

Summary of Monthly Normals
1991-2020

Generated on 04/28/2024

Current Location: Elev: 941 ft. Lat: 35.1614° N Lon: 86.0314° W

Station: WINCHESTER 5SE, TN US USC00409800

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	48.9	30.2	39.5	4.1	4.5	4.2	9.5	5.7	2.4	0.2	0.0	0.0	488.3	546.4	636.2	789.0	0.0	0.0	16.1	2.7	18.4	0.1
02	53.1	33.1	43.1	4.4	4.0	4.0	13.9	8.2	3.4	0.4	0.0	0.0	347.0	397.3	476.6	613.6	0.0	0.0	18.6	0.9	14.6	0.0
03	61.4	39.7	50.5	4.2	3.8	3.8	63.0	44.1	23.6	5.1	0.3	0.1	200.9	244.0	316.6	453.0	0.0	0.0	26.7	0.1	8.5	0.0
04	70.8	47.4	59.1	2.9	2.7	2.7	177.8	138.7	89.3	31.9	5.4	1.7	54.8	75.7	116.3	208.9	0.0	0.0	29.5	0.0	1.6	0.0
05	78.1	56.1	67.1	2.8	3.3	2.9	380.9	323.1	241.8	126.0	43.3	21.8	5.8	10.0	21.7	60.9	0.0	0.7	31.0	0.0	0.1	0.0
06	84.6	64.1	74.4	2.7	2.2	2.2	580.4	520.4	430.6	283.4	147.0	99.1	0.0	0.0	0.2	3.0	0.2	5.3	30.0	0.0	0.0	0.0
07	87.3	67.9	77.6	2.2	1.9	1.8	700.5	638.5	545.5	390.6	237.8	179.0	0.0	0.0	0.0	0.0	0.3	11.6	31.0	0.0	0.0	0.0
08	87.1	66.4	76.8	3.2	2.3	2.5	674.2	612.1	519.2	364.6	213.6	157.3	0.0	0.0	0.0	0.4	0.2	10.6	31.0	0.0	0.0	0.0
09	82.0	60.0	71.0	3.0	2.9	2.6	480.9	421.9	335.6	201.8	92.4	59.8	1.0	2.0	5.6	21.9	0.0	4.6	30.0	0.0	0.0	0.0
10	72.0	48.5	60.2	2.7	2.9	2.4	211.1	168.5	113.4	45.2	11.4	5.9	48.3	67.8	105.7	192.5	0.0	0.2	30.7	0.0	1.9	0.0
11	60.5	38.0	49.2	4.2	3.4	3.5	48.0	33.4	17.3	3.9	0.4	0.0	220.4	265.7	339.7	476.3	0.0	0.0	25.7	0.0	10.1	0.0
12	51.8	33.1	42.4	4.3	3.9	4.0	15.4	9.7	4.5	0.9	0.1	0.0	404.4	460.7	548.5	699.9	0.0	0.0	19.1	1.0	16.1	0.0
Summary	69.8	48.7	59.2	3.4	3.1	3.0	3356	2924	2327	1454	752	525	1771	2070	2567	3519	0.7	33.0	319.4	4.7	71.3	0.1

Empty or blank cells indicate data is missing or insufficient occurrences to compute value

Current Location: Elev: 941 ft. Lat: 35.1614° N Lon: 86.0314° W
Station: WINCHESTER 5SE, TN US USC00409800

Summary of Monthly Normals
1991-2020
Generated on 04/28/2024

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	4.78	11.5	7.7	3.3	1.5	3.02	4.21	6.12
02	5.40	11.9	8.5	3.5	1.7	2.75	3.77	6.45
03	5.76	12.0	8.4	3.9	1.6	3.97	5.24	8.32
04	5.06	10.8	7.8	3.6	1.4	3.61	4.66	6.26
05	4.77	11.3	7.4	3.1	1.3	2.89	4.49	6.45
06	5.20	12.1	8.4	3.4	1.5	3.69	5.31	6.25
07	4.68	11.2	8.3	3.2	1.0	3.34	4.18	6.08
08	3.91	9.7	6.5	2.7	0.9	2.66	3.54	4.55
09	4.27	7.9	6.2	3.0	1.3	2.71	3.87	5.73
10	3.43	8.0	5.7	2.1	0.9	2.23	3.45	4.36
11	4.66	9.4	6.8	3.4	1.3	3.40	4.23	5.94
12	5.75	12.4	8.8	4.1	1.9	3.94	5.48	6.51
Summary	57.67	128.2	90.5	39.3	16.3	38.21	52.43	73.02

Empty or blank cells indicate data is missing or insufficient occurrences to compute value

Current Location: Elev: 941 ft. Lat: 35.1614° N Lon: 86.0314° W
Station: WINCHESTER 5SE, TN US USC00409800

Summary of Monthly Normals
1991-2020
Generated on 04/28/2024

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	1.40	1.1	0.5	0.1	0.0	0.0	1.2	0.3	0.1	0.0	0.00	0.60	1.50
02	1.00	1.3	0.5	0.1	0.0	0.0	0.6	0.2	0.1	0.0	0.00	0.40	1.60
03	1.00	0.7	0.3	0.0	0.0	0.0	0.3	0.1	0.1	0.1	0.00	0.00	1.00
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
12	0.70	0.6	0.3	0.0	0.0	0.0	0.4	0.1	0.0	0.0	0.00	0.00	0.50
Summary	4.1	3.7	1.6	0.2	0.0	0.0	2.5	0.7	0.3	0.1	0.0	1.0	4.6

Empty or blank cells indicate data is missing or insufficient occurrences to compute value

Current Location: Elev: 941 ft. Lat: 35.1614° N Lon: 86.0314° W
Station: WINCHESTER 5SE, TN US USC00409800

Summary of Monthly Normals
1991-2020
Generated on 04/28/2024

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	126.8	159.8	348.8	574.3	840.1	1030.4	1165.5	1139.1	929.8	628.7	300.5	162.7
45	64.7	86.6	227.4	429.1	685.1	880.4	1010.5	984.1	779.9	478.0	188.2	88.3
50	28.1	39.5	131.2	294.3	530.8	730.4	855.5	829.2	630.0	335.4	102.4	41.1
55	9.5	13.9	63.0	177.8	380.9	580.4	700.5	674.2	480.9	211.1	48.0	15.4
60	2.4	3.4	23.6	89.3	241.8	430.6	545.5	519.2	335.6	113.4	17.3	4.5
Growing Degree Units for Corn (Monthly)												
50/86	66.4	92.0	205.3	355.3	549.1	710.8	816.6	790.7	622.3	396.3	183.4	85.7

Growing Degree Units (Accumulated Monthly)												
40	127	287	635	1210	2050	3080	4246	5385	6315	6943	7244	7407
45	65	151	379	808	1493	2373	3384	4368	5148	5626	5814	5902
50	28	68	199	493	1024	1754	2610	3439	4069	4404	4507	4548
55	10	23	86	264	645	1226	1926	2600	3081	3292	3340	3356
60	2	6	29	119	360	791	1337	1856	2191	2305	2322	2327
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	66	158	364	719	1268	1979	2796	3586	4208	4605	4788	4874

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86.
Empty or blank cells indicate data is missing or insufficient occurrences to compute value.