

Summary of Monthly Normals
1991-2020

Generated on 06/03/2024

Current Location: Elev: 1690 ft. Lat: 36.4258° N Lon: 84.9419° W

Station: JAMESTOWN, TN US USC00404590

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	44.6	24.9	34.7	4.6	4.8	4.5	3.6	1.7	0.2	0.0	0.0	0.0	631.1	691.2	782.8	937.4	0.0	0.0	11.7	5.6	23.0	1.0
02	48.6	27.3	37.9	4.6	4.2	4.2	6.9	4.1	1.6	0.2	0.0	0.0	484.2	537.5	619.0	757.5	0.0	0.0	14.3	3.7	20.6	0.3
03	57.8	34.2	46.0	4.8	3.9	4.2	33.2	22.3	10.8	1.6	0.0	0.0	312.3	363.4	444.8	590.6	0.0	0.0	23.4	0.7	14.5	0.0
04	67.5	42.2	54.8	3.2	2.3	2.7	112.1	83.4	48.4	13.6	1.8	0.6	116.5	147.9	202.9	318.0	0.0	0.0	28.1	0.0	5.2	0.0
05	74.7	52.5	63.6	2.8	3.1	2.8	289.8	238.4	167.9	71.7	14.3	5.2	23.2	33.8	56.3	115.2	0.0	0.0	30.9	0.0	0.5	0.0
06	81.8	60.4	71.1	1.9	2.1	1.7	483.1	423.2	334.0	191.6	76.4	43.4	0.2	0.3	1.1	8.8	0.1	1.2	30.0	0.0	0.0	0.0
07	84.3	63.9	74.1	2.4	1.8	1.9	592.0	530.0	437.0	283.4	140.0	90.0	0.0	0.0	0.0	1.4	0.1	3.2	31.0	0.0	0.0	0.0
08	84.0	63.1	73.5	2.7	2.9	2.5	574.9	512.9	420.2	267.2	128.6	83.0	0.0	0.0	0.3	2.3	0.1	3.2	31.0	0.0	0.0	0.0
09	78.1	55.9	67.0	3.2	2.5	2.4	364.7	308.8	229.0	113.9	37.2	19.6	4.8	8.9	19.1	54.1	0.0	0.9	30.0	0.0	0.0	0.0
10	68.8	43.7	56.2	2.5	2.8	2.3	127.1	93.5	53.2	15.9	3.1	1.4	88.3	116.8	169.4	287.2	0.0	0.2	29.9	0.0	3.8	0.0
11	57.3	34.0	45.6	4.8	3.4	3.7	19.7	12.4	5.1	0.8	0.0	0.0	300.2	352.9	435.6	581.1	0.0	0.0	23.7	0.6	14.7	0.0
12	48.0	28.3	38.2	4.9	4.7	4.6	7.5	4.5	1.0	0.1	0.0	0.0	529.8	588.7	678.3	832.3	0.0	0.0	14.9	2.6	20.8	0.0
Summary	66.3	44.2	55.2	3.5	3.2	3.1	2615	2235	1708	960	401	243	2491	2841	3410	4486	0.3	8.7	298.9	13.2	103.1	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	5.03	13.8	8.6	3.8	1.2	3.92	4.82	6.42	
02	4.86	12.7	8.4	3.0	1.3	2.83	3.72	6.23	
03	5.52	13.3	9.5	4.1	1.4	3.52	5.35	7.36	
04	5.46	12.2	9.0	3.8	1.8	3.69	5.89	7.19	
05	5.31	12.7	9.2	3.7	1.5	4.09	4.81	5.83	
06	5.52	12.4	8.8	3.8	1.7	3.49	5.03	7.19	
07	5.29	11.6	8.4	4.3	1.8	4.17	5.22	6.51	
08	4.64	9.8	6.9	3.3	1.1	3.23	4.24	5.52	
09	4.00	9.0	6.0	2.7	1.2	2.06	3.27	5.67	
10	3.18	8.9	6.0	2.2	0.7	1.83	2.62	4.02	
11	4.11	10.3	6.8	2.9	1.1	3.02	3.73	5.16	
12	6.26	13.7	9.3	4.0	1.7	4.34	5.77	7.98	
Summary	59.18	140.4	96.9	41.6	16.5	40.19	54.47	75.08	

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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	3.20	3.5	1.7	0.5	0.2	0.0					0.50	1.90	5.50
02	5.70	3.0	1.5	0.5	0.2	0.0					0.60	2.80	9.40
03	4.80	1.9	1.3	0.4	0.2	0.1					0.40	3.10	4.30
04	0.10	0.2	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	0.30	0.4	0.1	0.0	0.0	0.0					0.00	0.00	0.10
12	4.80	2.5	1.5	0.2	0.0	0.0					1.60	3.50	5.40
Summary	18.9	11.5	6.1	1.6	0.6	0.1	0.0	0.0	0.0	0.0	3.1	11.3	24.7

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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	79.4	95.8	239.9	454.3	731.6	932.8	1056.9	1039.7	809.8	506.8	216.1	103.2
45	36.6	46.4	143.5	319.9	577.9	782.8	902.0	884.8	659.9	361.7	118.5	50.7
50	13.3	18.9	74.6	203.4	429.2	632.9	747.0	729.9	511.0	231.1	53.4	21.5
55	3.6	6.9	33.2	112.1	289.8	483.1	592.0	574.9	364.7	127.1	19.7	7.5
60	0.2	1.6	10.8	48.4	167.9	334.0	437.0	420.2	229.0	53.2	5.1	1.0
Growing Degree Units for Corn (Monthly)												
50/86	42.0	63.0	156.2	286.6	458.8	627.1	731.0	713.6	520.7	317.1	139.1	57.3

Growing Degree Units (Accumulated Monthly)												
40	79	175	415	869	1601	2534	3591	4630	5440	5947	6163	6266
45	37	83	226	546	1124	1907	2809	3694	4354	4715	4834	4885
50	13	32	107	310	739	1372	2119	2849	3360	3591	3645	3666
55	4	10	44	156	446	929	1521	2096	2460	2587	2607	2615
60	0	2	13	61	229	563	1000	1420	1649	1702	1707	1708
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	42	105	261	548	1007	1634	2365	3078	3599	3916	4055	4112

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