

Summary of Monthly Normals
1991-2020

Current Location: Elev: 899 ft. Lat: 35.9297° N Lon: 83.5983° W
Station: SEVIERVILLE, TN US USC00408179

Generated on 04/28/2024

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	49.0	27.4	38.2	4.4	4.3	4.2	5.6	2.9	0.9	0.1	0.0	0.0	526.2	585.5	676.6	830.8	0.0	0.0	14.9	2.7	21.2	0.1
02	53.8	30.2	42.0	4.5	3.7	3.7	8.7	5.3	2.2	0.2	0.0	0.0	372.7	425.3	506.2	644.2	0.0	0.0	17.8	0.9	17.2	0.1
03	62.7	36.3	49.5	4.5	4.1	4.1	49.0	33.0	16.6	3.5	0.1	0.0	219.4	265.5	342.1	484.0	0.0	0.0	26.5	0.0	11.1	0.0
04	72.2	44.8	58.5	2.7	2.6	2.5	163.1	125.7	79.4	26.8	4.2	1.3	58.1	80.7	124.4	221.7	0.0	0.1	29.4	0.0	2.7	0.0
05	80.2	54.7	67.4	2.9	3.4	2.9	391.7	334.0	252.5	134.2	47.7	25.6	5.7	10.1	21.6	58.3	0.0	2.3	31.0	0.0	0.1	0.0
06	87.1	63.1	75.1	2.4	2.0	1.9	602.9	542.9	453.0	305.0	165.4	116.4	0.0	0.0	0.1	2.0	0.0	10.7	30.0	0.0	0.0	0.0
07	89.6	67.1	78.3	2.4	2.3	2.2	723.8	661.8	568.8	413.9	259.7	200.4	0.0	0.0	0.0	0.0	0.1	16.2	31.0	0.0	0.0	0.0
08	89.4	65.7	77.5	2.6	2.2	2.1	698.9	637.0	544.0	389.1	236.0	177.2	0.0	0.0	0.0	0.1	0.2	15.6	31.0	0.0	0.0	0.0
09	84.0	59.5	71.8	3.4	2.7	2.7	503.1	443.9	357.0	221.0	106.5	71.1	0.7	1.5	4.6	18.5	0.0	7.4	30.0	0.0	0.0	0.0
10	73.8	46.6	60.2	2.9	3.4	2.4	204.9	161.7	106.3	42.8	12.1	6.9	43.7	62.5	100.1	191.6	0.0	0.4	30.7	0.0	2.0	0.0
11	61.4	35.4	48.4	4.1	3.2	3.2	33.1	21.5	11.1	2.1	0.0	0.0	230.9	279.4	359.0	500.1	0.0	0.0	26.3	0.0	12.2	0.0
12	52.1	29.9	41.0	4.7	4.1	4.2	8.2	4.9	1.6	0.0	0.0	0.0	442.1	500.8	590.6	744.0	0.0	0.0	17.9	0.6	19.4	0.0
Summary	71.3	46.7	59.0	3.5	3.2	3.0	3393	2975	2393	1539	832	599	1900	2211	2725	3695	0.3	52.7	316.5	4.2	85.9	0.2

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	4.41	10.9	7.4	3.0	1.0	3.02	3.94	5.21
02	4.26	10.8	7.3	2.8	1.2	2.65	3.86	5.28
03	4.69	11.8	8.4	3.3	1.0	3.28	4.16	5.88
04	4.32	10.7	7.8	3.3	1.0	2.87	3.84	5.34
05	3.87	10.6	7.3	2.4	0.5	2.65	3.66	4.62
06	4.26	10.7	7.7	2.8	1.3	2.09	3.48	6.06
07	4.65	11.1	8.1	3.0	1.0	3.20	4.47	6.27
08	3.40	9.4	6.6	2.2	0.8	2.13	3.58	4.12
09	3.56	8.1	5.9	2.6	0.9	2.22	2.99	5.16
10	2.90	8.0	5.2	2.2	0.7	1.33	2.79	3.82
11	3.56	9.1	6.1	2.6	0.8	2.44	3.42	4.90
12	4.90	11.9	8.2	3.9	1.3	3.24	5.06	6.52
Summary	48.78	123.1	86.0	34.1	11.5	31.12	45.25	63.18

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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	0.7	0.5	0.2	0.0	0.0	1.0	0.3	0.0	0.0	0.00	0.40	2.70
02	1.00	0.6	0.3	0.1	0.0	0.0	0.5	0.3	0.0	0.0	0.00	0.00	0.90
03	0.90	0.2	0.2	0.1	0.0	0.0	0.1	0.0	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	0.00	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	0.20	0.3	0.1	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.00	0.00	0.00
Summary	3.6	1.9	1.1	0.4	0.0	0.0	1.8	0.6	0.0	0.0	0.0	0.4	3.6

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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	98.2	132.4	318.5	556.3	850.9	1052.8	1188.7	1163.9	952.3	627.0	273.8	127.4
45	46.1	66.0	201.2	411.8	696.0	902.9	1033.8	1009.0	802.4	475.7	163.4	62.5
50	18.0	26.3	110.0	278.1	541.6	752.9	878.8	853.9	652.4	331.9	82.3	24.5
55	5.6	8.7	49.0	163.1	391.7	602.9	723.8	698.9	503.1	204.9	33.1	8.2
60	0.9	2.2	16.6	79.4	252.5	453.0	568.8	544.0	357.0	106.3	11.1	1.6
Growing Degree Units for Corn (Monthly)												
50/86	62.9	97.1	213.6	354.2	558.0	713.7	813.5	791.6	634.3	404.8	185.7	85.2
Growing Degree Units (Accumulated Monthly)												
40	98	231	549	1105	1956	3009	4198	5362	6314	6941	7215	7342
45	46	112	313	725	1421	2324	3358	4367	5169	5645	5808	5871
50	18	44	154	432	974	1727	2606	3460	4112	4444	4526	4551
55	6	14	63	226	618	1221	1945	2644	3147	3352	3385	3393
60	1	3	20	99	352	805	1373	1917	2274	2381	2392	2393
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	63	160	374	728	1286	2000	2813	3605	4239	4644	4829	4915

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