

Summary of Monthly Normals
1991-2020

Generated on 05/22/2024

Current Location: Elev: 487 ft. Lat: 36.3661° N Lon: 85.6553° W
Station: **GAINESBORO, TN US USC00403370**

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	47.3	23.6	35.4	4.7	4.8	4.6	4.4	2.4	0.6	0.1	0.0	0.0	610.2	670.1	761.5	915.9	0.0	0.0	12.8	4.2	23.6	0.8
02	53.3	26.8	40.0	5.1	3.9	4.3	9.6	6.1	2.8	0.5	0.0	0.0	428.2	480.7	561.4	699.1	0.0	0.0	15.7	1.8	19.7	0.1
03	62.1	33.3	47.7	4.6	3.6	3.9	43.1	29.8	15.7	3.3	0.3	0.0	269.4	318.1	397.0	539.6	0.0	0.0	25.0	0.4	14.8	0.0
04	72.7	41.4	57.1	3.0	2.7	2.7	151.3	117.4	75.0	25.5	4.1	1.1	89.8	115.9	163.5	264.0	0.0	0.1	28.9	0.0	5.2	0.0
05	80.5	51.7	66.1	2.8	3.3	2.8	352.6	297.1	220.0	113.1	38.5	20.3	8.5	15.0	31.0	79.0	0.0	1.6	31.0	0.0	0.1	0.0
06	87.3	60.4	73.8	2.2	1.9	1.8	565.4	505.4	415.9	270.4	140.3	96.6	0.0	0.0	0.4	5.0	0.1	9.4	30.0	0.0	0.0	0.0
07	89.9	64.9	77.4	2.2	2.2	1.9	694.3	632.3	539.3	384.6	233.1	175.5	0.0	0.0	0.0	0.2	0.3	16.1	31.0	0.0	0.0	0.0
08	89.5	63.3	76.4	2.7	2.7	2.3	663.3	601.3	508.4	354.2	206.2	151.8	0.0	0.0	0.1	0.9	0.3	13.9	31.0	0.0	0.0	0.0
09	83.8	55.7	69.8	3.4	2.6	2.6	444.8	386.4	301.4	174.8	77.4	48.6	2.4	4.0	9.0	32.4	0.1	6.7	30.0	0.0	0.0	0.0
10	73.6	43.3	58.4	2.7	2.9	2.2	171.8	133.5	84.6	29.6	7.6	3.9	64.9	88.6	132.7	232.7	0.0	0.5	30.3	0.0	3.3	0.0
11	61.1	32.8	46.9	4.6	3.1	3.4	27.0	17.1	7.7	0.9	0.0	0.0	268.4	318.6	399.1	542.4	0.0	0.0	24.7	0.2	15.4	0.0
12	51.3	26.5	38.9	4.3	4.0	4.0	7.2	4.3	1.5	0.1	0.0	0.0	506.2	565.3	655.6	809.1	0.0	0.0	16.0	1.8	21.9	0.0
Summary	71.0	43.6	57.3	3.5	3.1	3.0	3135	2733	2173	1357	708	498	2248	2576	3111	4120	0.8	48.3	306.4	8.4	104.0	0.9

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	4.79	11.0	7.7	3.8	1.5	3.80	4.48	5.83
02	4.95	10.5	7.4	3.2	1.2	3.06	4.26	6.57
03	5.27	12.1	9.3	4.3	1.2	4.12	4.92	6.10
04	4.74	11.1	7.7	3.3	1.5	3.67	4.57	6.17
05	5.46	11.7	8.2	3.9	1.5	3.59	5.03	7.08
06	5.52	10.5	7.6	3.4	1.6	3.68	5.25	6.59
07	4.95	9.1	7.5	3.6	1.3	3.82	5.02	6.20
08	4.07	7.3	5.1	2.5	1.0	3.11	3.74	4.83
09	3.43	8.0	5.6	2.5	1.2	1.48	3.57	4.84
10	3.67	8.5	6.2	3.1	1.1	2.25	3.20	4.90
11	3.88	9.6	6.9	3.1	1.0	2.90	3.82	4.43
12	5.77	10.9	8.2	3.9	1.5	4.00	5.65	6.80
Summary	56.50	120.3	87.4	40.6	15.6	39.48	53.51	70.34

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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	2.50	1.0	0.6	0.3	0.1	0.0	0.7	0.3	0.2	0.0	0.00	0.00	5.00
02	0.80	0.7	0.5	0.0	0.0	0.0	0.7	0.2	0.1	0.0	0.00	0.00	1.00
03	0.70	0.3	0.3	0.1	0.0	0.0	0.3	0.2	0.1	0.0	0.00	0.00	0.00
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	0.60	0.3	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.00	0.00	0.10
Summary	4.6	2.3	1.6	0.4	0.1	0.0	1.8	0.7	0.4	0.0	0.0	0.0	6.1

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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	78.2	116.2	278.5	516.2	809.1	1015.3	1159.2	1128.1	892.3	573.7	244.4	109.4
45	37.7	59.9	172.0	378.4	654.1	865.4	1004.3	973.2	742.4	425.9	142.5	55.0
50	15.8	26.4	93.0	254.2	500.0	715.4	849.3	818.3	592.8	288.4	70.6	23.3
55	4.4	9.6	43.1	151.3	352.6	565.4	694.3	663.3	444.8	171.8	27.0	7.2
60	0.6	2.8	15.7	75.0	220.0	415.9	539.3	508.4	301.4	84.6	7.7	1.5
Growing Degree Units for Corn (Monthly)												
50/86	60.4	99.4	207.4	354.9	527.3	671.7	779.9	750.3	582.8	383.8	184.7	84.1

Growing Degree Units (Accumulated Monthly)												
40	78	194	473	989	1798	2814	3973	5101	5993	6567	6811	6921
45	38	98	270	648	1302	2168	3172	4145	4887	5313	5456	5511
50	16	42	135	389	889	1605	2454	3272	3865	4154	4224	4248
55	4	14	57	208	561	1126	1821	2484	2929	3101	3128	3135
60	1	3	19	94	314	730	1269	1778	2079	2164	2171	2173
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	60	160	367	722	1249	1921	2701	3451	4034	4418	4603	4687

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