

Summary of Monthly Normals
1991-2020

Generated on 04/26/2024

Current Location: Elev: 1487 ft. Lat: 36.3539° N Lon: 82.2486° W

Station: ELIZABETHTON, TN US USC00402806

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	46.2	25.5	35.9	4.1	4.5	4.2	3.3	1.5	0.5	0.0	0.0	0.0	596.9	657.0	749.1	903.5	0.0	0.0	12.7	4.0	22.0	0.3
02	50.4	28.1	39.2	4.9	4.0	4.2	5.3	3.1	1.2	0.1	0.0	0.0	446.3	500.1	582.2	721.1	0.0	0.0	15.8	1.8	18.0	0.2
03	58.9	34.2	46.6	4.7	3.8	4.1	30.6	19.0	8.0	0.9	0.0	0.0	292.5	342.9	425.0	572.8	0.0	0.0	24.2	0.6	12.9	0.1
04	69.0	41.9	55.5	3.2	2.8	2.9	117.7	86.9	49.2	12.8	1.3	0.3	104.2	133.4	185.7	299.3	0.0	0.0	28.5	0.0	4.4	0.0
05	76.6	51.8	64.2	3.3	3.6	3.3	303.5	251.0	179.1	80.0	19.0	8.0	18.3	27.8	48.9	104.9	0.0	0.4	30.9	0.0	0.2	0.0
06	82.9	59.6	71.2	2.1	1.6	1.6	487.6	428.1	339.8	198.9	79.8	44.7	0.2	0.7	2.3	11.5	0.0	2.4	30.0	0.0	0.0	0.0
07	85.5	63.5	74.5	2.5	1.9	2.0	604.4	542.5	449.5	295.1	148.7	97.2	0.0	0.0	0.0	0.6	0.0	6.1	31.0	0.0	0.0	0.0
08	85.0	62.3	73.7	2.7	1.9	2.1	578.0	516.1	423.1	269.5	127.6	80.9	0.0	0.0	0.0	1.4	0.0	5.8	31.0	0.0	0.0	0.0
09	80.1	55.6	67.9	3.3	2.7	2.7	388.5	331.2	248.9	127.9	43.4	22.4	3.1	5.7	13.5	42.4	0.0	2.6	30.0	0.0	0.0	0.0
10	70.0	44.0	57.0	2.9	3.3	2.7	143.1	107.7	64.8	21.3	4.1	1.7	81.1	107.7	157.8	269.3	0.0	0.1	30.2	0.0	2.8	0.0
11	58.5	33.3	45.9	4.5	3.2	3.6	26.9	17.5	8.0	1.5	0.1	0.0	299.8	350.4	431.0	574.4	0.0	0.0	23.7	0.3	14.4	0.0
12	49.5	28.8	39.2	4.8	4.4	4.4	6.1	3.3	1.2	0.1	0.0	0.0	497.4	556.6	647.6	801.4	0.0	0.0	15.9	2.0	19.6	0.0
Summary	67.7	44.1	55.9	3.6	3.1	3.1	2695	2308	1773	1008	424	255	2340	2682	3243	4303	0.0	17.4	303.9	8.7	94.3	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	3.78	12.5	7.9	2.6	0.7	2.42	3.39	4.66
02	3.76	12.2	8.4	2.8	0.9	2.40	3.40	4.47
03	3.97	13.1	8.3	2.6	0.7	3.02	3.62	4.97
04	3.81	11.9	8.2	2.7	0.8	2.54	3.61	5.12
05	4.43	12.7	8.6	3.7	0.9	3.65	4.32	5.06
06	5.16	13.4	9.0	3.8	1.2	3.05	4.92	6.83
07	5.86	13.5	9.5	4.4	1.5	4.68	5.37	7.40
08	4.20	11.6	7.7	2.7	0.9	2.57	3.91	5.38
09	3.00	9.0	6.0	2.3	0.7	1.86	3.12	3.71
10	2.80	8.9	5.3	1.9	0.6	1.42	2.50	4.13
11	3.36	10.2	6.3	2.0	0.8	2.13	2.88	4.70
12	3.90	12.8	8.3	2.4	0.6	2.50	3.87	5.33
Summary	48.03	141.8	93.5	33.9	10.3	32.24	44.91	61.76

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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	1.90	1.2	0.6	0.2	0.0	0.0	2.5	1.0	0.2	0.1	0.10	0.40	4.20
02	2.10	1.2	0.9	0.2	0.1	0.0	1.4	0.4	0.1	0.0	0.00	0.00	4.10
03	0.10	0.4	0.0	0.0	0.0	0.0	0.4	0.2	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	0.3	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.00	0.00	0.00
12	1.80	1.2	0.8	0.1	0.0	0.0	1.3	0.5	0.2	0.0	0.00	0.70	3.20
Summary	6.0	4.3	2.3	0.5	0.1	0.0	5.8	2.1	0.5	0.1	0.1	1.1	11.5

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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	79.9	99.9	253.8	469.3	750.2	937.4	1069.4	1043.0	835.4	530.4	225.0	110.6
45	36.3	47.5	152.1	333.8	595.7	787.4	914.4	888.0	685.4	385.0	129.8	53.3
50	13.2	18.3	76.6	214.2	444.7	637.3	759.4	732.9	535.9	253.0	66.1	20.9
55	3.3	5.3	30.6	117.7	303.5	487.6	604.4	578.0	388.5	143.1	26.9	6.1
60	0.5	1.2	8.0	49.2	179.1	339.8	449.5	423.1	248.9	64.8	8.0	1.2
Growing Degree Units for Corn (Monthly)												
50/86	50.6	70.4	165.1	299.0	476.4	626.6	734.2	709.7	541.9	335.0	155.0	67.5

Growing Degree Units (Accumulated Monthly)												
40	80	180	434	903	1653	2590	3660	4703	5538	6069	6294	6404
45	36	84	236	570	1165	1953	2867	3755	4441	4826	4955	5009
50	13	32	108	322	767	1404	2164	2897	3432	3686	3752	3772
55	3	9	39	157	460	948	1552	2130	2519	2662	2689	2695
60	0	2	10	59	238	578	1027	1450	1699	1764	1772	1773
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	51	121	286	585	1062	1688	2422	3132	3674	4009	4164	4231

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