

Summary of Monthly Normals
1991-2020
Generated on 06/03/2024

Current Location: Elev: 830 ft. Lat: 34.5100° N Lon: 87.7319° W
Station: **RUSSELLVILLE #2, AL US USC00017131**

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	51.1	31.7	41.4	4.0	4.6	4.2	17.2	11.0	4.9	0.8	0.0	0.0	438.6	494.4	581.3	732.3	0.0	0.0	17.6	2.2	18.7	0.0	
02	55.9	34.2	45.0	4.5	4.3	4.3	23.9	15.5	7.6	1.9	0.2	0.0	302.5	350.1	426.2	560.4	0.0	0.0	19.2	0.8	15.0	0.1	
03	64.7	40.3	52.5	4.5	4.1	4.1	90.2	66.4	38.7	12.5	1.7	0.5	167.7	205.9	271.2	400.0	0.0	0.0	27.7	0.1	8.6	0.0	
04	73.2	48.6	60.9	3.3	3.0	3.0	219.0	176.0	120.5	52.6	14.2	6.8	42.0	59.0	93.5	175.5	0.0	0.1	29.7	0.0	1.8	0.0	
05	80.9	57.5	69.2	2.5	3.2	2.7	442.1	383.0	298.9	174.9	78.9	49.7	1.9	4.8	13.7	44.7	0.0	2.5	31.0	0.0	0.0	0.0	
06	88.0	65.7	76.8	3.0	2.0	2.1	655.4	595.4	505.5	357.1	215.8	163.6	0.0	0.0	0.1	1.7	0.1	11.8	30.0	0.0	0.0	0.0	
07	90.9	69.8	80.3	2.2	1.4	1.6	785.8	723.8	630.8	475.8	321.1	260.1	0.0	0.0	0.0	0.0	0.4	18.0	31.0	0.0	0.0	0.0	
08	90.5	68.8	79.6	3.7	2.2	2.8	764.0	702.0	609.0	454.2	300.9	241.6	0.0	0.0	0.0	0.1	1.2	16.4	31.0	0.0	0.0	0.0	
09	85.4	61.8	73.6	3.1	2.5	2.4	558.3	498.8	410.7	271.1	149.3	107.6	0.4	0.9	2.9	13.2	0.0	7.6	30.0	0.0	0.0	0.0	
10	74.8	50.1	62.4	3.0	3.6	2.7	265.9	219.1	155.9	74.4	25.8	15.5	35.0	50.1	80.0	153.4	0.0	0.4	30.8	0.0	1.2	0.0	
11	63.0	39.8	51.4	3.9	4.1	3.6	68.5	49.4	28.5	8.8	1.6	0.5	176.4	217.3	286.4	416.7	0.0	0.0	26.8	0.0	9.3	0.0	
12	54.0	34.3	44.1	3.7	4.0	3.7	24.6	16.4	8.3	2.3	0.3	0.1	360.9	414.6	499.5	648.6	0.0	0.0	19.4	0.7	16.0	0.0	
Summary	72.7	50.2	61.4	3.4	3.2	3.1	3915	3457	2819	1886	1110	846	1525	1797	2255	3147	1.7	56.8	324.2	3.8	70.6	0.1	

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	5.00	9.2	6.7	3.9	1.7	3.08	3.84	6.84
02	5.08	8.8	7.0	3.7	1.5	2.43	3.99	6.70
03	5.43	9.0	7.2	3.9	1.9	3.51	4.95	6.84
04	5.12	8.0	6.6	3.9	2.1	3.69	4.89	5.57
05	5.38	8.3	6.8	3.3	1.8	3.70	4.75	6.95
06	3.82	8.1	6.2	3.2	1.3	2.48	3.92	4.93
07	4.48	8.7	7.0	3.7	1.9	3.51	3.98	4.89
08	4.66	7.3	5.7	2.9	1.5	3.24	4.75	5.78
09	3.99	6.0	4.6	2.5	1.3	1.62	3.88	5.50
10	3.76	6.3	4.9	2.8	1.5	1.95	3.55	4.95
11	4.54	7.7	5.7	2.9	1.6	2.93	4.23	6.36
12	5.44	8.7	7.1	3.6	1.7	4.02	4.89	6.16
Summary	56.70	96.1	75.5	40.3	19.8	36.16	51.62	71.47

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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	0.30	0.2	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.00	0.00	0.00
02	0.20	0.2	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.00	0.00	0.00
03	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.00	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
Summary	0.6	0.6	0.3	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0

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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	157.7	197.0	403.3	627.7	905.2	1105.3	1250.7	1229.0	1007.8	696.9	356.3	196.7
45	85.3	113.8	274.9	481.5	750.2	955.4	1095.8	1074.0	857.9	543.9	234.2	113.3
50	41.9	57.3	169.5	342.8	595.3	805.3	940.7	919.0	707.8	398.1	137.1	57.6
55	17.2	23.9	90.2	219.0	442.1	655.4	785.8	764.0	558.3	265.9	68.5	24.6
60	4.9	7.6	38.7	120.5	298.9	505.5	630.8	609.0	410.7	155.9	28.5	8.3
Growing Degree Units for Corn (Monthly)												
50/86	88.8	120.5	254.7	396.7	595.1	752.1	858.4	838.8	675.9	444.4	218.6	111.9

Growing Degree Units (Accumulated Monthly)												
40	158	355	758	1386	2291	3396	4647	5876	6884	7581	7937	8134
45	85	199	474	956	1706	2661	3757	4831	5689	6233	6467	6580
50	42	99	269	612	1207	2012	2953	3872	4580	4978	5115	5172
55	17	41	131	350	792	1448	2234	2998	3556	3822	3890	3915
60	5	12	51	172	471	976	1607	2216	2627	2782	2811	2819
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	89	209	464	861	1456	2208	3066	3905	4581	5025	5244	5356

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