

Summary of Monthly Normals
1991-2020

Generated on 05/23/2024

Current Location: Elev: 760 ft. Lat: 35.4922° N Lon: 86.4775° W
Station: **SHELBYVILLE WATER DEPT, TN US USC00408246**

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	49.4	28.9	39.1	3.9	4.3	4.0	9.6	5.8	2.2	0.2	0.0	0.0	500.8	558.9	648.4	801.5	0.0	0.0	15.9	2.7	19.3	0.0
02	53.8	31.7	42.7	4.4	4.3	4.2	14.4	9.0	3.8	0.5	0.0	0.0	357.3	407.9	486.7	623.5	0.0	0.0	18.5	0.9	15.5	0.1
03	62.5	38.7	50.6	4.5	4.0	4.0	63.4	45.2	24.9	6.2	0.7	0.2	199.8	243.6	316.3	452.6	0.0	0.0	26.9	0.1	9.2	0.0
04	72.0	47.1	59.5	3.0	3.1	2.9	188.6	148.9	97.3	36.5	6.8	2.5	52.1	72.4	110.8	200.1	0.0	0.0	29.5	0.0	1.7	0.0
05	79.5	56.2	67.8	2.7	3.1	2.7	402.7	344.7	261.8	141.9	52.3	28.3	4.4	8.4	18.4	53.6	0.0	1.5	31.0	0.0	0.0	0.0
06	86.4	64.3	75.4	2.7	2.1	2.1	610.4	550.4	460.6	313.0	174.2	124.5	0.0	0.0	0.2	2.6	0.1	9.1	30.0	0.0	0.0	0.0
07	89.4	68.3	78.8	2.2	1.8	1.8	739.2	677.2	584.3	429.3	274.9	214.4	0.0	0.0	0.0	0.0	0.3	16.5	31.0	0.0	0.0	0.0
08	89.0	66.6	77.8	3.1	2.6	2.6	706.7	644.7	551.7	397.0	245.1	187.1	0.0	0.0	0.0	0.3	0.4	14.8	31.0	0.0	0.0	0.0
09	83.9	59.7	71.8	3.3	2.7	2.6	504.6	445.4	357.9	223.2	109.4	73.5	0.7	1.5	4.0	19.3	0.0	6.5	30.0	0.0	0.0	0.0
10	73.4	47.9	60.6	2.9	3.0	2.5	217.7	173.3	117.2	49.2	14.0	7.6	42.5	60.2	97.0	184.1	0.0	0.4	30.7	0.0	1.8	0.0
11	61.6	37.1	49.3	4.5	3.6	3.8	46.7	31.9	17.0	4.1	0.2	0.0	216.1	261.3	336.4	473.5	0.0	0.0	25.9	0.0	10.6	0.0
12	52.4	31.7	42.0	4.3	4.3	4.1	15.9	10.0	4.7	0.7	0.0	0.0	417.3	473.4	561.1	712.1	0.0	0.0	18.5	1.1	17.5	0.0
Summary	71.1	48.2	59.6	3.5	3.2	3.1	3520	3087	2483	1602	878	638	1791	2088	2579	3523	0.8	48.8	318.9	4.8	75.6	0.1

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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	5.29	11.6	7.6	3.5	1.6	3.95	4.52	6.08	
02	5.63	11.8	8.2	3.9	1.7	2.77	3.80	8.30	
03	5.79	12.4	8.7	3.7	1.8	4.44	5.26	6.92	
04	4.99	11.1	7.5	3.5	1.4	3.37	4.77	6.50	
05	5.05	11.7	7.9	3.3	1.4	3.67	4.81	5.97	
06	5.03	11.3	7.9	3.4	1.4	3.79	5.26	6.19	
07	5.07	11.3	8.3	3.5	1.4	3.89	4.93	6.22	
08	4.24	9.3	6.2	2.9	1.4	3.03	4.29	5.29	
09	4.22	7.8	5.3	2.6	1.3	1.99	4.03	6.27	
10	3.65	8.4	5.5	2.7	1.0	2.42	3.43	4.44	
11	4.35	9.6	6.2	2.9	1.3	3.34	4.17	5.63	
12	6.05	12.1	8.8	4.5	1.9	3.95	6.12	7.51	
Summary	59.36	128.4	88.1	40.4	17.6	40.61	55.39	75.32	

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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	0.10	0.2	0.1	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.00	0.00	0.00
02	0.20	0.3	0.2	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.00	0.00	0.10
03	0.70	0.3	0.1	0.1	0.0	0.0	0.2	0.1	0.1	0.0	0.00	0.00	0.20
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
12	0.10	0.2	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.00	0.00	0.00
Summary	1.1	1.0	0.4	0.2	0.0	0.0	0.6	0.3	0.1	0.0	0.0	0.0	0.3

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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	121.2	154.1	349.7	587.7	863.3	1060.4	1204.2	1171.6	953.8	640.9	302.1	155.0
45	61.9	83.3	227.9	442.7	708.3	910.4	1049.2	1016.6	803.8	489.7	189.3	84.2
50	26.8	38.7	130.8	306.4	553.6	760.4	894.2	861.7	653.9	346.1	103.4	40.2
55	9.6	14.4	63.4	188.6	402.7	610.4	739.2	706.7	504.6	217.7	46.7	15.9
60	2.2	3.8	24.9	97.3	261.8	460.6	584.3	551.7	357.9	117.2	17.0	4.7
Growing Degree Units for Corn (Monthly)												
50/86	70.8	100.5	218.2	372.0	566.1	725.0	832.0	801.3	635.4	409.1	195.8	91.5

Growing Degree Units (Accumulated Monthly)												
40	121	275	625	1213	2076	3136	4341	5512	6466	7107	7409	7564
45	62	145	373	816	1524	2434	3484	4500	5304	5794	5983	6067
50	27	66	196	503	1056	1817	2711	3573	4226	4573	4676	4716
55	10	24	87	276	679	1289	2028	2735	3240	3457	3504	3520
60	2	6	31	128	390	851	1435	1987	2344	2462	2479	2483
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	71	171	390	762	1328	2053	2885	3686	4321	4730	4926	5018

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