

Summary of Monthly Normals
1991-2020

Generated on 06/03/2024

Current Location: Elev: 6493 ft. Lat: 35.6550° N Lon: 83.4411° W
Station: MT LECONTE, TN US USC00406328

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	33.5	17.5	25.5	4.0	5.1	4.3	0.0	0.0	0.0	0.0	0.0	0.0	914.4	976.4	1069.4	1224.4	0.0	0.0	1.4	11.6	26.2	4.3
02	35.2	19.5	27.4	3.7	5.0	4.2	0.0	0.0	0.0	0.0	0.0	0.0	774.2	830.2	914.2	1054.2	0.0	0.0	1.3	8.0	24.3	2.0
03	41.0	24.1	32.5	4.3	4.6	4.3	0.1	0.0	0.0	0.0	0.0	0.0	696.0	757.9	850.9	1005.9	0.0	0.0	7.7	4.7	22.4	0.9
04	50.2	31.7	41.0	3.0	3.2	3.0	1.9	0.4	0.0	0.0	0.0	0.0	423.4	481.9	571.5	721.5	0.0	0.0	18.9	1.2	14.6	0.0
05	56.5	40.1	48.3	3.0	2.9	2.8	11.4	3.8	0.4	0.0	0.0	0.0	219.1	273.5	363.1	517.7	0.0	0.0	26.7	0.1	5.8	0.0
06	62.5	47.1	54.8	1.9	1.8	1.6	51.7	25.5	5.4	0.3	0.0	0.0	57.7	91.5	161.4	306.3	0.0	0.0	29.9	0.0	0.3	0.0
07	65.6	50.3	58.0	2.3	1.8	1.9	106.1	60.7	16.2	0.5	0.0	0.0	14.7	31.3	79.8	219.1	0.0	0.0	31.0	0.0	0.1	0.0
08	65.0	49.3	57.1	2.2	2.1	2.0	87.9	48.4	14.1	0.3	0.0	0.0	21.2	43.7	102.5	243.7	0.0	0.0	31.0	0.0	0.0	0.0
09	60.8	44.3	52.6	3.0	2.6	2.4	27.0	10.7	1.4	0.0	0.0	0.0	100.5	144.2	224.9	373.5	0.0	0.0	29.3	0.0	1.8	0.0
10	53.5	35.8	44.6	2.4	3.0	2.3	3.1	1.2	0.2	0.0	0.0	0.0	323.9	384.1	476.1	630.9	0.0	0.0	24.6	0.4	10.4	0.0
11	43.6	26.8	35.2	3.7	3.8	3.7	0.0	0.0	0.0	0.0	0.0	0.0	594.0	654.0	744.0	894.0	0.0	0.0	9.7	2.4	19.9	0.2
12	37.0	21.4	29.2	4.2	5.1	4.5	0.0	0.0	0.0	0.0	0.0	0.0	799.8	861.8	954.8	1109.8	0.0	0.0	2.6	7.0	24.9	1.4
Summary	50.4	34.0	42.2	3.1	3.4	3.1	289	151	38	1	0	0	4939	5530	6513	8301	0.0	0.0	214.1	35.4	150.7	8.8

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	7.17	13.6	10.0	4.6	2.5	5.45	7.14	8.53	
02	5.80	12.2	9.8	4.6	1.7	3.53	5.56	6.81	
03	6.69	13.2	10.6	5.5	2.3	4.40	6.62	9.02	
04	7.53	13.5	10.9	5.3	2.4	6.09	7.12	8.66	
05	7.30	16.0	11.8	5.4	2.5	5.51	7.02	8.77	
06	8.71	16.9	13.3	6.5	2.8	6.97	8.18	10.50	
07	8.71	17.6	13.4	6.5	2.8	6.73	8.94	10.32	
08	7.53	15.5	11.9	5.7	2.4	5.33	7.44	9.35	
09	6.68	12.1	8.9	4.6	2.2	4.57	6.39	8.62	
10	5.15	10.8	7.9	3.7	1.6	2.84	4.64	7.25	
11	6.40	10.4	8.2	4.2	2.1	4.76	6.20	7.81	
12	6.82	12.7	10.2	5.1	2.8	5.29	6.50	7.92	
Summary	84.49	164.5	126.9	61.7	28.1	61.47	81.75	103.56	

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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	16.10	7.1	5.5	2.3	1.0	0.1	19.4	13.9	10.0	4.3	8.00	12.00	25.70
02	13.80	6.7	5.4	2.2	1.0	0.3	18.7	13.6	9.7	4.6	4.50	14.00	20.00
03	16.90	5.4	4.5	2.4	1.3	0.2	14.2	10.7	8.1	4.0	3.50	11.00	27.50
04	6.40	2.5	1.7	0.8	0.3	0.1	4.2	2.3	1.2	0.2	0.40	5.30	10.40
05	1.30	0.5	0.3	0.2	0.0	0.0	0.6	0.3	0.1	0.1	0.00	0.00	0.10
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	2.50	0.6	0.3	0.2	0.1	0.1	0.6	0.3	0.1	0.1	0.00	0.00	1.00
11	5.40	2.4	1.9	0.6	0.3	0.1	6.1	3.1	1.9	0.7	0.00	2.70	7.90
12	14.40	5.5	4.1	1.9	1.0	0.4	13.8	9.5	7.2	4.0	3.20	9.00	23.80
Summary	76.8	30.7	23.7	10.6	5.0	1.3	77.6	53.7	38.3	18.0	19.6	54.0	116.4

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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	5.9	7.5	33.4	125.9	278.5	444.1	556.3	531.5	378.5	191.5	43.6	13.8
45	0.6	1.0	8.9	54.8	154.7	296.7	401.4	376.6	235.6	87.2	11.0	2.0
50	0.0	0.1	1.0	15.1	60.2	158.8	248.2	223.5	109.8	23.6	1.2	0.0
55	0.0	0.0	0.1	1.9	11.4	51.7	106.1	87.9	27.0	3.1	0.0	0.0
60	0.0	0.0	0.0	0.0	0.4	5.4	16.2	14.1	1.4	0.2	0.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	0.9	1.0	11.9	58.4	118.6	200.4	270.9	255.2	169.8	84.3	15.0	1.6

Growing Degree Units (Accumulated Monthly)												
40	6	13	47	173	451	895	1452	1983	2362	2553	2597	2610
45	1	2	10	65	220	517	918	1295	1530	1618	1628	1630
50	0	0	1	16	76	235	483	707	817	840	842	842
55	0	0	0	2	13	65	171	259	286	289	289	289
60	0	0	0	0	0	6	22	36	38	38	38	38
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	1	2	14	72	191	391	662	917	1087	1171	1186	1188

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