

Summary of Monthly Normals
1991-2020

Generated on 04/26/2024

Current Location: Elev: 866 ft. Lat: 38.0328° N Lon: 78.5225° W
Station: CHARLOTTESVILLE 2W, VA US USC00441593

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	44.7	27.7	36.2	3.5	3.8	3.5	4.2	2.4	0.6	0.0	0.0	0.0	586.9	647.0	738.3	892.5	0.0	0.0	11.0	3.6	21.6	0.1
02	48.7	29.5	39.1	4.5	3.7	4.0	5.3	3.0	1.0	0.0	0.0	0.0	450.5	504.2	586.1	725.1	0.0	0.0	13.3	1.7	18.1	0.0
03	56.5	36.3	46.4	4.6	3.6	4.0	37.1	25.7	14.4	3.9	0.5	0.2	303.7	354.2	435.9	580.3	0.0	0.0	22.3	0.5	11.4	0.0
04	68.3	45.9	57.1	2.7	2.1	2.2	148.1	115.7	76.6	32.8	10.2	5.8	85.1	112.7	163.7	269.9	0.0	0.7	28.6	0.0	1.3	0.0
05	75.4	55.4	65.4	3.3	3.2	3.1	332.0	278.6	204.8	105.0	40.1	24.1	9.6	18.2	37.4	92.6	0.0	1.5	31.0	0.0	0.0	0.0
06	83.1	63.8	73.5	2.8	1.7	2.0	553.7	494.1	405.9	265.0	140.3	99.1	0.3	0.7	2.4	11.6	0.1	6.4	30.0	0.0	0.0	0.0
07	87.4	67.9	77.6	2.7	2.1	2.2	702.1	640.0	547.1	392.5	241.4	184.7	0.0	0.0	0.0	0.5	0.7	12.8	31.0	0.0	0.0	0.0
08	85.6	66.3	75.9	2.3	1.6	1.8	649.4	587.4	494.5	341.0	194.3	141.8	0.0	0.0	0.1	1.7	0.2	9.3	31.0	0.0	0.0	0.0
09	79.2	59.6	69.4	3.3	2.3	2.5	433.7	375.5	291.6	166.7	73.5	47.5	1.7	3.5	9.7	34.9	0.0	3.5	30.0	0.0	0.0	0.0
10	68.5	48.9	58.7	2.5	2.1	2.1	167.1	128.3	80.7	31.0	9.0	5.2	52.4	75.5	121.0	226.3	0.0	0.2	30.4	0.0	0.2	0.0
11	57.7	39.3	48.5	4.3	3.5	3.8	38.4	25.4	12.5	2.8	0.2	0.1	233.4	280.3	357.4	497.8	0.0	0.0	23.6	0.0	7.6	0.0
12	48.1	31.9	40.0	4.2	4.0	4.1	8.3	5.3	2.5	0.5	0.0	0.0	473.2	532.2	622.4	775.4	0.0	0.0	13.9	1.3	17.3	0.0
Summary	66.9	47.7	57.3	3.4	2.8	2.9	3079	2681	2132	1341	710	508	2197	2528	3074	4109	1.0	34.4	296.1	7.1	77.5	0.1

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	3.42	9.6	5.7	2.4	0.9	2.17	2.74	4.57
02	2.97	8.6	5.8	2.1	0.7	1.65	2.51	3.86
03	3.96	10.6	6.5	2.7	1.3	2.66	3.90	4.93
04	3.48	11.7	6.6	2.4	0.7	2.30	3.30	4.27
05	4.63	13.1	8.2	2.9	1.0	3.43	3.82	6.32
06	4.68	11.7	7.7	3.0	1.2	2.49	4.36	6.01
07	4.84	12.2	7.4	2.9	1.3	2.94	3.78	6.25
08	4.02	11.3	6.4	2.5	1.0	2.78	3.54	4.50
09	5.21	10.2	6.3	3.0	1.8	2.75	4.38	7.52
10	3.92	9.0	5.3	2.8	1.2	2.26	3.48	5.64
11	3.65	8.4	5.7	2.6	1.2	2.13	3.20	5.24
12	3.75	9.9	6.3	2.5	1.1	2.54	3.11	4.79
Summary	48.53	126.3	77.9	31.8	13.4	30.10	42.12	63.90

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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	3.90	2.2	1.3	0.4	0.1	0.1	4.4	2.1	0.6	0.2	0.70	3.00	4.40
02	5.90	2.2	1.5	0.7	0.3	0.1	4.9	3.1	1.9	0.6	0.70	3.00	7.90
03	3.80	1.4	0.9	0.5	0.2	0.0	1.8	1.0	0.5	0.1	0.00	0.70	5.00
04	0.00	0.1	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	0.20	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
12	3.20	1.5	0.8	0.4	0.2	0.1	2.8	1.3	0.7	0.3	0.00	0.30	4.00
Summary	17.0	7.6	4.6	2.0	0.8	0.3	13.9	7.5	3.7	1.2	1.4	7.0	21.3

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U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data, and Information Service

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National Centers for Environmental Information
151 Patton Avenue
Asheville, North Carolina 28801

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	72.7	96.1	244.9	515.5	787.4	1003.4	1167.0	1114.3	881.9	580.1	279.0	109.3
45	32.6	46.2	147.5	374.3	632.5	853.4	1012.0	959.3	731.9	428.6	170.6	51.2
50	12.3	17.5	80.1	249.6	478.5	703.4	857.1	804.4	582.2	287.4	90.8	22.3
55	4.2	5.3	37.1	148.1	332.0	553.7	702.1	649.4	433.7	167.1	38.4	8.3
60	0.6	1.0	14.4	76.6	204.8	405.9	547.1	494.5	291.6	80.7	12.5	2.5
Growing Degree Units for Corn (Monthly)												
50/86	37.9	56.8	141.3	301.0	487.9	680.3	809.0	770.7	574.8	328.5	142.9	52.8

Growing Degree Units (Accumulated Monthly)												
40	73	169	414	929	1717	2720	3887	5001	5883	6463	6742	6852
45	33	79	226	601	1233	2086	3098	4058	4790	5218	5389	5440
50	12	30	110	360	838	1541	2398	3203	3785	4073	4163	4186
55	4	10	47	195	527	1080	1782	2432	2866	3033	3071	3079
60	1	2	16	93	297	703	1250	1745	2036	2117	2130	2132
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	38	95	236	537	1025	1705	2514	3285	3860	4188	4331	4384

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