

Summary of Monthly Normals
1991-2020

Generated on 05/22/2024

Current Location: Elev: 647 ft. Lat: 36.8219° N Lon: 79.4103° W

Station: CHATHAM, VA US USC00441614

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	47.3	24.2	35.7	3.4	3.5	3.3	2.2	1.2	0.4	0.0	0.0	0.0	598.9	659.8	752.0	906.7	0.0	0.0	12.8	3.1	25.7	0.5
02	51.0	25.7	38.4	4.2	3.4	3.6	3.6	1.8	0.5	0.0	0.0	0.0	469.8	524.0	606.6	746.2	0.0	0.0	14.7	1.1	23.1	0.1
03	59.2	31.8	45.5	4.5	3.5	3.8	26.0	16.6	7.5	1.4	0.1	0.0	320.5	373.0	457.0	605.9	0.0	0.0	23.7	0.1	18.2	0.1
04	69.4	40.6	55.0	2.6	2.5	2.2	107.4	80.3	47.2	13.9	1.7	0.5	107.4	140.3	197.2	313.9	0.0	0.2	29.0	0.0	8.1	0.0
05	75.9	50.8	63.4	2.9	4.0	3.1	275.5	225.2	158.1	71.3	19.4	9.2	16.6	28.4	54.3	122.5	0.0	0.5	30.9	0.0	0.7	0.0
06	82.8	59.9	71.4	2.3	2.0	1.9	491.0	431.7	344.4	206.6	92.2	57.8	0.5	1.3	3.9	16.1	0.0	3.8	30.0	0.0	0.0	0.0
07	86.3	64.7	75.5	1.9	2.0	1.7	635.4	573.4	480.4	325.9	178.2	125.6	0.0	0.0	0.0	0.5	0.0	9.3	31.0	0.0	0.0	0.0
08	84.9	63.2	74.0	2.8	2.3	2.2	590.5	528.5	435.5	282.7	142.1	95.9	0.0	0.0	0.1	2.1	0.0	6.1	31.0	0.0	0.0	0.0
09	78.9	56.0	67.5	2.8	2.9	2.3	376.7	320.1	239.2	124.2	45.0	24.9	3.2	6.6	15.8	50.8	0.0	1.6	30.0	0.0	0.1	0.0
10	69.6	42.9	56.2	2.3	3.4	2.2	118.1	86.7	50.8	16.7	4.1	1.7	79.3	109.9	167.1	288.0	0.0	0.2	30.7	0.0	5.8	0.0
11	59.4	31.9	45.7	3.9	2.9	3.0	19.3	11.8	4.7	0.5	0.0	0.0	299.8	352.2	435.1	581.0	0.0	0.0	25.0	0.0	19.1	0.0
12	50.3	27.0	38.6	4.4	3.6	3.8	5.0	3.0	1.1	0.0	0.0	0.0	511.8	571.7	662.9	816.8	0.0	0.0	15.6	0.9	24.4	0.0
Summary	67.9	43.2	55.6	3.2	3.0	2.8	2651	2280	1770	1043	483	316	2408	2767	3352	4450	0.0	21.7	304.4	5.2	125.2	0.7

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	4.18	10.0	7.0	3.1	1.1	2.60	3.96	4.90
02	2.79	8.3	5.9	1.9	0.5	1.46	2.27	3.27
03	3.97	10.4	7.3	2.8	1.0	3.02	3.53	4.46
04	3.85	10.6	7.3	2.9	0.8	2.32	3.64	4.81
05	4.51	12.2	8.1	3.2	1.2	2.68	4.61	5.52
06	4.24	11.0	7.3	2.7	1.2	2.41	3.93	5.08
07	4.22	11.2	7.8	3.2	1.1	3.23	4.28	4.85
08	4.12	9.8	6.5	2.6	1.2	2.35	3.53	5.27
09	5.00	9.1	6.2	3.3	1.6	2.69	3.89	6.27
10	3.46	8.5	5.8	2.4	0.9	2.07	3.02	4.71
11	3.52	8.5	5.5	2.5	1.0	2.28	3.23	5.31
12	3.84	9.4	6.8	2.7	1.1	3.03	3.48	4.76
Summary	47.70	119.0	81.5	33.3	12.7	30.14	43.37	59.21

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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	1.1	0.7	0.2	0.2	0.0	2.3	1.3	0.7	0.1	0.00	0.30	1.30
02	1.60	0.7	0.4	0.2	0.1	0.0	2.5	1.1	0.3	0.0	0.00	0.30	2.00
03	1.00	0.4	0.3	0.1	0.1	0.0	0.5	0.2	0.0	0.0	0.00	0.00	0.10
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	1.30	0.5	0.3	0.2	0.1	0.0	1.1	0.8	0.5	0.1	0.00	0.00	0.50
Summary	5.8	2.7	1.7	0.7	0.5	0.0	6.4	3.4	1.5	0.2	0.0	0.6	3.9

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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	61.4	79.1	219.4	453.3	723.9	940.4	1100.4	1055.4	823.4	504.9	205.5	83.7
45	24.9	35.1	125.6	314.8	569.0	790.4	945.4	900.5	673.5	356.3	112.6	37.2
50	8.2	12.9	62.8	196.0	416.4	640.4	790.4	745.5	523.8	222.7	52.0	15.2
55	2.2	3.6	26.0	107.4	275.5	491.0	635.4	590.5	376.7	118.1	19.3	5.0
60	0.4	0.5	7.5	47.2	158.1	344.4	480.4	435.5	239.2	50.8	4.7	1.1
Growing Degree Units for Corn (Monthly)												
50/86	51.8	72.8	167.6	304.0	460.7	628.6	756.7	719.0	534.9	327.5	157.9	67.0

Growing Degree Units (Accumulated Monthly)												
40	61	140	360	813	1537	2478	3578	4633	5457	5962	6167	6251
45	25	60	186	500	1069	1860	2805	3706	4379	4736	4848	4885
50	8	21	84	280	696	1337	2127	2873	3396	3619	3671	3686
55	2	6	32	139	415	906	1541	2132	2508	2626	2646	2651
60	0	1	8	56	214	558	1038	1474	1713	1764	1769	1770
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	52	125	292	596	1057	1686	2442	3161	3696	4024	4182	4248

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