	5.04	+1.08	0.76	-2.35	2.23	-0.41	0.20	-2.30	3.42	+0.20	38.06	- 2.06
Danville	5.25	+2.13	4.52	+1.31	6.37	+2.94	2.24	-0.98	3.71	-0.21	3.23	-1.17	8.44	+4.28	2.52	-2.41	1.25	-1.70	5.27	+2.36	0.32	-1.92	4.23	+0.86	47.35	+ 5.49
Fredericksburg	5.08	+1.85	3.73	+0.74	5.84	+2.28	2.66	-0.91	4.67	+0.74	4.64	-0.14	7.01	+2.71	4.93	+0.09	1.29	-1.86	3.24	+0.16	0.43	-1.88	3.04	-0.23	46.56	+ 3.55
Guinea Mills	6.20	.....	4.28	.....	6.56	.....	2.63	.....	5.53	.....	1.53	.....	4.72	.....	4.29	.....	1.41	.....	3.89	.....	0.38	.....	4.27	.....	45.17	.....
Hawfield	4.45	+0.95	3.10	-0.06	5.86	+2.34	1.58	-1.91	7.26	+2.68	5.30	+0.69	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lawrenceville	5.87	.....	4.45	.....	6.15	.....	3.65	.....	4.02	.....	1.01	.....	3.98	.....	2.85	.....	0.15	.....	4.56	.....	0.28	.....	2.47	.....	38.39	.....
Leeds Manor	3.03	.....	2.84	.....	3.90	.....	2.10	.....	7.09	.....	4.06	.....	.....	.....	2.10	.....	1.68	.....	2.65	.....	0.55	.....	3.01	.....	.....	.....
Lincoln	3.17	+0.14	3.07	+0.64	3.83	+0.83	1.38	-2.07	5.51	+2.32	4.31	-1.15	3.69	+0.13	2.72	-1.80	1.55	-1.21	2.37	-0.56	0.56	-1.52	3.73	+1.87	36.89	- 2.98
Lynchburg	3.90	-0.18	3.32	-0.17	7.50	+3.69	1.53	-1.64	4.37	+0.38	8.37	-0.52	2.25	-1.78	1.18	-3.07	1.42	-2.21	4.19	+0.81	0.19	-2.60	3.42	+0.15	36.64	- 6.78
Manassas	5.49	.....	3.45	.....	4.16	.....	0.82	.....	4.85	.....	4.56	.....	2.20	.....	3.30	.....	3.52	.....	2.23	.....	0.67	.....	3.81	.....	39.06	.....
Mayhurst	4.23	+0.97	3.79	+0.83	4.98	+1.81	1.89	-1.36	3.03	-1.39	4.28	-1.25	3.45	-1.35	5.45	+0.46	0.50	-2.69	1.71	-1.67	0.07	-2.15	3.88	+0.31	37.26	- 7.98
Mineral (near)	4.29	.....	3.45	.....	5.76	.....	1.98	.....	3.69	.....	4.84	.....	6.02	.....	5.40	.....	0.35	.....	2.76	.....	0.32	.....	3.95	.....	42.81	.....
Mount Weather	3.19	+0.09	2.34	+0.24	3.14	+0.54	1.79	-1.66	4.95	+1.50	5.74	+0.28	7.92	+4.11	4.77	-0.41	.....	.....	2.97	-0.63	0.25	-1.83	2.94	+0.03	.....	.....
New Canton	5.39	+1.98	3.89	+0.81	6.66	+2.67	2.00	-1.24	3.38	-0.11	7.33	-1.27	7.36	+3.55	5.38	+0.53	0.78	-2.60	2.50	-0.61	0.34	-1.96	4.50	+1.40	44.91	+ 3.10
Quantico	.....	.....	.....	.....	3.64	+0.41	1.52	-1.66	2.64	-0.81	3.54	-0.99	5.46	+1.35	3.49	-1.18	2.00	-1.10	2.12	-0.88	0.88	-1.53	3.39	+0.39	.....	.....
Randolph	6.04	+2.72	4.10	+1.09	5.48	+1.90	2.10	-0.80	6.79	+2.96	3.63	-0.49	8.72	+4.04	0.48	+2.55	0.00	-2.59	3.68	+0.85	0.29	-1.53	3.20	-0.09	50.51	+10.21
Rocky Mount	3.96	+0.81	3.52	+0.07	6.19	+2.17	1.85	-1.61	5.89	+1.97	6.32	+1.51	6.05	+1.13	5.81	+1.37	1.35	-1.97	4.78	+1.06	0.42	-2.15	3.10	-0.53	49.24	+ 3.93
Washington, D. C.	5.56	+2.19	2.86	-0.56	4.74	+0.89	1.05	-2.30	4.27	+0.44	4.10	-0.08	9.59	+4.94	3.08	-1.32	6.27	+2.68	1.41	-1.68	0.55	-2.16	3.48	+0.32	46.96	+ 3.46
Means	4.66	+1.30	3.73	+0.77	5.40	+2.00	1.89	-1.46	4.72	+0.81	4.11	-0.35	5.76	+2.06	4.38	+0.20	1.43	-1.89	3.23	+0.26	0.37	-1.99	3.54	-0.30	43.89	+ 2.99
The Great Valley.																										
Blacksburg	2.71	-0.51	4.12	+0.95	5.51	+1.79	1.61	-1.57	5.46	+1.63	3.55	-1.06	5.83	+0.53	2.84	-1.15	2.80	-0.34	2.89	-0.09	0.65	-1.60	5.02	+2.01	42.99	+ 0.59
Buchanan	4.99	+1.45	4.60	+1.88	5.91	+2.88	2.98	+0.03	3.76	-0.19	5.40	+1.12	5.64	+0.67	3.37	-0.70	1.65	-1.79	3.32	-0.32	0.74	-1.28	4.46	+1.15	46.82	+ 5.24
Burkes Garden	.....	.....	4.58	+1.08	5.37	+0.27	3.58	-0.29	4.75	+0.41	5.42	+0.26	6.31	+0.32	3.12	-1.39	1.78	-2.93	4.05	+0.88	1.51	-1.30	5.81	+2.22	.....	.....
Catawba Sanatorium	3.37	+0.06	3.54	+0.67	6.03	+2.00	1.97	-1.25	6.01	+2.61	4.98	+0.28	5.21	+0.32	2.45	-1.94	1.78	-1.47	2.65	-0.91	0.18	-2.18	.....	.....	.....	.....

Monthly and Annual Mean Temperatures for the Year 1922, with Departures from the Normal.

	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.		Annual.	
Stations.	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.
Tidewater Virginia.																										
Ashland.....							58.1 ^a	+2.3	67.0	+1.4	75.0	+2.7	77.2	+0.5	73.7 ^b	-1.6	68.5 ^c	-0.6	60.0	+1.9	47.8	+0.7	41.3	+3.4	59.8	+1.2
Cape Henry.....	38.8	-1.4	43.2	+2.0	50.0	+3.4	58.6	+4.0	65.8	+1.6	74.4	+1.5	77.4	-0.1	74.7	-2.2	72.4	+0.6	64.0	+1.9	51.6	-0.5	46.3	+2.6	69.8	+1.2
Dahlgren.....	32.3		38.1		46.3		56.6		65.2		74.2				73.2		69.3		59.2		47.0		37.2			
Diamond Springs.....	39.9	-2.2	44.8	+2.7	52.2	+3.5	60.2	+2.7	67.2	+1.1	75.6	+2.3	77.2	-0.1	74.2	-2.7	71.8	-0.5	64.0	+0.7	51.6	+0.7	47.4	+5.4	60.5	+1.1
Franklin.....	37.8		44.6 ^a		51.7		60.8 ^a		67.6 ^a		75.1		77.4		73.5 ^a		60.9 ^a		50.2 ^a		47.2 ^a					
Hopewell.....	36.5		45.9		52.2		61.8		69.8		77.8 ^a		79.0		76.6		73.4		63.4		50.4		44.7		61.0	
Langley Field.....	37.6	-2.9	43.6	+3.4	50.6	+2.7	60.0	+4.1	67.8	+1.8	75.6	+1.0	78.1	-0.9	75.6	-2.1	72.6	+0.6	64.4	+3.8	50.2	+0.2	42.3		58.3	-0.2
Mt. Moriah Farm.....	33.8		39.8		47.2		58.0		65.9		75.0		77.0		74.0		70.8		61.1		46.9		39.2		57.4	
Newport News.....	36.9	-4.2	41.8	+2.0	48.8	+0.9	58.4	+1.5	66.3	-1.2	75.0	+1.6	76.8	-1.2	74.2	-3.0	71.1	-0.7	62.7	+0.6	50.2	0.0	44.5	+3.0	58.9	-0.1
Norfolk.....	39.2	-1.2	44.8	+3.0	51.2	+3.5	59.7	+3.7	67.9	+1.7	75.9	+1.5	78.0	-0.4	75.0	-1.7	73.6	+1.9	64.3	+3.0	51.8	+0.6	46.6	+3.6	60.7	+1.6
Onley.....	35.0		38.3		46.2		55.8		62.5		70.0		77.6		73.8		69.0		60.9		49.4 ^a		42.3	+1.3	58.3	-0.2
Richmond.....	35.0	-3.0	41.9	+2.0	49.4	+2.5	58.6	+1.4	67.2	-0.1	75.0	-0.1	76.6	-2.6	73.3	-4.2	70.6	-0.2	60.8	+1.0	49.0	+0.2	42.3	+1.3	58.3	-0.2
Runnymede (near).....	37.4	-2.1	44.2	+5.2	51.0	+3.0	60.4	+4.2	66.7	+0.5	75.0	+1.9	77.4	+0.2	73.1	-2.7	70.4	+0.9	62.2	+3.8	49.8	+1.0	45.1	+4.9	59.4	+1.7
Warsaw (near).....	33.6	-3.1	40.3	+3.3	47.8	+2.1	55.6	+0.9	64.4	-1.1	72.8	+0.3	73.8	-2.6	71.4	-4.1	68.6	-0.7			47.1	+0.1	41.4	+3.8		
West Point.....	35.1		41.8		49.0		59.7		67.6		75.6				75.8		71.9		60.4		43.7					
Williamsburg.....	36.4	-3.8	44.6	+2.2	50.6	+2.2	60.6	+3.8	67.4	+2.3	75.8	+3.5	77.2 ^b	+0.4	74.4	-1.2	71.2	+1.7	62.8	+2.7	50.0	+1.7	43.2 ^b	+2.7	59.5	+1.7
Means.....	36.4	-2.7	42.5	+3.1	49.6	+2.6	58.9	+2.9	66.6	+0.8	74.9	+1.6	77.2	-0.7	74.2	-2.6	71.0	+0.3	62.1	+2.0	49.2	+0.5	43.6	+3.4	59.5	+1.0
Middle Virginia.																										
Arcola.....	30.2		37.4		44.6		54.9		65.4		74.2		78.2		76.5		68.8		58.1		46.4		36.8		56.0	
Callaville.....	36.9	-2.1	43.4 ^a	+5.1	49.8	+1.3	59.0	+2.6	66.9	+0.9	74.4	+1.5	77.2	+0.8	75.4 ^a	-0.6	71.6	+3.1	61.4	+0.5	47.4 ^a	+1.2	42.8	+2.8	57.6	+1.2
Charlottesville (near).....	32.8	-3.3	39.5	+2.8	47.8	+1.7	57.2	+1.2	67.1	+1.0	74.2	+1.9	76.2	+0.1	72.7	-2.0	70.4	+0.9	62.2	+3.8	49.8	+1.0	45.1	+4.9	59.4	+1.7
Clarksville.....	35.7		42.8		49.2		58.0		65.5		74.2				72.6		69.1		58.5		46.5		41.7		57.5	
Columbia.....	33.6	-3.1	41.3	+4.8	46.8 ^a	+0.3	57.4	+2.5	65.8	0.0	74.2	+2.9	75.3	0.0	72.1	-2.3	68.8	+1.0	58.8	+1.0	47.4	+1.3	41.5	+4.6	56.9	+1.1
Culpeper.....	30.2	-3.8	39.4 ^a	+4.5	45.9 ^a	+1.8	56.2	+1.7	65.9	+1.0	73.6 ^a	+2.4	75.5	+0.5	71.3	-2.2	68.9	+2.3	58.4 ^a	+2.0	46.2	+2.2	38.0	+3.3	55.8	+1.3
Danville.....	37.6		45.8		51.0		61.9		70.3 ^a		78.8		81.3 ^a		76.4		73.8		63.2		53.8		44.7		61.8	
Fredericksburg (near).....	33.3	-3.0	40.2	+4.5	47.9	+1.7	57.3	+2.3	65.6	+0.4	73.6	+1.5	75.5	-1.0	72.0	-3.1	69.5	+0.7	60.4	+2.4	48.6	+1.9	40.3	+3.5	57.0	+1.0
Leeds Manor.....	30.0		37.1		43.7		53.2		64.1		74.2				70.6		69.4		59.7		47.4		37.0 ^a			
Lincoln.....	30.2	-1.6	37.9	+6.1	44.8	+1.6	54.6	+1.4	66.5	+2.5	75.1	+4.5	76.1	+0.2	72.4	-1.3	70.7	+3.1	60.0	+3.2	47.2	+2.9	36.6	+3.7	56.0	+2.2
Lynchburg.....	35.1	-0.7	42.0	+3.8	48.8	+3.4	57.8	+0.5	67.2	-0.1	74.8	+0.2	76.4	-1.1	72.8	-2.8	70.9	+1.9	60.6	+2.1	48.4	+1.2	42.8	+2.8	58.1	+0.9
Mayhurst.....	33.4	-2.5	40.4	+5.1	47.4	+1.2	57.8 ^a	+2.6	67.2	+1.8	74.8	+3.1	76.2	+0.1	73.7	-1.2	72.4	+3.8	60.4	+1.4	48.3	+3.1	41.2	+4.9	57.8	+2.0
Mineral (near).....	32.0		39.8		46.2 ^a		55.3		64.2		71.6		74.2 ^a		70.4		67.4 ^a		56.8 ^a		46.2 ^a		39.2 ^a		55.3	
Mount Weather.....	26.8	-3.5	34.8	+6.3	40.2	+1.5	50.6	+1.7	63.0	+3.8	68.6	+2.3	70.6	-0.1	67.0	-2.5			58.9	+3.0	44.6	+3.0	34.7	+3.4		
New Canton.....	35.0	-1.7	42.4	+5.8	49.0	+2.3	57.6	+2.3	65.2	-0.2	73.8	+1.7	75.4	-0.9	71.4	-3.5	69.0	+0.3	58.9	+1.4	47.6	+1.2	42.4	+5.3	57.3	+1.2
Quantico.....					45.3 ^a	+0.3	55.4	+1.3	64.8	+2.7	75.5	+4.3	77.6	+0.5	73.0	-1.3	69.2	+1.1	60.2	+3.0	47.6	+2.7	38.9	+3.5		
Rocky Mount.....	35.2 ^d	-2.9	42.5	+4.8	47.6	+0.4	57.0	+0.9	66.4	+2.0	72.0 ^a	0.0	74.6	-0.2	71.0	-3.4	68.4	-0.2	57.5	-0.2	47.0	-0.8	42.3	+3.7	56.6	0.0
Washington, D. C.....	32.0	-0.9	38.6	+4.1	42.2	+3.0	55.6	+2.5	66.8	+2.6	74.5	+1.8	76.6	-0.2	73.1	-1.4	69.9	+1.8	59.4	+2.8	47.9	+2.9	37.6	+1.5	56.4	+1.7
Means.....	32.9	-2.4	40.3	+4.8	46.7	+1.6	56.5	+1.8	66.0	+1.2	74.0	+2.2	75.9	-0.2	72.5	-2.1	69.9	+1.7	59.4	+2.0	47.5	+1.7	39.9	+3.6	57.1	+1.3
The Great Valley.																										
Blacksburg.....	32.1	-0.8	39.4	+6.7	45.4	+2.7	54.9	+4.5	61.0	+0.7	69.6	+2.0	71.8	+1.1	67.9	-1.9	65.0	+1.0	55.0	+1.7	43.8	+1.6	39.0	+5.0	53.7	+2.0
Buchanan.....	35.2		41.8		49.0		58.1		66.5		73.8		76.0		72.2		70.4		59.6		47.2		41.6		57.6	
Burkes Garden.....			36.8	+6.1	42.4	+1.7	51.0	+3.9	57.0	-0.4	63.7	0.0	65.8	+1.8	62.0	-4.0	60.0	+0.1	49.0	-0.8	39.1	-0.9	37.0	+5.5		
Catawba Sanatorium.....	34.3		41.6		47.0		56.0		63.2		70.7		73.1		69.5		69.2		59.2		48.2		42.3 ^a		56.2	
Dale Enterprise.....	30.5	-2.5	38.9	+5.1	45.5	+3.0	55.1	+2.8	63.6	+0.9	71.6	+1.4	73.7	+0.1	69.9	-2.2	68.6	+2.4	57.7	+2.3	45.9	+2.3	38.8	+4.2	55.0	+1.7
Dante.....	35.2		42.0		48.0		56.8		63.4		70.5		72.0		69.4		68.0		56.8		44.9		40.8		55.6	
Hot Springs.....	29.8	-1.6	38.2	+7.3	44.0	+2.0	53.6	+4.0	61.4	+1.5	68.2	+1.6	70.3	+1.2	66.0	-2.3	63.9	+1.8	54.8	+2.3	42.2	+0.9	37.9	+4.7	52.5	+1.9
Lexington.....	31.8	-2.2	39.0	+4.1	46.0	+2.2	55.8	+2.7	64.4	+1.4	72.0	+1.4	74.4	+1.0	71.3	-1.8	68.0	+1.7	57.4	+2.0	45.2	-0.5	38.4	+3.3	55.4	+1.3
Marion.....							54.8		62.0		69.8 ^a				67.9		67.6		56.8		44.5		41.2			
Pulaski.....	34.0		41.0		46.2		54.9		62.0		69.5		72.5		67.8		65.6		56.3		45.6		41.2		54.7	
Roanoke.....	36.8 ^a	-0.1	43.4	+6.9	49.8	+2.7	59.3	+3.4	66.4	+1.0	74.0	+3.2	75.8	+0.6	72.2	-2.2	70.0	+3.3	59.9	+2.6	49.8	+3.9	42.8	+5.7	58.4	+2.6
Staunton.....	32.9	-2.5	40.8	+5.9	47.3	+2.8	56.2	+2.8	65.3	+1.7	73.0	+2.5	74.5	+0.2	70.2	-2.9	68.6	+1.4	59.0	+2.7	47.8	+2.4	41.7	+5.0	56.4	+1.8
Winchester.....	28.0	-5.0	36.6	+3.0	44.5	+2.6	54.4	+1.5	64.4	+0.6	73.8	+1.8	75.4	-0.6	71.2	-3.1	67.4	+0.5	57.8	+1.6	47.9 ^a	+3.2	44.6 ^a	-0.9	54.7	+0.5
Wise.....	32.6		41.0		47.2						72.1 ^a				68.6		66.0		55.4		44.3		45.2			
Woodstock.....	30.1	-3.1	39.0	+6.6	46.4	+2.7	56.5	+4.1	65.7 ^a	+2.0	73.6	+3.9	74.6	0.0	69.9	-4.1	67.7	+0.67.								