

Summary of Monthly Normals
1991-2020

Current Location: Elev: 329 ft. Lat: 36.6953° N Lon: 78.8808° W
Station: **S BOSTON, VA US USC00447925**
Generated on 05/20/2024

Temperature (°F)																						
Mean							Cooling Degree Days						Heating Degree Days				Mean Number of Days					
							Base (above)						Base (above)									
Month	Daily Max	Daily Min	Mean	Long Term Max Std Dev	Long Term Min Std Dev	Long Term Avg Std Dev	55	57	60	65	70	72	55	57	60	65	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
01	50.7	26.5	38.6	3.4	3.6	3.3	5.1	3.1	1.2	0.2	0.0	0.0	513.4	573.3	664.4	818.4	0.0	0.0	15.3	2.3	24.3	0.3
02	54.0	28.2	41.1	4.3	3.2	3.6	8.4	5.3	2.3	0.3	0.0	0.0	397.5	450.4	531.4	669.5	0.0	0.0	16.7	0.9	21.7	0.0
03	61.9	34.2	48.1	4.6	3.4	3.8	41.3	28.5	15.2	3.8	0.5	0.2	256.7	305.9	385.6	529.2	0.0	0.0	25.6	0.0	16.2	0.0
04	71.8	43.3	57.5	2.8	2.4	2.3	147.8	115.0	74.9	29.1	6.9	3.0	71.3	98.5	148.4	252.6	0.0	0.3	29.4	0.0	3.6	0.0
05	78.7	53.4	66.0	3.1	3.6	3.1	348.8	293.3	217.2	113.0	42.4	24.5	6.2	12.7	29.7	80.4	0.0	1.6	31.0	0.0	0.1	0.0
06	86.2	62.5	74.3	2.4	2.2	2.0	580.4	520.7	431.8	287.5	157.3	113.6	0.0	0.3	1.3	7.1	0.0	7.7	30.0	0.0	0.0	0.0
07	90.0	67.4	78.7	2.4	1.9	2.0	734.6	672.6	579.6	424.8	271.7	213.2	0.0	0.0	0.0	0.1	0.5	14.6	31.0	0.0	0.0	0.0
08	88.3	65.9	77.1	2.5	2.2	2.1	685.0	623.0	530.0	375.3	225.5	169.7	0.0	0.0	0.0	0.3	0.1	11.1	31.0	0.0	0.0	0.0
09	82.6	59.0	70.8	3.2	2.9	2.5	474.5	415.4	329.3	196.8	93.0	62.3	0.6	1.5	5.4	22.9	0.0	4.5	30.0	0.0	0.0	0.0
10	72.8	45.7	59.3	2.4	3.1	2.3	177.6	137.1	87.6	34.3	10.6	6.4	45.8	67.3	110.9	212.5	0.1	0.3	30.8	0.0	3.1	0.0
11	62.6	34.7	48.6	4.1	3.0	3.2	36.7	24.1	11.4	2.3	0.2	0.0	227.1	274.5	351.8	492.7	0.0	0.0	26.6	0.0	16.2	0.0
12	53.8	29.3	41.6	4.4	3.6	3.8	11.1	7.3	3.4	0.7	0.1	0.0	427.9	486.1	575.3	727.6	0.0	0.0	18.8	0.5	22.3	0.0
Summary	71.1	45.8	58.5	3.3	2.9	2.8	3251	2845	2284	1468	808	593	1946	2270	2804	3813	0.7	40.1	316.2	3.7	107.5	0.3

Empty or blank cells indicate data is missing or insufficient occurrences to compute value

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Precipitation (in.)								
	Totals	Mean Number of Days				Precipitation Probabilities Probability that precipitation will be equal to or less than the indicated amount		
	Means	Daily Precipitation				Monthly Precipitation vs. Probability Levels		
Month	Mean	>= 0.01	>= 0.10	>= 0.50	>= 1.00	0.25	0.50	0.75
01	3.56	10.4	6.7	2.5	0.7	2.57	3.56	4.19
02	2.95	9.4	6.4	1.9	0.5	1.76	2.57	3.33
03	4.03	10.2	7.5	2.9	0.9	2.93	3.61	5.39
04	3.67	10.1	7.1	2.8	0.7	2.44	3.14	4.96
05	4.35	10.9	7.2	2.8	1.3	2.39	3.99	5.33
06	4.88	9.8	7.3	3.1	1.4	2.35	3.89	6.81
07	4.01	10.3	7.1	2.8	1.0	2.66	4.07	5.03
08	3.82	9.3	6.0	2.2	1.0	2.28	3.44	4.34
09	4.69	9.0	6.1	2.9	1.5	2.94	3.75	6.29
10	3.43	8.7	5.1	2.3	0.8	2.14	2.75	4.38
11	3.40	8.4	5.4	2.4	1.0	1.67	3.13	4.74
12	3.58	10.3	6.7	2.6	1.0	2.31	3.55	4.61
Summary	46.37	116.8	78.6	31.2	11.8	28.44	41.45	59.40

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Snow (in.)													
	Totals	Mean Number of Days									Snow Probabilities Probability that snow will be equal to or less than the indicated amount		
	Means	Snowfall >= Thresholds					Snow Depth >= Thresholds				Monthly Snow vs. Probability Levels Values derived from the incomplete gamma distribution.		
Month	Snowfall Mean	0.01	1.0	3.0	5.00	10.00	1	3	5	10	.25	.50	.75
01	3.00	0.9	0.7	0.4	0.2	0.0	1.0	0.6	0.4	0.0	0.00	0.00	2.00
02	1.10	0.5	0.3	0.1	0.1	0.0	0.8	0.3	0.1	0.0	0.00	0.00	0.80
03	0.40	0.3	0.1	0.1	0.0	0.0	0.2	0.1	0.0	0.0	0.00	0.00	0.00
04	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
05	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
06	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
07	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
08	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
09	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
10	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
11	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
12	1.00	0.4	0.3	0.1	0.0	0.0	0.6	0.3	0.1	0.0	0.00	0.00	0.00
Summary	5.5	2.1	1.4	0.7	0.3	0.0	2.6	1.3	0.6	0.0	0.0	0.0	2.8

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Growing Degree Units (Monthly)												
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Growing Degree Units (Monthly)												
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	95.9	114.2	276.5	527.5	807.6	1030.4	1199.6	1150.0	923.9	597.0	277.0	129.9
45	43.4	55.9	166.9	383.3	652.6	880.4	1044.5	995.0	773.8	444.4	163.6	62.8
50	16.2	23.0	89.2	253.2	498.3	730.5	889.6	840.0	624.0	301.0	84.3	27.7
55	5.1	8.4	41.3	147.8	348.8	580.4	734.6	685.0	474.5	177.6	36.7	11.1
60	1.2	2.3	15.2	74.9	217.2	431.8	579.6	530.0	329.3	87.6	11.4	3.4
Growing Degree Units for Corn (Monthly)												
50/86	78.3	97.2	202.3	346.6	517.7	691.1	815.2	784.0	610.8	383.4	201.1	100.3
Growing Degree Units (Accumulated Monthly)												
40	96	210	487	1014	1822	2852	4052	5202	6126	6723	7000	7130
45	43	99	266	650	1302	2182	3227	4222	4996	5440	5604	5667
50	16	39	128	382	880	1610	2500	3340	3964	4265	4349	4377
55	5	14	55	203	551	1132	1866	2551	3026	3204	3240	3251
60	1	4	19	94	311	743	1322	1852	2182	2269	2280	2284
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	78	176	378	724	1242	1933	2748	3532	4143	4527	4728	4828

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86.
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