

Summary of Monthly Normals
1991-2020

Generated on 04/24/2024

Current Location: Elev: 1090 ft. Lat: 36.1075° N Lon: 85.5033° W

Station: COOKEVILLE, TN US USC00402009

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	47.1	27.0	37.0	4.2	5.0	4.4	6.7	3.8	1.6	0.1	0.0	0.0	563.0	622.0	712.8	866.5	0.0	0.0	13.5	4.3	22.2	0.4
02	51.4	29.0	40.2	4.7	4.2	4.3	8.4	5.1	2.1	0.2	0.0	0.0	422.7	475.5	556.5	694.6	0.0	0.0	16.0	2.0	19.2	0.2
03	60.0	35.4	47.7	4.7	3.4	3.9	40.2	27.5	14.1	3.0	0.3	0.1	266.5	315.7	395.4	539.3	0.0	0.0	24.3	0.3	13.9	0.0
04	69.8	43.2	56.5	3.2	2.9	2.9	135.2	102.7	61.8	17.5	1.6	0.4	90.1	117.6	166.8	272.5	0.0	0.0	28.8	0.0	4.2	0.0
05	77.5	53.3	65.4	2.9	3.1	2.8	334.4	280.0	205.3	100.1	28.8	12.9	12.0	19.6	37.9	87.7	0.0	0.6	31.0	0.0	0.1	0.0
06	84.3	61.9	73.1	2.5	2.0	2.0	543.0	483.2	394.2	250.2	121.7	79.4	0.1	0.3	1.3	7.2	0.1	4.7	30.0	0.0	0.0	0.0
07	87.3	66.1	76.7	2.2	1.9	1.9	672.6	610.6	517.6	362.8	211.3	154.4	0.0	0.0	0.0	0.2	0.2	9.6	31.0	0.0	0.0	0.0
08	86.9	64.2	75.5	2.9	2.3	2.4	637.0	574.9	482.0	328.1	181.2	128.8	0.0	0.0	0.0	1.1	0.2	9.4	31.0	0.0	0.0	0.0
09	81.9	57.4	69.7	3.3	2.5	2.5	441.5	383.6	299.3	172.2	73.5	45.2	2.2	4.2	9.9	32.7	0.0	4.4	30.0	0.0	0.0	0.0
10	71.9	45.0	58.4	3.1	3.3	2.7	172.7	135.0	87.3	32.5	8.4	4.4	65.8	89.9	135.3	235.5	0.0	0.4	30.2	0.0	3.3	0.0
11	60.4	35.1	47.7	4.8	3.6	3.8	35.9	24.0	11.8	2.6	0.2	0.0	253.2	301.4	379.2	520.0	0.0	0.0	24.7	0.1	13.9	0.0
12	50.9	30.3	40.6	4.7	4.1	4.2	10.5	6.4	2.5	0.2	0.0	0.0	456.9	514.7	603.9	756.6	0.0	0.0	17.1	1.9	20.2	0.0
Summary	69.1	45.7	57.4	3.6	3.2	3.1	3038	2637	2080	1270	627	426	2132	2461	2999	4014	0.5	29.1	307.6	8.6	97.0	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	5.29	13.0	8.5	3.6	1.5	4.12	4.74	6.91	
02	5.48	12.2	8.2	3.6	1.8	3.30	4.52	7.01	
03	5.46	13.2	9.1	3.8	1.5	3.88	5.56	6.52	
04	5.35	11.6	7.9	3.5	1.6	3.98	4.98	6.82	
05	5.15	12.3	8.2	3.2	1.4	3.74	4.68	5.68	
06	5.45	12.3	8.3	3.5	1.4	3.64	4.50	6.01	
07	5.69	11.8	7.8	3.6	1.9	4.18	5.33	7.12	
08	3.93	9.7	6.2	2.7	1.0	2.18	3.55	4.96	
09	4.47	8.5	5.6	2.3	1.4	2.25	3.98	6.92	
10	3.35	8.9	6.1	2.4	0.8	2.03	2.76	4.20	
11	4.30	10.4	6.5	3.2	1.1	3.27	4.10	5.01	
12	6.10	13.3	9.0	4.0	1.8	4.37	6.06	8.01	
Summary	60.02	137.2	91.4	39.4	17.2	40.94	54.76	75.17	

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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	2.30	1.5	0.6	0.3	0.0	0.0					0.00	1.00	3.00
02	1.80	1.6	0.8	0.2	0.0	0.0					0.00	0.50	3.70
03	0.90	0.7	0.3	0.0	0.0	0.0					0.00	0.00	1.00
04	0.00	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					0.00	0.00	0.00
06	0.00	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					0.00	0.00	0.00
08	0.00	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					0.00	0.00	0.00
10	0.00	0.0	0.0	0.0	0.0	0.0					0.00	0.00	0.00
11	0.10	0.0	0.0	0.0	0.0	0.0					0.00	0.00	0.00
12	1.00	1.1	0.3	0.0	0.0	0.0					0.00	0.00	0.80
Summary	6.1	4.9	2.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	8.5

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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	99.7	119.4	278.2	499.9	787.3	992.8	1137.5	1101.9	889.3	574.3	267.8	135.8
45	49.0	60.1	169.9	360.9	632.5	842.9	982.6	946.9	739.3	426.1	162.0	71.0
50	20.9	25.4	91.1	236.1	479.4	692.9	827.6	792.0	589.7	288.4	83.8	31.8
55	6.7	8.4	40.2	135.2	334.4	543.0	672.6	637.0	441.5	172.7	35.9	10.5
60	1.6	2.1	14.1	61.8	205.3	394.2	517.6	482.0	299.3	87.3	11.8	2.5
Growing Degree Units for Corn (Monthly)												
50/86	59.8	83.1	184.6	320.6	506.3	673.5	788.4	752.3	584.6	372.0	181.9	82.5

Growing Degree Units (Accumulated Monthly)												
40	100	219	497	997	1784	2777	3915	5017	5906	6480	6748	6884
45	49	109	279	640	1272	2115	3098	4045	4784	5210	5372	5443
50	21	46	137	374	853	1546	2373	3165	3755	4044	4127	4159
55	7	15	55	190	525	1068	1740	2378	2819	2992	3028	3038
60	2	4	18	80	285	679	1197	1679	1978	2065	2077	2080
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	60	143	328	648	1154	1828	2616	3369	3953	4325	4507	4590

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