U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data, and Information Service

National Centers for Environmental Information
151 Patton Avenue
Asheville, North Carolina 28801

Summary of Monthly Normals
1981-2010

Generated on 03/28/2024

Current Location: Elev: 540 ft. Lat: 34.7441° N Lon: 87.5997° W

Station: **MUSCLE SHOALS REGIONAL AIRPORT, AL US USW00013896**

Temperature (°F)

	Mean						Cooling Degree Days Base (above)						Heating Degree Days Base (above)				Mean Number of Days					
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	50.7	31.3	41.0	4.2	4.3	4.1	14	9	4	-7777	-7777	-7777	448	505	593	744	0.0	0.0	16.8	1.3	17.1	0.1
02	55.4	35.0	45.2	3.7	3.2	3.2	22	14	6	1	-7777	0	296	344	420	555	0.0	0.0	18.9	0.5	11.5	0.0
03	64.4	42.0	53.2	3.5	2.6	2.8	90	66	38	12	2	1	146	184	249	378	0.0	0.0	28.2	-7777	4.3	0.0
04	73.3	49.5	61.4	3.3	3.1	2.9	227	182	124	52	12	5	35	50	82	160	0.0	0.3	29.7	0.0	0.5	0.0
05	80.9	58.7	69.8	2.7	2.9	2.5	459	399	311	179	78	50	1	2	7	30	0.0	2.4	31.0	0.0	0.0	0.0
06	87.8	66.3	77.0	3.1	1.8	2.0	661	601	512	362	219	165	-7777	-7777	-7777	1	0.1	11.6	30.0	0.0	0.0	0.0
07	90.8	70.0	80.4	2.6	1.5	1.8	787	725	632	477	323	261	0	0	0	0	0.6	18.2	31.0	0.0	0.0	0.0
08	90.9	68.8	79.8	3.5	1.9	2.5	770	708	615	460	307	246	0	0	0	0	1.6	17.9	31.0	0.0	0.0	0.0
09	84.7	61.6	73.2	2.8	2.2	2.1	545	485	398	259	138	98	-7777	1	4	15	0.2	6.3	30.0	0.0	0.0	0.0
10	74.3	49.8	62.1	3.0	3.7	2.8	247	200	138	62	18	9	28	43	75	153	0.0	0.2	30.9	0.0	0.9	0.0
11	63.3	40.9	52.1	3.4	3.1	2.9	71	50	27	7	1	-7777	158	197	264	394	0.0	0.0	26.8	0.0	6.6	0.0
12	52.8	33.8	43.3	4.5	4.5	4.4	20	13	6	1	-7777	-7777	383	438	524	674	0.0	0.0	18.1	1.0	14.4	0.1
Summary	72.4	50.6	61.5	3.4	2.9	2.8	3913	3452	2811	1872	1098	835	1495	1764	2218	3104	2.5	56.9	322.4	2.8	55.3	0.2

-7777: a non-zero value that would round to zero

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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	4.61	9.8	6.5	2.7	1.3	2.57	3.86	6.72
02	4.66	10.6	7.0	2.9	1.1	3.03	4.02	6.27
03	4.76	10.1	6.8	3.4	1.2	3.30	4.38	6.19
04	4.35	9.5	6.8	3.1	1.3	2.64	4.14	4.84
05	5.12	11.3	7.3	3.5	1.7	2.99	5.22	6.70
06	4.76	10.3	6.8	3.1	1.5	2.80	3.83	5.69
07	4.30	10.2	7.0	2.7	1.1	2.71	3.82	5.85
08	3.15	7.6	5.1	1.8	0.9	2.13	3.26	4.37
09	3.72	7.7	5.2	2.5	1.2	2.33	3.66	5.30
10	3.43	8.2	5.3	2.3	0.8	1.52	3.12	4.98
11	4.66	9.0	6.4	3.3	1.5	3.28	4.84	6.10
12	5.68	10.6	7.3	3.6	1.7	3.34	4.78	6.25
Summary	53.20	114.9	77.5	34.9	15.3	32.64	48.93	69.26

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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	0.4	0.4	0.2	0.0	0.0	0.0	1.1	0.4	0.2	0.0	0.0	0.0	0.8
02	1.0	0.6	0.4	0.1	0.1	0.0	1.1	0.3	0.1	0.0	0.0	0.0	1.0
03	0.4	0.2	0.2	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0
04	-7777	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
09	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.4	0.4	0.1	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.5
Summary	2.2	1.7	0.9	0.1	0.1	0.0	2.7	0.8	0.4	0.0	0.0	0.0	2.3

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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	142	194	417	642	924	1111	1252	1235	994	684	372	178
45	73	110	282	495	769	961	1097	1080	844	530	247	98
50	35	54	171	353	614	811	942	925	694	382	145	48
55	14	22	90	227	459	661	787	770	545	247	71	20
60	4	6	38	124	311	512	632	615	398	138	27	6
Growing Degree Units for Corn (Monthly)												
50/86	81	113	247	399	609	762	860	839	669	435	222	98

Growing Degree Units (Accumulated Monthly)

40	142	336	753	1395	2319	3430	4682	5917	6911	7595	7967	8145
45	73	183	465	960	1729	2690	3787	4867	5711	6241	6488	6586
50	35	89	260	613	1227	2038	2980	3905	4599	4981	5126	5174
55	14	36	126	353	812	1473	2260	3030	3575	3822	3893	3913
60	4	10	48	172	483	995	1627	2242	2640	2778	2805	2811
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	81	194	441	840	1449	2211	3071	3910	4579	5014	5236	5334

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

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