

Summary of Monthly Normals
1991-2020

Generated on 05/08/2024

Current Location: Elev: 540 ft. Lat: 34.7442° N Lon: 87.5997° W
Station: MUSCLE SHOALS RGNL AP, AL US USW00013896

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	52.4	33.5	42.9	4.0	4.4	4.1	19.6	12.8	6.1	0.8	0.1	0.0	392.9	448.2	534.5	684.3	0.0	0.0	18.2	1.4	16.5	0.0
02	56.7	36.7	46.7	4.3	3.9	4.0	30.0	20.2	10.0	2.1	0.1	0.0	262.3	308.6	382.3	514.4	0.0	0.0	19.9	0.3	12.0	0.0
03	65.2	43.5	54.4	4.2	3.5	3.7	107.4	80.3	48.6	16.4	2.7	1.1	127.6	162.4	223.8	346.6	0.0	0.0	28.2	0.0	4.8	0.0
04	74.4	51.5	62.9	3.0	3.0	2.8	261.7	213.9	149.9	68.2	19.4	9.5	23.2	35.4	61.4	129.7	0.0	0.2	29.8	0.0	0.2	0.0
05	82.1	60.6	71.3	2.4	2.7	2.3	507.1	445.9	356.7	218.8	106.8	71.9	0.3	1.1	4.9	22.0	0.0	4.0	31.0	0.0	0.0	0.0
06	88.9	67.9	78.4	2.5	1.7	1.9	701.9	641.9	551.9	402.1	255.3	199.5	0.0	0.0	0.0	0.2	0.3	14.8	30.0	0.0	0.0	0.0
07	91.6	71.4	81.5	2.6	1.9	2.0	821.4	759.4	666.5	511.5	356.7	295.2	0.0	0.0	0.0	0.0	0.9	20.4	31.0	0.0	0.0	0.0
08	91.2	69.9	80.5	3.2	2.0	2.4	791.9	729.9	637.0	482.0	327.9	267.3	0.0	0.0	0.0	0.0	1.6	18.8	31.0	0.0	0.0	0.0
09	86.1	63.3	74.7	3.5	2.3	2.6	591.0	531.2	442.0	298.4	169.9	125.4	0.1	0.3	1.1	7.5	0.3	9.3	30.0	0.0	0.0	0.0
10	75.7	51.5	63.6	2.9	2.9	2.3	289.8	239.5	172.3	84.0	29.6	17.4	23.2	34.8	60.7	127.4	0.1	1.1	30.9	0.0	0.8	0.0
11	63.8	41.2	52.5	3.8	3.3	3.3	74.9	53.3	29.9	9.2	1.6	0.4	149.8	188.2	254.8	384.2	0.0	0.0	27.1	0.0	7.2	0.0
12	55.0	36.1	45.6	3.9	3.8	3.7	28.4	19.3	10.0	2.5	0.2	0.0	321.2	374.2	457.9	605.4	0.0	0.0	20.4	0.4	14.0	0.0
Summary	73.6	52.3	62.9	3.4	2.9	2.9	4225	3748	3081	2096	1270	988	1301	1553	1981	2822	3.2	68.6	327.5	2.1	55.5	0.0

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	4.71	10.2	6.9	3.0	1.5	3.11	4.30	6.18	
02	4.79	11.3	7.1	3.1	1.2	2.69	3.22	6.13	
03	5.14	11.0	7.7	3.9	1.3	3.58	4.67	6.58	
04	4.80	10.0	7.1	3.3	1.6	3.55	4.52	6.33	
05	4.55	11.0	7.0	3.4	1.3	2.89	4.77	5.49	
06	5.05	10.7	6.8	3.3	1.4	3.16	4.44	7.14	
07	4.78	10.9	7.2	3.2	1.5	3.45	4.81	5.84	
08	3.77	9.3	6.1	2.3	1.1	2.50	3.87	5.18	
09	3.55	7.0	4.6	2.3	1.2	2.47	3.59	4.71	
10	3.47	8.1	5.2	2.4	0.9	1.82	2.99	4.92	
11	4.15	8.8	5.7	2.8	1.2	2.82	4.08	5.20	
12	5.48	11.0	7.5	3.9	1.5	4.18	5.04	6.47	
Summary	54.24	119.3	78.9	36.9	15.7	36.22	50.30	70.17	

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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	177.4	225.5	451.7	688.7	971.8	1151.8	1286.4	1256.9	1040.8	732.0	383.9	217.5
45	97.3	133.1	313.7	540.3	816.8	1001.8	1131.4	1101.9	890.8	577.9	255.6	125.7
50	47.4	68.3	196.3	395.3	661.8	851.9	976.4	946.9	740.8	428.2	150.0	64.6
55	19.6	30.0	107.4	261.7	507.1	701.9	821.4	791.9	591.0	289.8	74.9	28.4
60	6.1	10.0	48.6	149.9	356.7	551.9	666.5	637.0	442.0	172.3	29.9	10.0
Growing Degree Units for Corn (Monthly)												
50/86	97.5	129.3	265.3	431.1	647.8	790.9	883.5	858.3	701.0	468.1	232.0	118.5

Growing Degree Units (Accumulated Monthly)												
40	177	403	855	1543	2515	3667	4953	6210	7251	7983	8367	8584
45	97	230	544	1084	1901	2903	4034	5136	6027	6605	6861	6986
50	47	116	312	707	1369	2221	3197	4144	4885	5313	5463	5528
55	20	50	157	419	926	1628	2449	3241	3832	4122	4197	4225
60	6	16	65	215	571	1123	1790	2427	2869	3041	3071	3081
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	98	227	492	923	1571	2362	3245	4104	4805	5273	5505	5623

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