

Summary of Monthly Normals 1991-2020

Generated on 09/24/2021

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	49.1	30.6	39.8	3.7	3.9	3.7	9.2	5.6	2.3	0.4	0.0	0.0	478.7	537.2	626.8	780.0	0.0	0.0	15.4	1.9	19.3	0.1
02	52.3	32.0	42.2	4.4	3.5	3.8	12.2	7.7	3.4	0.6	0.1	0.0	372.0	423.5	503.1	640.4	0.0	0.0	16.3	0.7	16.1	0.0
03	59.8	38.5	49.1	3.9	3.4	3.5	53.0	38.1	21.3	6.5	1.3	0.6	234.3	281.4	357.6	497.9	0.0	0.0	25.4	0.1	9.4	0.0
04	70.0	47.7	58.9	2.5	2.5	2.4	174.3	138.6	93.6	41.5	12.4	6.7	58.8	83.1	128.1	226.0	0.0	0.4	29.7	0.0	1.1	0.0
05	77.2	57.0	67.1	3.1	3.3	3.1	378.3	320.7	240.1	129.6	53.6	33.1	3.2	7.6	20.0	64.5	0.0	1.7	31.0	0.0	0.0	0.0
06	84.4	65.3	74.9	2.1	2.0	1.9	595.5	535.6	446.1	301.2	169.7	124.5	0.0	0.1	0.7	5.7	0.1	7.7	30.0	0.0	0.0	0.0
07	88.5	70.2	79.3	2.2	2.0	1.9	754.7	692.7	599.7	444.8	290.8	230.9	0.0	0.0	0.0	0.0	0.5	14.5	31.0	0.0	0.0	0.0
08	86.5	68.7	77.6	2.1	2.1	1.9	700.6	638.6	545.6	390.6	237.9	180.4	0.0	0.0	0.0	0.0	0.1	9.9	31.0	0.0	0.0	0.0
09	80.5	63.1	71.8	2.5	2.5	2.2	504.1	444.5	356.6	218.2	104.2	69.3	0.2	0.6	2.6	14.2	0.0	2.9	30.0	0.0	0.0	0.0
10	71.0	51.3	61.1	2.0	2.7	2.1	218.7	172.4	113.5	45.9	13.6	7.2	28.1	43.8	77.8	165.2	0.0	0.2	30.9	0.0	0.2	0.0
11	61.1	40.9	51.0	3.7	2.9	3.2	56.7	39.4	20.5	4.9	0.7	0.2	176.7	219.4	290.5	424.9	0.0	0.0	27.1	0.0	6.4	0.0
12	52.6	34.1	43.4	4.6	4.0	4.2	18.7	12.5	5.8	1.1	0.2	0.0	379.8	435.6	521.9	672.2	0.0	0.0	19.0	0.3	15.8	0.0
Summary	69.4	49.9	59.7	3.1	2.9	2.8	3476	3046	2448	1585	885	653	1732	2032	2529	3491	0.7	37.3	316.8	3.0	68.3	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	3.77	10.6	6.8	3.0	0.8	2.72	3.52	4.58
02	3.05	9.7	5.9	2.0	0.7	1.82	2.64	4.06
03	4.25	10.6	7.3	2.9	1.0	3.30	4.11	4.99
04	3.98	10.3	6.5	3.0	1.0	3.05	3.74	4.75
05	3.89	11.3	7.3	2.5	1.0	2.69	3.64	4.86
06	4.16	10.7	6.9	2.9	1.1	2.81	3.75	4.96
07	5.92	12.0	8.9	3.6	1.7	3.75	5.61	7.63
08	5.68	10.8	7.4	3.8	1.7	2.96	4.78	8.49
09	5.40	10.2	6.4	2.6	1.5	2.40	3.92	6.92
10	4.21	8.8	5.3	2.4	1.4	3.05	4.08	5.49
11	3.13	9.1	5.8	2.3	0.6	1.48	3.20	3.99
12	3.80	10.6	6.7	2.7	1.0	2.62	3.55	4.31
Summary	51.24	124.7	81.2	33.7	13.5	32.65	46.54	65.03

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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	1.7	0.5	0.4	0.2	0.1	0.0	1.8	1.1	0.6	0.1	0.0	0.0	1.0
02	1.6	0.6	0.4	0.1	0.0	0.0	1.4	0.4	0.0	0.0	0.0	0.0	1.5
03	0.2	0.2	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
04	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
09	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.7	0.3	0.2	0.0	0.0	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.1
Summary	4.3	1.6	1.1	0.3	0.1	0.0	3.7	1.6	0.6	0.1	0.0	0.0	2.6

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U.S. Department of Commerce
 National Oceanic & Atmospheric Administration
 National Environmental Satellite, Data, and Information Service
 Current Location: Elev: 70 ft. Lat: 37.3017° N Lon: -76.7039° W
 Station: **WILLIAMSBURG 2 N, VA US USC00449151**

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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
40	120.0	133.9	306.2	566.2	840.1	1045.4	1219.7	1165.5	953.9	655.7	339.8	167.9
45	60.5	69.6	191.4	420.0	685.1	895.4	1064.6	1010.5	803.8	501.5	215.2	89.4
50	26.0	32.1	107.8	285.6	530.2	745.4	909.7	855.5	653.9	353.0	120.9	43.3
55	9.2	12.2	53.0	174.3	378.3	595.5	754.7	700.6	504.1	218.7	56.7	18.7
60	2.3	3.4	21.3	93.6	240.1	446.1	599.7	545.6	356.6	113.5	20.5	5.8
Growing Degree Units for Corn (Monthly)												
50/86	66.5	82.0	179.7	341.4	537.0	719.6	855.5	820.2	646.4	391.3	188.1	90.6

Growing Degree Units (Accumulated Monthly)												
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	120	254	560	1126	1966	3012	4232	5397	6351	7007	7346	7514
45	60	130	322	742	1427	2322	3387	4397	5201	5702	5918	6007
50	26	58	166	452	982	1727	2637	3492	4146	4499	4620	4663
55	9	21	74	249	627	1222	1977	2678	3182	3401	3457	3476
60	2	6	27	121	361	807	1406	1952	2309	2422	2443	2448
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	66	148	328	670	1207	1926	2782	3602	4248	4640	4828	4918

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

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