

Summary of Monthly Normals
1991-2020

Generated on 05/20/2024

Current Location: Elev: 730 ft. Lat: 38.4508° N Lon: 91.3753° W
Station: ROSEBUD, MO US USC00237300

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	39.8	18.0	28.9	4.0	4.6	4.1	1.2	0.7	0.3	0.0	0.0	0.0	810.0	871.5	964.1	1118.9	0.0	0.0	7.7	9.2	26.8	2.4
02	45.0	21.1	33.0	5.2	4.9	4.9	3.8	2.2	0.9	0.1	0.0	0.0	618.3	672.7	755.4	894.7	0.0	0.0	10.0	5.8	23.5	1.1
03	55.0	29.9	42.4	4.9	4.6	4.6	28.2	19.9	10.5	2.2	0.2	0.0	417.3	470.9	554.6	701.3	0.0	0.0	19.3	1.4	18.3	0.3
04	66.3	39.6	52.9	3.5	3.2	3.2	94.8	71.8	43.7	14.0	2.1	0.6	156.3	193.3	255.3	375.5	0.0	0.0	27.6	0.0	7.0	0.0
05	74.6	50.2	62.4	3.1	3.5	3.1	257.3	209.7	146.2	65.7	18.7	9.2	27.9	42.3	71.8	146.3	0.0	0.4	30.7	0.0	0.7	0.0
06	82.8	59.5	71.1	2.7	2.5	2.3	485.0	425.8	338.7	204.6	95.6	62.6	0.6	1.4	4.4	20.2	0.1	4.5	30.0	0.0	0.0	0.0
07	87.4	63.5	75.5	3.0	2.6	2.4	633.8	571.8	478.8	325.9	185.6	136.4	0.0	0.0	0.0	2.1	0.8	12.1	31.0	0.0	0.0	0.0
08	86.6	61.3	73.9	3.1	3.0	2.8	587.3	525.4	433.0	283.9	153.4	109.9	0.0	0.1	0.8	6.6	0.6	10.4	31.0	0.0	0.0	0.0
09	79.3	52.3	65.8	3.2	3.5	3.0	335.9	283.1	209.7	110.8	44.0	26.4	12.0	19.2	35.8	86.8	0.0	3.2	30.0	0.0	0.3	0.0
10	68.1	41.0	54.5	3.1	2.5	2.3	112.6	85.3	52.7	19.0	5.0	2.5	126.6	161.3	221.7	343.0	0.0	0.1	29.3	0.0	5.1	0.0
11	55.0	30.5	42.7	5.4	3.7	4.3	20.6	13.4	6.4	1.4	0.0	0.0	388.0	440.8	523.8	668.9	0.0	0.0	20.0	0.8	16.7	0.0
12	43.9	22.3	33.1	4.3	4.1	4.0	2.3	1.1	0.4	0.0	0.0	0.0	681.1	741.9	834.1	988.8	0.0	0.0	10.2	5.8	25.6	0.7
Summary	65.3	40.8	53.0	3.8	3.6	3.4	2563	2210	1721	1028	505	348	3238	3615	4222	5353	1.5	30.7	276.8	23.0	124.0	4.5

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	2.69	8.1	4.8	1.6	0.6	1.49	2.47	3.43
02	2.40	8.3	5.0	1.6	0.7	1.32	2.27	3.26
03	3.67	11.2	7.3	2.7	0.9	2.81	3.46	4.25
04	4.84	11.5	7.5	3.6	1.3	3.35	4.16	5.71
05	5.58	12.7	8.3	3.5	1.6	3.72	5.16	6.59
06	4.48	10.7	7.2	3.0	1.4	3.16	4.31	5.77
07	3.94	8.8	6.0	2.9	1.1	2.04	2.95	5.18
08	3.94	8.2	5.4	2.5	1.3	2.55	3.74	4.92
09	4.01	8.0	5.4	2.7	1.2	1.95	3.34	5.02
10	3.37	8.8	5.7	2.3	0.8	2.03	2.59	4.14
11	3.58	8.5	6.1	2.5	0.9	1.48	3.55	4.87
12	2.69	8.8	4.9	1.5	0.6	1.45	2.38	3.09
Summary	45.19	113.6	73.6	30.4	12.4	27.35	40.38	56.23

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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	4.20	3.4	1.6	0.4	0.1	0.0	7.1	2.8	1.0	0.0	1.70	4.00	6.20
02	3.50	2.6	1.4	0.2	0.1	0.0	3.7	1.4	0.4	0.0	1.10	2.10	3.70
03	1.70	1.0	0.5	0.2	0.0	0.0	1.1	0.3	0.1	0.0	0.00	0.40	2.30
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	1.50	0.8	0.4	0.2	0.1	0.0	0.6	0.2	0.0	0.0	0.00	0.30	1.30
12	3.30	2.6	1.1	0.4	0.1	0.0	4.2	2.2	0.7	0.0	0.50	2.20	5.30
Summary	14.2	10.4	5.0	1.4	0.4	0.0	16.7	6.9	2.2	0.0	3.3	9.0	18.8

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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	31.0	56.6	178.6	401.3	694.4	934.3	1098.8	1052.2	773.9	457.9	173.0	49.6
45	12.2	27.9	105.2	275.3	540.4	784.4	943.8	897.3	624.5	319.7	96.4	21.9
50	4.3	11.5	57.7	171.1	392.0	634.4	788.9	742.3	476.9	203.3	48.5	8.1
55	1.2	3.8	28.2	94.8	257.3	485.0	633.8	587.3	335.9	112.6	20.6	2.3
60	0.3	0.9	10.5	43.7	146.2	338.7	478.8	433.0	209.7	52.7	6.4	0.4
Growing Degree Units for Corn (Monthly)												
50/86	27.8	51.1	133.7	266.0	437.1	621.5	740.0	698.7	504.5	302.4	124.8	39.5
Growing Degree Units (Accumulated Monthly)												
40	31	88	266	668	1362	2296	3395	4447	5221	5679	5852	5902
45	12	40	145	421	961	1745	2689	3586	4211	4531	4627	4649
50	4	16	74	245	637	1271	2060	2802	3279	3482	3531	3539
55	1	5	33	128	385	870	1504	2091	2427	2540	2560	2563
60	0	1	12	55	202	540	1019	1452	1662	1714	1721	1721
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	28	79	213	479	916	1537	2277	2976	3480	3783	3908	3947

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