

Summary of Monthly Normals
1991-2020

Generated on 04/16/2024

Current Location: Elev: 1810 ft. Lat: 36.0147° N Lon: 85.1314° W
Station: CROSSVILLE ED & RESEARCH, TN US USC00402202

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	41.6	25.1	33.4	4.0	4.8	4.3	1.5	0.7	0.1	0.0	0.0	0.0	672.4	733.7	826.1	981.1	0.0	0.0	11.2	5.2	22.5	1.0
02	45.4	28.0	36.7	4.8	4.7	4.6	3.2	1.6	0.4	0.0	0.0	0.0	515.6	570.0	652.8	792.4	0.0	0.0	14.1	3.2	19.0	0.3
03	53.6	35.0	44.3	4.6	3.8	4.1	22.8	13.9	5.6	0.5	0.0	0.0	354.5	407.6	492.3	642.2	0.0	0.0	22.5	1.2	13.3	0.0
04	63.5	43.5	53.5	3.3	3.1	3.1	93.4	66.4	35.5	7.3	0.3	0.0	138.4	171.4	230.5	352.3	0.0	0.0	27.7	0.0	4.0	0.0
05	71.6	52.0	61.8	2.9	3.2	2.9	241.0	192.6	128.1	44.3	4.7	0.8	30.2	43.8	72.3	143.5	0.0	0.0	30.9	0.0	0.3	0.0
06	78.5	59.6	69.0	2.3	1.9	1.9	422.3	363.4	277.0	144.0	44.4	20.6	0.9	2.0	5.6	22.5	0.0	0.5	30.0	0.0	0.0	0.0
07	81.8	63.2	72.5	2.4	1.6	1.8	542.4	480.4	387.5	234.0	95.7	52.6	0.0	0.0	0.0	1.5	0.0	3.4	31.0	0.0	0.0	0.0
08	81.1	61.7	71.4	3.0	2.5	2.5	508.3	446.5	353.9	204.0	79.1	44.3	0.0	0.1	0.6	5.7	0.1	3.6	31.0	0.0	0.0	0.0
09	75.9	55.3	65.6	3.3	2.6	2.6	326.2	271.6	194.5	86.0	21.2	8.6	8.3	13.6	26.6	68.0	0.0	1.1	30.0	0.0	0.0	0.0
10	65.7	43.8	54.8	2.9	2.7	2.4	105.5	75.8	41.5	10.2	1.2	0.3	113.2	145.5	204.2	328.0	0.0	0.0	29.8	0.0	3.9	0.0
11	54.1	34.6	44.4	4.7	3.6	4.0	17.9	10.6	3.9	0.2	0.0	0.0	337.4	390.1	473.3	619.7	0.0	0.0	22.1	0.5	12.7	0.0
12	45.1	28.9	37.0	4.9	4.6	4.7	3.5	1.9	0.6	0.0	0.0	0.0	561.4	621.9	713.6	868.0	0.0	0.0	13.9	3.5	20.1	0.0
Summary	63.2	44.2	53.7	3.6	3.3	3.2	2288	1925	1429	731	247	127	2732	3100	3698	4825	0.1	8.6	294.2	13.6	95.8	1.3

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	5.49	15.2	8.9	4.1	1.6	4.04	5.25	6.85	
02	5.66	13.2	8.5	3.7	1.8	3.65	4.49	6.56	
03	6.08	14.3	9.5	4.5	1.6	4.63	5.73	7.67	
04	6.07	13.1	8.6	3.9	1.7	4.19	5.55	8.27	
05	5.35	13.6	8.7	3.5	1.5	3.44	4.51	6.85	
06	5.27	13.3	8.8	3.6	1.4	3.23	4.55	6.79	
07	5.31	12.8	8.6	3.6	1.5	3.95	5.10	6.07	
08	4.14	10.9	7.1	2.9	1.1	3.25	3.78	5.45	
09	4.28	9.6	6.1	2.8	1.1	2.71	3.57	5.79	
10	3.68	9.8	6.0	2.4	1.1	1.96	3.20	4.21	
11	4.70	11.4	6.9	3.2	1.5	3.48	4.54	5.91	
12	6.54	14.0	9.5	4.4	2.0	4.06	6.49	8.30	
Summary	62.57	151.2	97.2	42.6	17.9	42.59	56.76	78.72	

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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	3.50	4.1	1.4	0.4	0.1	0.0	5.3	2.1	0.7	0.0	1.30	1.90	4.90
02	4.40	3.2	1.5	0.4	0.2	0.0	3.9	1.3	0.7	0.2	0.30	2.60	5.60
03	2.70	1.4	0.7	0.2	0.2	0.0	1.4	0.6	0.4	0.2	0.00	0.30	2.30
04	0.20	0.1	0.1	0.0	0.0	0.0	0.1	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	0.20	0.2	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.00	0.00	0.00
12	3.10	2.4	1.0	0.2	0.1	0.0	2.7	0.6	0.3	0.0	0.30	0.90	2.80
Summary	14.1	11.4	4.8	1.2	0.6	0.0	13.5	4.6	2.1	0.4	1.9	5.7	15.6

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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	60.2	77.9	211.4	417.9	676.0	871.4	1007.4	973.3	767.8	464.8	198.1	87.9
45	25.8	33.7	122.8	288.9	522.8	721.4	852.4	818.3	618.0	324.4	110.4	40.1
50	7.9	12.1	60.5	178.8	375.3	571.5	697.4	663.3	469.6	201.1	51.6	13.9
55	1.5	3.2	22.8	93.4	241.0	422.3	542.4	508.3	326.2	105.5	17.9	3.5
60	0.1	0.4	5.6	35.5	128.1	277.0	387.5	353.9	194.5	41.5	3.9	0.6
Growing Degree Units for Corn (Monthly)												
50/86	23.3	38.0	111.9	235.2	405.6	573.0	691.3	656.8	485.0	273.8	107.5	37.2

Growing Degree Units (Accumulated Monthly)												
40	60	138	350	767	1443	2315	3322	4296	5063	5528	5726	5814
45	26	60	182	471	994	1715	2568	3386	4004	4328	4439	4479
50	8	20	80	259	635	1206	1904	2567	3036	3238	3289	3303
55	2	5	28	121	362	784	1327	1835	2161	2267	2284	2288
60	0	0	6	42	170	447	834	1188	1383	1424	1428	1429
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	23	61	173	408	814	1387	2078	2735	3220	3494	3601	3639

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