

Summary of Monthly Normals
1991-2020

Generated on 04/26/2024

Current Location: Elev: 905 ft. Lat: 35.9067° N Lon: 85.4750° W
Station: SPARTA WASTEWATER PLANT, TN US USC00408522

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	27.8	37.5	4.3	4.7	4.4	7.0	4.0	1.4	0.1	0.0	0.0	547.7	606.8	697.2	850.9	0.0	0.0	15.3	2.9	19.9	0.3
02	51.9	29.9	40.9	4.6	4.4	4.3	10.9	7.0	3.0	0.4	0.0	0.0	405.6	457.7	537.8	675.2	0.0	0.0	18.1	1.3	16.4	0.1
03	60.7	36.7	48.7	4.5	3.7	4.0	47.1	32.5	16.9	3.8	0.3	0.0	242.4	289.7	367.1	509.1	0.0	0.0	26.5	0.3	10.7	0.0
04	70.3	45.1	57.7	3.1	3.2	3.0	157.0	121.3	76.2	25.5	4.0	1.2	76.0	100.3	145.2	244.5	0.0	0.1	29.3	0.0	2.9	0.0
05	77.9	54.5	66.2	2.9	3.1	2.8	356.7	300.8	222.3	110.9	33.7	15.7	9.5	15.6	30.2	73.7	0.0	1.2	31.0	0.0	0.0	0.0
06	84.8	63.1	73.9	2.6	1.8	1.8	568.3	508.5	418.9	272.8	140.1	94.4	0.0	0.1	0.5	4.4	0.1	7.9	30.0	0.0	0.0	0.0
07	87.9	66.7	77.3	2.2	1.9	1.9	691.2	629.2	536.3	381.4	228.7	170.3	0.0	0.0	0.0	0.1	0.3	13.9	31.0	0.0	0.0	0.0
08	87.3	65.3	76.3	2.7	2.4	2.3	660.2	598.2	505.3	350.6	201.1	146.0	0.0	0.0	0.0	0.4	0.2	11.8	31.0	0.0	0.0	0.0
09	82.1	58.6	70.4	3.1	2.5	2.3	461.7	403.3	318.5	187.9	82.0	51.0	1.4	3.0	8.1	27.5	0.0	5.1	30.0	0.0	0.0	0.0
10	71.8	45.8	58.8	2.6	3.1	2.4	180.2	140.9	90.9	33.2	7.7	3.7	62.3	85.1	128.1	225.3	0.0	0.2	30.7	0.0	2.8	0.0
11	59.9	35.8	47.8	4.5	3.3	3.5	38.4	26.1	13.4	2.8	0.2	0.0	252.8	300.5	377.8	517.2	0.0	0.0	25.2	0.2	12.0	0.0
12	50.7	30.9	40.8	4.5	3.9	4.1	11.6	7.1	2.9	0.3	0.0	0.0	451.7	509.2	598.1	750.4	0.0	0.0	18.6	1.4	18.2	0.0
Summary	69.4	46.7	58.0	3.5	3.2	3.1	3190	2779	2206	1370	698	482	2049	2368	2890	3879	0.6	40.2	316.7	6.1	82.9	0.4

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	5.09	12.7	8.2	3.5	1.4	3.66	5.13	6.44
02	5.11	12.1	8.2	3.7	1.4	2.82	4.07	6.52
03	5.63	13.2	9.2	3.8	1.5	4.21	5.25	6.72
04	5.30	12.0	8.0	3.7	1.5	3.34	5.04	7.16
05	5.03	12.2	8.4	3.5	1.2	3.21	3.98	5.76
06	5.51	12.0	8.3	3.5	1.7	2.63	5.00	8.00
07	4.83	11.8	8.1	3.5	1.5	3.73	5.01	5.66
08	4.42	9.9	6.5	2.8	1.2	3.01	3.97	5.83
09	4.02	8.2	5.6	2.7	1.3	2.42	3.91	5.04
10	3.28	8.4	5.2	2.2	0.8	1.96	2.86	4.17
11	4.45	10.0	6.5	3.1	1.4	3.44	4.22	5.31
12	6.02	12.3	8.1	4.2	1.8	4.15	5.84	7.45
Summary	58.69	134.8	90.3	40.2	16.7	38.58	54.28	74.06

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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	1.50	0.9	0.6	0.1	0.1	0.0	0.8	0.3	0.1	0.0	0.00	0.30	2.10
02	2.50	1.3	0.9	0.2	0.1	0.0	1.0	0.3	0.2	0.0	0.00	0.10	4.40
03	0.50	0.4	0.2	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.00	0.00	0.00
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
12	0.40	0.4	0.3	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.00	0.00	0.00
Summary	5.0	3.0	2.0	0.3	0.2	0.0	2.4	0.7	0.3	0.0	0.0	0.4	6.5

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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	102.3	126.8	304.0	534.2	812.2	1018.3	1156.2	1125.1	910.3	584.8	270.2	138.7
45	50.3	64.9	191.6	393.1	657.3	868.3	1001.2	970.2	760.3	436.5	164.8	73.3
50	21.1	28.8	105.0	264.0	503.8	718.3	846.2	815.2	610.5	298.1	87.6	33.0
55	7.0	10.9	47.1	157.0	356.7	568.3	691.2	660.2	461.7	180.2	38.4	11.6
60	1.4	3.0	16.9	76.2	222.3	418.9	536.3	505.3	318.5	90.9	13.4	2.9
Growing Degree Units for Corn (Monthly)												
50/86	58.7	85.3	194.7	338.3	526.3	696.9	802.0	773.7	606.1	376.9	176.3	79.2

Growing Degree Units (Accumulated Monthly)												
40	102	229	533	1067	1880	2898	4054	5179	6089	6674	6944	7083
45	50	115	307	700	1357	2226	3227	4197	4957	5394	5558	5632
50	21	50	155	419	923	1641	2487	3302	3913	4211	4299	4332
55	7	18	65	222	579	1147	1838	2498	2960	3140	3179	3190
60	1	4	21	98	320	739	1275	1780	2099	2190	2203	2206
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	59	144	339	677	1203	1900	2702	3476	4082	4459	4635	4714

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