

Summary of Monthly Normals
1981-2010

Generated on 05/23/2024

Current Location: Elev: 1864 ft. Lat: 38.8761° N Lon: 98.8092° W
Station: **RUSSELL MUNICIPAL AIRPORT, KS US USW00093997**

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	41.5	18.4	30.0	6.0	3.9	4.6	-7777	-7777	0	0	0	0	777	838	931	1086	0.0	0.0	8.9	8.3	29.3	1.6
02	45.6	22.0	33.8	6.8	4.7	5.4	2	1	-7777	-7777	0	0	595	650	734	873	0.0	0.0	11.0	5.0	23.4	1.3
03	56.0	31.0	43.5	4.8	3.8	3.8	23	15	7	1	-7777	0	380	434	519	668	0.0	-7777	20.7	1.2	16.7	0.1
04	66.1	40.8	53.5	4.8	2.8	3.7	99	75	47	18	5	3	145	182	244	364	-7777	0.5	26.7	-7777	4.9	0.0
05	75.3	52.0	63.6	3.5	2.6	2.8	287	236	169	83	30	18	19	30	56	125	0.1	2.1	30.9	0.0	0.2	0.0
06	86.1	62.0	74.1	3.8	2.6	3.1	572	512	425	285	164	123	-7777	1	3	13	1.4	10.3	30.0	0.0	0.0	0.0
07	92.1	67.2	79.7	2.9	2.0	2.3	764	702	609	454	304	247	0	0	-7777	-7777	4.7	19.2	31.0	0.0	0.0	0.0
08	89.7	65.9	77.8	3.8	2.5	3.0	707	645	552	399	255	203	-7777	-7777	-7777	2	3.3	16.2	31.0	0.0	0.0	0.0
09	81.1	56.3	68.7	3.3	2.4	2.7	422	367	289	176	91	65	11	16	28	65	0.3	6.2	29.7	0.0	0.1	0.0
10	68.3	43.4	55.9	3.8	2.4	2.6	134	103	65	25	8	5	108	138	194	309	0.0	0.7	29.0	0.1	3.1	0.0
11	54.2	30.1	42.1	5.5	3.4	4.0	16	10	5	1	-7777	-7777	401	456	540	686	0.0	0.0	18.9	1.5	17.8	0.0
12	42.0	20.1	31.0	6.1	4.9	5.2	-7777	-7777	0	0	0	0	743	804	897	1052	0.0	0.0	9.3	6.8	28.5	1.3
Summary	66.5	42.4	54.5	4.6	3.2	3.6	3026	2666	2168	1442	857	664	3179	3549	4146	5243	9.8	55.2	277.1	22.9	124.0	4.3

-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	0.54	4.3	1.5	0.3	-7777	0.25	0.44	0.79
02	0.82	5.7	2.1	0.4	0.2	0.25	0.67	1.24
03	1.92	7.1	3.6	1.3	0.5	0.95	1.59	2.81
04	2.62	8.7	5.0	1.9	0.6	1.88	2.43	2.91
05	3.68	11.0	6.9	2.6	0.8	1.78	3.01	4.92
06	3.58	9.5	6.0	2.2	1.0	2.27	3.39	4.42
07	3.78	9.0	5.8	2.4	1.2	1.64	3.04	4.76
08	2.86	8.0	5.5	2.0	0.7	1.82	2.70	3.95
09	2.25	6.7	3.9	1.4	0.5	1.31	2.12	3.00
10	1.57	6.9	3.2	0.9	0.4	0.60	1.06	2.24
11	1.09	4.8	2.2	0.5	-7777	0.31	0.80	1.12
12	0.82	4.4	1.9	0.4	-7777	0.14	0.33	1.18
Summary	25.53	86.1	47.6	16.3	5.9	13.20	21.58	33.34

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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	5.7	3.4	1.9	0.4	0.3	0.1	8.7	4.8	3.4	0.9	1.0	4.7	8.7
02	3.7	2.4	1.1	0.6	0.2	0.0	5.8	4.0	2.5	0.5	0.5	2.5	5.4
03	3.9	1.9	1.2	0.6	0.1	0.1	2.5	1.2	0.4	0.1	0.0	3.5	5.5
04	0.6	0.5	0.3	0.1	0.0	0.0	0.5	0.1	0.1	0.0	0.0	0.0	1.0
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	0.3	0.1	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
11	1.9	1.3	0.9	0.1	0.1	0.0	1.7	0.9	0.6	0.0	0.0	1.0	3.5
12	4.1	2.5	1.6	0.4	0.1	0.0	6.5	2.0	0.7	0.0	2.3	3.2	4.8
Summary	20.2	12.1	7.1	2.3	0.8	0.2	25.8	13.0	7.7	1.5	3.8	14.9	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	26	57	197	414	733	1022	1229	1172	861	498	159	26
45	7	24	113	285	579	871	1074	1017	712	357	89	7
50	1	7	56	177	427	721	919	862	565	233	42	1
55	-7777	2	23	99	287	572	764	707	422	134	16	-7777
60	0	-7777	7	47	169	425	609	552	289	65	5	0
Growing Degree Units for Corn (Monthly)												
50/86	36	56	146	259	450	669	809	775	550	307	117	32

Growing Degree Units (Accumulated Monthly)												
40	26	83	280	694	1427	2449	3678	4850	5711	6209	6368	6394
45	7	31	144	429	1008	1879	2953	3970	4682	5039	5128	5135
50	1	8	64	241	668	1389	2308	3170	3735	3968	4010	4011
55	0	2	25	124	411	983	1747	2454	2876	3010	3026	3026
60	0	0	7	54	223	648	1257	1809	2098	2163	2168	2168
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	36	92	238	497	947	1616	2425	3200	3750	4057	4174	4206

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