

Summary of Monthly Normals
1991-2020

Generated on 06/04/2024

Current Location: Elev: 1720 ft. Lat: 36.1422° N Lon: 82.4261° W
Station: **ERWIN 1 W, TN US USC00402934**

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	24.5	35.9	4.1	4.4	4.1	2.9	1.4	0.6	0.0	0.0	0.0	594.8	655.3	747.6	902.0	0.0	0.0	13.8	3.4	22.3	0.3
02	50.8	26.9	38.9	4.9	3.9	4.2	5.0	2.9	1.0	0.1	0.0	0.0	457.2	511.1	593.2	732.3	0.0	0.0	16.1	1.9	19.2	0.2
03	58.7	33.0	45.8	4.8	3.8	4.1	25.4	15.8	6.5	0.8	0.0	0.0	309.0	361.4	445.2	594.5	0.0	0.0	24.3	0.4	14.1	0.0
04	68.4	40.7	54.5	2.9	2.6	2.6	99.7	71.7	38.8	9.1	0.7	0.2	113.2	145.2	202.3	322.6	0.0	0.0	28.6	0.0	4.3	0.0
05	76.2	49.8	63.0	2.8	3.6	3.0	269.6	219.0	150.4	59.4	10.4	3.4	21.6	33.0	57.4	121.4	0.0	0.2	30.9	0.0	0.5	0.0
06	82.8	58.1	70.5	2.2	1.6	1.6	463.6	404.1	316.2	177.1	64.4	33.5	0.2	0.7	2.7	13.6	0.0	3.1	30.0	0.0	0.0	0.0
07	85.4	62.2	73.8	2.5	1.9	2.0	582.7	520.7	427.8	273.4	129.3	80.1	0.0	0.0	0.0	0.7	0.0	6.1	31.0	0.0	0.0	0.0
08	84.9	61.1	73.0	2.3	2.1	2.0	557.9	495.9	403.0	249.3	109.4	64.9	0.0	0.0	0.0	1.4	0.0	5.5	31.0	0.0	0.0	0.0
09	80.2	55.0	67.6	3.1	2.7	2.5	381.3	324.1	241.8	120.5	36.2	16.8	3.4	6.2	13.8	42.6	0.0	2.5	30.0	0.0	0.0	0.0
10	69.9	43.3	56.6	2.6	3.2	2.5	132.8	99.0	58.2	16.8	3.1	1.3	83.2	111.4	163.6	277.2	0.0	0.1	30.2	0.0	2.9	0.0
11	58.9	32.5	45.7	4.6	2.9	3.5	23.3	14.9	6.7	1.1	0.0	0.0	302.2	353.8	435.7	580.0	0.0	0.0	24.0	0.2	15.1	0.0
12	50.3	28.0	39.1	5.1	4.0	4.4	6.1	3.3	1.2	0.0	0.0	0.0	497.4	556.6	647.5	801.3	0.0	0.0	17.3	1.6	19.9	0.0
Summary	67.8	42.9	55.4	3.5	3.1	3.0	2550	2173	1652	908	354	200	2382	2735	3309	4390	0.0	17.5	307.2	7.5	98.3	0.5

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	3.46	12.0	7.3	2.1	0.6	2.06	3.16	4.06
02	3.27	11.0	7.1	1.9	0.6	2.47	3.08	3.95
03	3.82	11.9	8.3	2.7	0.6	2.90	3.62	4.46
04	3.99	10.9	7.8	2.7	0.7	2.73	3.73	4.84
05	4.83	13.4	9.2	3.1	1.3	3.72	4.53	5.86
06	5.07	13.3	9.1	3.3	1.2	3.62	4.91	6.51
07	5.51	13.8	9.9	4.0	1.4	4.24	5.64	6.74
08	4.76	12.3	8.2	3.4	1.4	3.07	4.62	6.15
09	3.28	9.6	6.4	2.3	0.8	2.52	2.85	4.32
10	2.54	8.4	5.4	1.8	0.4	1.33	2.28	3.74
11	2.83	9.3	5.9	1.5	0.6	1.46	2.89	3.93
12	3.64	11.6	8.0	2.4	0.7	2.49	3.56	4.80
Summary	47.00	137.5	92.6	31.2	10.3	32.61	44.87	59.36

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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	3.40	2.3	1.4	0.4	0.1	0.0	2.4	0.7	0.3	0.0	0.00	1.40	5.10
02	2.50	1.4	0.7	0.2	0.0	0.0	1.5	0.3	0.0	0.0	0.00	0.50	4.20
03	0.90	0.9	0.5	0.1	0.0	0.0	0.8	0.2	0.1	0.1	0.00	0.00	2.00
04	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
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	0.1	0.0	0.0	0.0	0.00	0.00	0.00
12	2.40	1.2	0.8	0.3	0.1	0.0	1.3	0.5	0.2	0.0	0.00	0.00	3.20
Summary	9.3	6.0	3.4	1.0	0.2	0.0	6.1	1.7	0.6	0.1	0.0	1.9	14.5

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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	77.8	92.6	235.2	442.3	713.0	913.4	1047.7	1022.9	827.8	517.9	218.1	110.1
45	34.6	42.2	136.9	307.1	558.8	763.4	892.7	867.9	677.9	372.2	122.5	53.2
50	12.2	16.0	66.4	189.6	408.9	613.4	737.7	712.9	528.5	240.0	59.3	21.4
55	2.9	5.0	25.4	99.7	269.6	463.6	582.7	557.9	381.3	132.8	23.3	6.1
60	0.6	1.0	6.5	38.8	150.4	316.2	427.8	403.0	241.8	58.2	6.7	1.2
Growing Degree Units for Corn (Monthly)												
50/86	55.9	73.9	164.4	289.6	454.6	605.5	714.8	693.4	537.1	331.3	159.7	74.9

Growing Degree Units (Accumulated Monthly)												
40	78	170	406	848	1561	2474	3522	4545	5373	5891	6109	6219
45	35	77	214	521	1080	1843	2736	3604	4282	4654	4776	4829
50	12	28	95	284	693	1306	2044	2757	3286	3526	3585	3606
55	3	8	33	133	403	866	1449	2007	2388	2521	2544	2550
60	1	2	8	47	197	514	941	1344	1586	1644	1651	1652
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	56	130	294	584	1038	1644	2359	3052	3589	3920	4080	4155

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

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