

Summary of Monthly Normals
1991-2020

Generated on 06/03/2024

Current Location: Elev: 1850 ft. Lat: 35.2242° N Lon: 85.8414° W

Station: MONTEAGLE, TN US USC00406162

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	44.3	26.4	35.4	4.2	4.8	4.4	2.7	1.3	0.3	0.0	0.0	0.0	611.6	672.3	764.3	919.0	0.0	0.0	11.2	5.6	21.1	0.5
02	48.7	29.8	39.3	4.5	4.3	4.2	5.7	3.2	1.0	0.0	0.0	0.0	446.7	500.1	582.0	721.0	0.0	0.0	14.8	2.9	16.8	0.1
03	57.3	36.8	47.1	4.8	4.1	4.3	39.1	26.1	12.2	2.0	0.0	0.0	285.5	334.5	413.7	558.4	0.0	0.0	23.2	0.7	11.1	0.0
04	66.8	45.2	56.0	2.9	2.8	2.7	128.5	96.1	56.2	14.9	0.8	0.1	98.5	126.1	176.3	284.9	0.0	0.0	28.0	0.0	2.4	0.0
05	73.8	53.8	63.8	2.7	3.1	2.8	290.0	237.3	164.8	66.5	11.1	3.4	17.2	26.5	47.0	103.7	0.0	0.0	30.8	0.0	0.1	0.0
06	80.3	61.3	70.8	2.5	2.0	2.1	474.1	414.5	326.3	185.9	68.7	36.3	0.2	0.6	2.4	11.9	0.0	0.4	30.0	0.0	0.0	0.0
07	83.2	64.8	74.0	2.1	1.6	1.7	588.9	527.0	434.0	280.1	133.6	82.6	0.0	0.0	0.1	1.1	0.0	1.8	31.0	0.0	0.0	0.0
08	82.7	64.0	73.3	3.0	2.0	2.3	568.8	507.0	414.6	263.1	123.4	77.4	0.0	0.2	0.8	4.3	0.0	2.5	31.0	0.0	0.0	0.0
09	78.0	58.2	68.1	3.4	2.4	2.6	395.9	338.7	256.7	134.7	47.4	24.8	3.0	5.8	13.8	41.8	0.0	0.9	30.0	0.0	0.0	0.0
10	67.8	46.7	57.3	2.9	2.4	2.4	144.9	108.7	64.6	18.8	3.5	1.5	75.1	100.9	149.8	259.1	0.0	0.1	30.0	0.0	1.8	0.0
11	56.7	36.8	46.8	4.6	3.5	3.9	27.2	17.1	7.5	1.0	0.0	0.0	274.7	324.6	405.0	548.4	0.0	0.0	22.8	0.4	10.6	0.0
12	47.9	30.3	39.1	4.7	4.6	4.5	6.6	3.6	1.4	0.1	0.0	0.0	499.4	558.5	649.2	803.0	0.0	0.0	14.3	2.8	18.7	0.0
Summary	65.6	46.2	55.9	3.5	3.1	3.2	2672	2281	1740	967	388	226	2312	2650	3204	4257	0.0	5.7	297.1	12.4	82.6	0.6

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	5.68	12.8	8.4	3.7	1.9	3.64	5.41	7.50
02	5.77	12.3	8.4	3.8	1.5	3.19	4.57	7.78
03	6.31	12.8	9.6	4.2	2.1	4.95	6.01	7.61
04	6.26	11.6	8.3	4.1	2.0	4.25	5.54	8.14
05	5.31	11.9	7.9	3.6	1.5	3.75	4.60	6.22
06	5.76	12.5	9.1	3.8	1.8	4.48	5.44	7.21
07	6.40	12.8	9.5	4.6	2.2	4.27	5.94	8.18
08	4.75	11.0	7.2	3.1	1.5	3.71	4.37	6.13
09	4.59	8.6	5.7	2.8	1.6	2.12	4.81	6.28
10	4.09	9.1	6.1	2.5	1.3	2.17	4.03	6.08
11	5.22	10.1	7.2	3.4	1.7	3.86	4.67	6.82
12	6.82	13.0	9.1	4.5	2.4	4.26	6.30	8.24
Summary	66.96	138.5	96.5	44.1	21.5	44.65	61.69	86.19

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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	1.50	1.1	0.6	0.1	0.0	0.0	1.2	0.2	0.2	0.0	0.00	0.60	2.00
02	1.90	1.1	0.7	0.1	0.1	0.0	0.9	0.2	0.0	0.0	0.00	0.00	3.70
03	0.80	0.6	0.4	0.1	0.0	0.0	0.3	0.0	0.0	0.0	0.00	0.00	1.00
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	0.10	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
12	1.10	0.7	0.5	0.0	0.0	0.0	0.6	0.1	0.0	0.0	0.00	0.00	1.10
Summary	5.4	3.6	2.2	0.3	0.1	0.0	3.0	0.5	0.2	0.0	0.0	0.6	7.8

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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	77.1	108.5	268.5	486.3	737.8	923.9	1053.9	1033.7	842.8	538.1	245.6	114.4
45	34.3	52.0	165.5	349.4	583.2	773.9	898.9	878.7	692.8	392.0	144.3	56.8
50	12.1	20.2	89.0	227.5	432.3	623.9	743.9	723.8	543.2	257.0	70.5	22.4
55	2.7	5.7	39.1	128.5	290.0	474.1	588.9	568.8	395.9	144.9	27.2	6.6
60	0.3	1.0	12.2	56.2	164.8	326.3	434.0	414.6	256.7	64.6	7.5	1.4
Growing Degree Units for Corn (Monthly)												
50/86	36.7	58.6	151.9	284.2	454.8	621.4	734.8	711.9	547.8	313.8	134.9	55.6

Growing Degree Units (Accumulated Monthly)												
40	77	186	454	940	1678	2602	3656	4690	5532	6071	6316	6431
45	34	86	252	601	1184	1958	2857	3736	4429	4821	4965	5022
50	12	32	121	349	781	1405	2149	2873	3416	3673	3743	3766
55	3	8	48	176	466	940	1529	2098	2494	2639	2666	2672
60	0	1	14	70	234	561	995	1409	1666	1731	1738	1740
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	37	95	247	531	986	1608	2342	3054	3602	3916	4051	4106

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