

Summary of Monthly Normals
1991-2020

Current Location: Elev: 408 ft. Lat: 37.0678° N Lon: 78.9517° W
Station: **BROOKNEAL, VA US USC00441082**

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	47.6	24.2	35.9	3.6	3.6	3.4	3.8	2.0	0.8	0.0	0.0	0.0	595.7	655.9	747.7	901.9	0.0	0.0	12.2	4.8	26.0	0.7
02	51.6	26.2	38.9	4.2	3.7	3.7	5.1	2.7	0.7	0.0	0.0	0.0	455.8	509.4	591.4	730.8	0.0	0.0	13.9	1.6	22.6	0.1
03	59.9	31.9	45.9	4.4	3.3	3.7	32.7	22.7	12.4	3.2	0.3	0.1	314.7	366.7	449.4	595.2	0.0	0.0	22.4	0.3	19.3	0.0
04	70.9	41.5	56.2	2.9	2.6	2.5	130.2	100.3	63.3	21.7	4.7	2.2	94.2	124.3	177.4	285.7	0.0	0.1	28.7	0.0	7.3	0.0
05	78.2	51.6	64.9	3.3	3.5	3.1	321.0	267.8	195.0	97.8	34.3	18.6	14.1	22.9	43.1	100.9	0.0	1.6	30.8	0.0	0.7	0.0
06	85.5	60.3	72.9	2.6	2.0	2.0	537.5	478.0	389.3	248.5	127.0	87.6	0.6	1.0	2.3	11.6	0.1	5.3	30.0	0.0	0.0	0.0
07	88.3	65.0	76.6	2.8	2.1	2.3	671.1	609.1	516.1	362.0	215.1	161.4	0.0	0.0	0.0	1.0	0.4	11.1	31.0	0.0	0.0	0.0
08	87.2	63.8	75.5	2.5	1.9	1.9	635.4	573.4	480.5	327.7	184.7	134.9	0.0	0.0	0.1	2.3	0.3	9.6	31.0	0.0	0.0	0.0
09	80.9	56.4	68.6	2.7	3.1	2.4	414.4	357.6	275.6	157.1	70.6	46.2	5.0	8.2	16.2	47.7	0.0	4.0	30.0	0.0	0.1	0.0
10	70.5	43.2	56.9	2.5	3.8	2.5	137.0	103.6	65.8	26.2	7.8	4.1	79.6	108.3	163.5	278.8	0.0	0.4	30.2	0.0	5.2	0.0
11	59.9	32.2	46.1	4.0	3.0	3.2	20.9	13.0	6.0	0.7	0.0	0.0	289.3	341.5	424.5	569.1	0.0	0.0	24.3	0.0	19.2	0.0
12	51.0	27.1	39.0	4.0	3.6	3.7	5.9	3.7	1.5	0.1	0.0	0.0	500.3	560.1	650.9	804.5	0.0	0.0	15.7	1.9	24.6	0.0
Summary	69.3	43.6	56.4	3.3	3.0	2.9	2915	2534	2007	1245	644	455	2349	2698	3266	4330	0.8	32.1	300.2	8.6	125.0	0.8

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	3.73	9.9	6.7	2.4	1.0	2.46	3.59	4.74
02	2.77	9.2	5.7	1.9	0.5	1.74	2.37	3.32
03	4.03	10.6	7.3	2.5	0.8	2.95	3.69	4.97
04	3.39	10.7	7.0	2.8	0.9	2.26	3.13	4.79
05	4.76	12.0	7.8	3.0	1.6	2.47	4.89	5.95
06	4.13	10.6	7.0	2.9	0.9	2.77	3.46	4.48
07	4.29	10.8	6.9	2.8	1.2	3.25	4.08	5.54
08	3.51	10.2	5.9	2.4	1.0	2.40	2.95	4.01
09	4.27	8.8	5.7	2.8	1.4	2.10	3.70	5.86
10	3.82	9.3	5.8	2.4	1.1	1.97	3.33	5.81
11	3.64	8.6	5.6	2.5	1.0	2.30	3.14	5.14
12	3.66	10.1	6.6	2.8	1.0	2.74	3.39	4.70
Summary	46.00	120.8	78.0	31.2	12.4	29.41	41.72	59.31

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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	3.10	1.8	1.0	0.4	0.3	0.0	3.1	1.3	0.7	0.0	0.00	1.60	6.40
02	2.30	1.1	0.7	0.4	0.2	0.0	2.2	0.8	0.3	0.0	0.00	0.80	3.50
03	0.50	0.6	0.2	0.0	0.0	0.0	0.8	0.2	0.1	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	1.50	0.8	0.5	0.2	0.1	0.0	1.6	0.7	0.3	0.0	0.00	0.00	1.60
Summary	7.4	4.3	2.4	1.0	0.6	0.0	7.7	3.0	1.4	0.0	0.0	2.4	11.5

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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	71.5	92.1	231.0	489.5	771.9	986.8	1136.0	1100.3	859.3	524.1	214.6	94.5
45	31.1	43.3	135.0	350.4	617.2	836.9	981.0	945.4	709.5	376.6	117.6	42.1
50	11.6	16.3	70.8	227.2	465.3	687.0	826.0	790.4	560.2	243.0	55.6	17.2
55	3.8	5.1	32.7	130.2	321.0	537.5	671.1	635.4	414.4	137.0	20.9	5.9
60	0.8	0.7	12.4	63.3	195.0	389.3	516.1	480.5	275.6	65.8	6.0	1.5
Growing Degree Units for Corn (Monthly)												
50/86	57.4	77.6	179.8	327.7	496.9	657.6	769.0	743.6	561.3	345.1	162.9	76.1

Growing Degree Units (Accumulated Monthly)												
40	72	164	395	884	1656	2643	3779	4879	5738	6263	6477	6572
45	31	74	209	560	1177	2014	2995	3940	4650	5026	5144	5186
50	12	28	99	326	791	1478	2304	3095	3655	3898	3953	3971
55	4	9	42	172	493	1030	1701	2337	2751	2888	2909	2915
60	1	2	14	77	272	662	1178	1658	1934	1999	2005	2007
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	57	135	315	642	1139	1797	2566	3310	3871	4216	4379	4455

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