

Summary of Monthly Normals
1991-2020

Generated on 04/25/2024

Current Location: Elev: 1180 ft. Lat: 35.7297° N Lon: 81.6728° W

Station: MORGANTON, NC US USC00315838

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	49.4	27.9	38.7	3.5	3.8	3.5	2.2	0.8	0.2	0.0	0.0	0.0	508.9	569.5	662.0	816.8	0.0	0.0	16.2	1.7	22.3	0.1
02	53.4	30.3	41.8	4.0	3.2	3.4	6.7	3.8	1.7	0.1	0.0	0.0	374.9	427.9	509.9	648.3	0.0	0.0	18.7	0.4	18.9	0.0
03	60.8	36.6	48.7	4.3	3.2	3.6	41.2	27.7	13.4	2.1	0.0	0.0	236.5	285.0	363.7	507.4	0.0	0.0	26.2	0.0	11.6	0.0
04	70.6	44.9	57.7	2.5	2.5	2.3	143.2	108.0	64.6	19.2	2.5	0.8	60.7	85.5	132.0	236.6	0.0	0.2	29.6	0.0	2.1	0.0
05	77.9	53.7	65.8	2.7	3.3	2.7	341.3	285.2	206.7	99.1	28.3	13.4	6.5	12.4	26.9	74.3	0.0	1.4	31.0	0.0	0.0	0.0
06	84.5	62.2	73.3	2.8	1.7	2.0	550.5	490.6	401.4	257.1	127.0	84.2	0.1	0.2	0.9	6.6	0.0	7.2	30.0	0.0	0.0	0.0
07	87.7	66.0	76.9	2.4	1.6	1.8	677.3	615.3	522.3	367.5	215.7	158.5	0.0	0.0	0.0	0.2	0.3	14.2	31.0	0.0	0.0	0.0
08	85.9	64.9	75.4	2.3	1.8	1.7	632.3	570.3	477.4	322.8	173.9	120.9	0.0	0.0	0.0	0.4	0.1	8.8	31.0	0.0	0.0	0.0
09	80.0	58.5	69.3	3.0	2.5	2.4	428.5	370.2	285.4	158.1	61.5	35.3	1.1	2.8	7.9	30.7	0.0	2.7	30.0	0.0	0.0	0.0
10	70.9	46.2	58.5	2.4	3.2	2.3	160.2	120.4	71.9	24.3	6.1	3.2	50.2	72.4	116.8	224.2	0.0	0.1	30.7	0.0	2.3	0.0
11	60.6	35.2	47.9	4.1	2.8	3.1	25.6	15.8	6.8	0.9	0.0	0.0	238.5	288.7	369.7	513.8	0.0	0.0	27.0	0.0	13.5	0.0
12	51.8	30.3	41.1	4.4	3.9	3.9	6.6	3.8	1.4	0.1	0.0	0.0	439.0	498.2	588.8	742.5	0.0	0.0	18.9	0.4	20.1	0.0
Summary	69.5	46.4	57.9	3.2	2.8	2.7	3016	2612	2053	1251	615	416	1916	2243	2779	3802	0.4	34.6	320.3	2.5	90.8	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	4.30	10.0	6.5	2.9	1.2	3.11	4.10	5.58	
02	3.67	9.4	6.6	2.6	0.9	2.06	3.57	4.86	
03	4.38	10.7	7.1	3.1	1.4	2.98	3.96	5.89	
04	4.29	9.4	6.8	2.9	1.3	2.91	4.18	5.44	
05	4.11	11.2	7.3	2.8	1.1	2.03	3.46	5.79	
06	4.80	11.4	7.9	3.2	1.3	3.17	4.93	6.26	
07	4.41	12.4	7.9	2.8	1.0	2.55	3.44	6.44	
08	4.80	11.2	7.6	3.2	1.3	2.78	4.42	6.43	
09	4.59	9.1	6.5	3.0	1.7	2.82	4.06	6.50	
10	3.77	8.0	4.9	2.2	1.2	2.26	3.06	5.85	
11	3.75	8.3	5.7	2.4	1.1	1.91	3.70	5.14	
12	4.66	10.3	7.0	3.1	1.5	3.33	4.14	5.37	
Summary	51.53	121.4	81.8	34.2	15.0	31.91	47.02	69.55	

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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	1.00	0.3	0.2	0.1	0.0	0.0	1.1	0.5	0.4	0.0	0.00	0.00	0.00
02	0.30	0.5	0.3	0.1	0.0	0.0	0.5	0.1	0.1	0.0	0.00	0.00	0.00
03	1.60	0.4	0.3	0.2	0.1	0.0	0.1	0.0	0.0	0.0	0.00	0.00	1.50
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	1.60	0.3	0.2	0.2	0.2	0.0	0.6	0.3	0.2	0.0	0.00	0.00	0.00
Summary	4.5	1.5	1.0	0.6	0.3	0.0	2.3	0.9	0.7	0.0	0.0	0.0	1.5

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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	87.8	120.5	292.6	533.4	799.8	1000.4	1142.3	1097.3	877.4	575.4	257.1	116.6
45	35.9	54.6	178.9	387.7	644.8	850.4	987.3	942.3	727.4	423.5	146.0	52.8
50	11.3	21.0	94.7	253.8	490.6	700.5	832.3	787.3	577.6	281.2	69.3	21.0
55	2.2	6.7	41.2	143.2	341.3	550.5	677.3	632.3	428.5	160.2	25.6	6.6
60	0.2	1.7	13.4	64.6	206.7	401.4	522.3	477.4	285.4	71.9	6.8	1.4
Growing Degree Units for Corn (Monthly)												
50/86	58.6	86.9	185.6	330.3	511.5	677.5	785.7	755.8	579.2	357.9	172.6	75.8

Growing Degree Units (Accumulated Monthly)												
40	88	208	501	1034	1834	2834	3977	5074	5952	6527	6784	6901
45	36	90	269	657	1302	2152	3140	4082	4809	5233	5379	5432
50	11	32	127	381	871	1572	2404	3192	3769	4050	4120	4141
55	2	9	50	193	535	1085	1762	2395	2823	2983	3009	3016
60	0	2	15	80	287	688	1210	1688	1973	2045	2052	2053
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	59	146	331	661	1173	1850	2636	3392	3971	4329	4502	4577

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