

Summary of Monthly Normals
1991-2020

Generated on 04/28/2024

Current Location: Elev: 680 ft. Lat: 35.8422° N Lon: 80.4978° W
Station: **MOCKSVILLE 5SE, NC US USC00315743**

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	49.3	24.8	37.1	3.2	4.3	3.6	2.9	1.6	0.6	0.1	0.0	0.0	559.1	619.8	711.9	866.5	0.0	0.0	15.9	1.6	24.4	0.2
02	53.1	27.0	40.1	4.1	3.6	3.6	5.4	2.9	1.0	0.1	0.0	0.0	423.8	477.4	559.5	698.7	0.0	0.0	18.5	0.5	21.9	0.1
03	61.0	33.2	47.1	4.0	3.8	3.7	31.2	20.5	9.6	1.6	0.1	0.0	276.0	327.4	409.4	556.5	0.0	0.0	26.7	0.1	16.3	0.0
04	70.5	42.2	56.3	2.4	2.4	2.1	122.9	92.2	55.5	18.7	3.3	1.2	82.4	111.8	165.0	278.2	0.0	0.2	29.4	0.0	6.3	0.0
05	77.2	52.5	64.8	2.7	3.5	2.8	314.8	260.9	186.9	87.6	25.3	12.2	9.5	17.6	36.6	92.2	0.0	1.4	31.0	0.0	0.5	0.0
06	84.2	61.3	72.8	2.8	1.7	2.0	532.5	472.9	384.7	242.3	116.4	75.6	0.1	0.5	2.2	9.8	0.0	8.1	30.0	0.0	0.0	0.0
07	87.7	65.7	76.7	2.5	1.5	1.8	672.6	610.6	517.6	362.8	211.6	155.5	0.0	0.0	0.0	0.1	0.3	15.8	31.0	0.0	0.0	0.0
08	86.2	64.8	75.5	2.4	1.9	1.9	635.3	573.3	480.4	326.4	179.2	126.9	0.0	0.0	0.0	0.9	0.4	11.4	31.0	0.0	0.0	0.0
09	80.4	57.8	69.1	3.1	2.7	2.4	424.7	366.6	282.3	157.1	64.0	38.5	1.9	3.7	9.4	34.2	0.0	4.0	30.0	0.0	0.0	0.0
10	71.2	44.2	57.7	2.7	3.5	2.4	146.9	109.7	65.2	22.2	5.6	2.7	63.1	87.9	136.4	248.4	0.0	0.2	30.8	0.0	4.9	0.0
11	61.3	33.3	47.3	3.9	3.4	3.2	29.7	19.8	9.7	1.9	0.1	0.0	260.6	310.6	390.6	532.9	0.0	0.0	27.2	0.0	18.3	0.0
12	52.6	28.1	40.4	4.7	3.8	4.0	7.7	5.0	2.5	0.3	0.0	0.0	461.8	521.1	611.6	764.4	0.0	0.0	20.3	0.2	23.3	0.0
Summary	69.6	44.6	57.1	3.2	3.0	2.8	2927	2536	1996	1221	606	413	2138	2478	3033	4083	0.7	41.1	321.8	2.4	115.9	0.3

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	3.75	8.7	6.2	2.7	0.9	2.50	4.02	5.04
02	3.27	8.5	6.0	2.3	0.6	2.31	3.28	4.01
03	4.20	10.1	6.8	3.0	0.9	2.97	3.84	5.32
04	4.11	9.6	6.1	2.8	1.3	2.76	3.87	5.48
05	3.61	10.5	6.5	2.5	1.0	2.11	2.87	4.79
06	4.10	10.6	7.3	2.7	1.3	2.75	3.60	5.40
07	4.27	9.8	5.8	2.6	1.0	2.49	3.28	5.30
08	4.63	10.4	6.8	2.8	1.0	3.34	4.20	5.96
09	4.07	8.6	5.5	2.6	1.2	2.61	3.66	5.47
10	3.31	7.0	4.5	2.0	0.8	1.77	3.26	4.41
11	3.58	7.8	5.3	2.3	1.1	2.02	3.31	5.47
12	3.98	9.1	6.6	3.2	1.0	2.44	3.54	5.20
Summary	46.88	110.7	73.4	31.5	12.1	30.07	42.73	61.85

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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

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	0.4	0.2	0.0					0.00	0.00	3.20
02	0.50	0.6	0.3	0.0	0.0	0.0					0.00	0.00	0.80
03	0.40	0.3	0.1	0.0	0.0	0.0					0.00	0.00	0.10
04	0.00	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					0.00	0.00	0.00
06	0.00	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					0.00	0.00	0.00
08	0.00	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					0.00	0.00	0.00
10	0.00	0.0	0.0	0.0	0.0	0.0					0.00	0.00	0.00
11	0.10	0.0	0.0	0.0	0.0	0.0					0.00	0.00	0.00
12	1.60	0.4	0.4	0.3	0.2	0.0					0.00	0.00	2.00
Summary	4.5	2.1	1.4	0.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1

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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	77.3	98.5	252.9	492.4	770.3	982.4	1137.6	1100.4	872.9	549.3	244.7	109.4
45	33.4	46.1	147.4	350.3	615.4	832.4	982.6	945.4	722.9	398.8	140.1	51.0
50	11.3	18.1	74.1	223.2	461.4	682.4	827.6	790.4	573.1	260.9	69.8	21.5
55	2.9	5.4	31.2	122.9	314.8	532.5	672.6	635.3	424.7	146.9	29.7	7.7
60	0.6	1.0	9.6	55.5	186.9	384.7	517.6	480.4	282.3	65.2	9.7	2.5
Growing Degree Units for Corn (Monthly)												
50/86	64.2	87.7	189.0	326.6	497.2	662.4	781.7	757.4	577.0	357.3	184.5	86.4

Growing Degree Units (Accumulated Monthly)												
40	77	176	429	921	1691	2674	3811	4912	5785	6334	6579	6688
45	33	80	227	577	1193	2025	3008	3953	4676	5075	5215	5266
50	11	29	104	327	788	1470	2298	3088	3662	3922	3992	4014
55	3	8	40	162	477	1010	1682	2318	2742	2889	2919	2927
60	1	2	11	67	254	638	1156	1636	1919	1984	1994	1996
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	64	152	341	668	1165	1827	2609	3366	3943	4300	4485	4571

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