

Summary of Monthly Normals
1991-2020

Generated on 04/27/2024

Current Location: Elev: 105 ft. Lat: 36.9742° N Lon: 77.4042° W

Station: STONY CREEK 2 N, VA US USC00448129

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	49.2	26.8	38.0	3.9	3.7	3.6	4.6	2.6	0.8	0.0	0.0	0.0	531.5	591.5	682.7	836.9	0.0	0.0	15.3	2.1	22.4	0.2
02	53.1	28.6	40.8	4.8	3.2	3.8	7.2	4.1	1.4	0.0	0.0	0.0	403.4	456.3	537.6	676.2	0.0	0.0	17.3	0.9	19.5	0.0
03	60.7	34.8	47.7	4.3	3.4	3.7	41.9	28.8	15.3	4.4	0.5	0.2	266.6	315.5	394.9	539.1	0.0	0.0	25.5	0.2	13.6	0.0
04	71.4	44.6	58.0	2.5	2.0	2.1	161.3	126.3	83.0	35.5	10.5	5.7	71.4	96.3	143.0	245.5	0.0	0.6	29.4	0.0	2.5	0.0
05	78.4	54.1	66.3	3.1	3.3	3.0	355.0	299.6	223.8	118.7	45.7	27.0	6.3	12.8	30.0	80.0	0.0	2.8	31.0	0.0	0.0	0.0
06	85.6	63.6	74.6	2.0	2.2	1.9	588.2	528.8	440.1	296.0	164.9	119.9	0.3	0.8	2.1	8.0	0.2	10.1	30.0	0.0	0.0	0.0
07	89.6	67.8	78.7	2.6	2.2	2.2	734.6	672.6	579.6	424.7	271.3	212.9	0.0	0.0	0.0	0.0	1.1	17.6	31.0	0.0	0.0	0.0
08	87.3	66.0	76.7	2.6	2.2	2.1	671.1	609.1	516.1	361.6	212.4	158.2	0.0	0.0	0.0	0.5	0.3	11.9	31.0	0.0	0.0	0.0
09	81.6	59.3	70.4	3.0	2.9	2.5	464.4	405.3	319.4	189.3	86.9	56.7	1.0	1.9	6.0	25.9	0.0	4.3	30.0	0.0	0.0	0.0
10	71.4	46.5	58.9	2.4	2.8	2.3	172.2	133.1	85.0	34.1	10.0	5.4	49.7	72.6	117.5	221.7	0.0	0.4	30.9	0.0	2.2	0.0
11	61.4	36.0	48.7	4.0	3.0	3.2	39.3	27.0	13.6	3.3	0.4	0.1	228.3	275.9	352.5	492.2	0.0	0.0	26.4	0.0	11.9	0.0
12	52.8	30.5	41.6	5.0	3.9	4.3	12.7	8.1	3.5	0.6	0.0	0.0	426.5	483.9	572.3	724.4	0.0	0.0	19.1	0.6	20.2	0.0
Summary	70.2	46.6	58.4	3.4	2.9	2.9	3252	2845	2282	1468	803	586	1985	2308	2839	3850	1.6	47.7	316.9	3.8	92.3	0.2

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	3.38	7.9	5.8	2.5	1.0	2.23	3.27	4.37	
02	2.83	6.9	5.3	1.7	0.8	1.72	2.47	3.58	
03	4.27	8.5	6.4	3.1	1.4	3.15	4.05	5.23	
04	3.40	7.9	5.8	2.7	0.8	2.42	3.08	4.26	
05	3.93	8.6	6.5	3.0	1.1	2.56	3.71	4.77	
06	4.51	8.1	6.4	3.6	1.6	2.06	4.34	5.57	
07	5.16	8.4	6.7	2.9	1.6	3.41	5.39	6.80	
08	4.80	7.6	5.5	2.9	1.6	2.72	4.13	6.54	
09	4.81	6.8	5.4	3.1	1.6	2.56	4.37	6.08	
10	3.84	6.2	4.3	2.3	1.3	2.78	3.58	4.84	
11	3.00	6.7	4.8	2.4	1.0	1.40	2.82	3.83	
12	3.67	7.4	5.9	2.7	1.1	2.18	3.43	4.96	
Summary	47.60	91.0	68.8	32.9	14.9	29.19	44.64	60.83	

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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	1.90	0.8	0.6	0.2	0.1	0.0	1.2	0.7	0.5	0.1	0.00	0.00	1.50
02	1.40	0.8	0.5	0.2	0.1	0.0	1.4	0.8	0.2	0.0	0.00	0.00	0.50
03	0.50	0.3	0.2	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.00	0.00	0.00
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	0.00	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	0.50	0.4	0.2	0.1	0.0	0.0	0.4	0.1	0.0	0.0	0.00	0.00	0.00
Summary	4.3	2.4	1.5	0.5	0.2	0.0	3.2	1.6	0.7	0.1	0.0	0.0	2.0

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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	90.4	110.8	271.9	541.2	813.8	1037.9	1199.5	1136.1	913.4	587.8	280.4	135.5
45	42.1	53.8	165.9	397.7	658.9	887.9	1044.5	981.0	763.3	435.6	167.7	67.5
50	16.7	21.7	90.0	268.5	504.6	737.9	889.5	826.1	613.5	293.0	88.0	31.7
55	4.6	7.2	41.9	161.3	355.0	588.2	734.6	671.1	464.4	172.2	39.3	12.7
60	0.8	1.4	15.3	83.0	223.8	440.1	579.6	516.1	319.4	85.0	13.6	3.5
Growing Degree Units for Corn (Monthly)												
50/86	66.0	88.7	187.1	343.6	521.9	704.2	820.4	780.5	605.5	368.9	186.1	93.8

Growing Degree Units (Accumulated Monthly)												
40	90	201	473	1014	1828	2866	4066	5202	6115	6703	6983	7119
45	42	96	262	660	1318	2206	3251	4232	4995	5431	5598	5666
50	17	38	128	397	902	1639	2529	3355	3968	4262	4350	4381
55	5	12	54	215	570	1158	1893	2564	3028	3200	3240	3252
60	1	2	18	100	324	764	1344	1860	2180	2264	2278	2282
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	66	155	342	685	1207	1912	2732	3512	4118	4487	4673	4767

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