

Summary of Monthly Normals
1991-2020

Generated on 05/23/2024

Current Location: Elev: 3064 ft. Lat: 38.9617° N Lon: 101.1664° W
Station: **RUSSELL SPRINGS 3N, KS US USC00147050**

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	43.5	16.0	29.7	5.2	2.8	3.7	0.1	0.0	0.0	0.0	0.0	0.0	782.8	844.8	937.7	1092.7	0.0	0.0	11.7	6.7	30.8	1.9
02	46.8	18.0	32.4	7.2	3.9	5.2	1.4	0.6	0.1	0.0	0.0	0.0	634.0	689.2	772.7	912.6	0.0	0.0	11.8	5.9	27.2	1.6
03	57.2	25.8	41.5	5.1	3.6	3.9	12.8	7.9	3.4	0.6	0.0	0.0	431.5	488.5	577.0	729.2	0.0	0.1	22.8	1.4	23.2	0.4
04	65.9	34.9	50.4	3.7	2.8	2.8	56.0	37.9	18.9	3.6	0.4	0.1	193.9	235.8	306.8	441.6	0.0	0.8	26.2	0.1	10.0	0.0
05	75.4	46.0	60.7	4.0	2.1	2.7	225.6	182.7	126.4	56.5	19.2	10.9	48.9	67.9	104.6	189.7	0.4	4.1	30.2	0.0	1.4	0.0
06	87.4	57.0	72.2	4.1	2.5	3.2	517.4	458.8	372.9	240.8	131.6	96.7	1.6	3.0	7.1	24.9	4.3	14.8	30.0	0.0	0.0	0.0
07	92.8	63.2	78.0	3.1	2.1	2.4	712.6	650.7	558.0	404.8	257.3	202.8	0.0	0.0	0.4	2.1	8.3	22.3	31.0	0.0	0.0	0.0
08	89.9	61.0	75.5	3.2	2.1	2.5	633.8	571.9	479.3	327.7	190.0	142.5	0.0	0.1	0.5	3.9	4.1	17.9	31.0	0.0	0.0	0.0
09	82.0	51.9	66.9	4.0	3.1	3.2	372.5	319.4	244.0	138.8	63.3	42.1	14.3	21.0	35.7	80.4	1.0	9.4	29.7	0.0	0.1	0.0
10	68.9	37.6	53.2	4.4	2.8	3.1	98.7	73.0	43.6	14.3	3.5	1.7	152.7	189.1	252.8	378.4	0.0	1.4	28.0	0.5	7.7	0.0
11	54.9	25.0	39.9	6.0	3.6	4.4	6.4	3.5	1.3	0.2	0.0	0.0	457.9	514.9	602.8	751.7	0.0	0.0	20.5	1.9	23.4	0.1
12	44.3	16.9	30.6	4.6	2.9	3.3	0.1	0.1	0.0	0.0	0.0	0.0	756.2	818.2	911.0	1066.1	0.0	0.0	11.9	6.0	30.4	1.3
Summary	67.4	37.8	52.6	4.5	2.9	3.4	2637	2306	1848	1187	665	497	3474	3872	4509	5673	18.1	70.8	284.8	22.5	154.2	5.3

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	0.31	2.8	0.8	0.1	0.0	0.13	0.26	0.43	
02	0.54	3.7	1.5	0.3	0.1	0.19	0.42	0.79	
03	0.86	4.6	2.0	0.6	0.2	0.27	0.76	1.32	
04	1.83	7.1	3.8	1.1	0.4	0.74	1.67	2.38	
05	2.66	8.9	4.6	1.7	0.4	1.46	2.40	3.35	
06	2.34	8.0	4.9	1.4	0.4	1.64	2.11	2.93	
07	3.00	8.2	5.0	1.6	0.6	1.63	2.42	3.36	
08	2.56	8.4	4.8	1.6	0.7	1.86	2.71	3.21	
09	1.58	5.7	2.9	1.2	0.5	0.42	1.00	2.68	
10	1.37	6.0	3.0	0.9	0.2	0.27	0.79	2.59	
11	0.60	3.0	1.0	0.3	0.0	0.08	0.24	0.89	
12	0.54	3.2	1.2	0.2	0.0	0.12	0.33	0.71	
Summary	18.19	69.6	35.5	11.0	3.5	8.81	15.11	24.64	

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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	3.50	2.6	1.2	0.4	0.2	0.0	4.9	2.8	1.8	0.2	1.90	2.70	4.30
02	5.70	3.7	2.1	0.6	0.3	0.0	6.4	2.9	1.3	0.0	3.50	6.40	7.40
03	2.70	2.1	0.9	0.2	0.1	0.0	1.6	0.6	0.2	0.0	0.50	1.50	3.30
04	1.60	1.0	0.4	0.1	0.1	0.0	0.5	0.0	0.0	0.0	0.00	0.40	2.70
05	0.60	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.00	0.00	0.00
06	0.00	0.1	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	0.90	0.6	0.4	0.0	0.0	0.0	0.5	0.2	0.0	0.0	0.00	0.00	0.90
11	2.40	1.4	0.9	0.2	0.1	0.0	1.6	0.7	0.0	0.0	0.20	1.00	4.00
12	4.90	3.1	1.8	0.5	0.3	0.0	4.8	1.5	0.4	0.0	1.50	4.50	6.30
Summary	22.3	14.7	7.8	2.0	1.1	0.0	20.4	8.7	3.7	0.2	7.6	16.5	28.9

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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	21.6	42.6	157.7	336.8	642.3	965.8	1177.8	1098.8	808.6	430.1	122.2	22.9
45	5.0	16.7	83.5	216.8	490.9	815.8	1022.7	943.8	659.8	297.8	59.8	5.9
50	0.6	5.7	36.6	121.8	349.4	665.8	867.6	788.8	513.1	185.5	23.7	1.3
55	0.1	1.4	12.8	56.0	225.6	517.4	712.6	633.8	372.5	98.7	6.4	0.1
60	0.0	0.1	3.4	18.9	126.4	372.9	558.0	479.3	244.0	43.6	1.3	0.0
Growing Degree Units for Corn (Monthly)												
50/86	45.4	65.7	160.3	252.0	403.1	602.1	747.2	701.2	509.4	303.3	128.0	46.4

Growing Degree Units (Accumulated Monthly)												
40	22	64	222	559	1201	2167	3345	4443	5252	5682	5804	5827
45	5	22	105	322	813	1629	2651	3595	4255	4553	4613	4618
50	1	6	43	165	514	1180	2048	2836	3349	3535	3559	3560
55	0	2	14	70	296	813	1526	2160	2532	2631	2637	2637
60	0	0	4	22	149	522	1080	1559	1803	1847	1848	1848
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	45	111	271	523	926	1529	2276	2977	3486	3790	3918	3964

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

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