

Summary of Monthly Normals
1991-2020

Generated on 05/23/2024

Current Location: Elev: 1833 ft. Lat: 48.8811° N Lon: 99.5861° W
Station: **ROLLA 1NE, ND US USC00327664**

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	15.2	-3.4	5.9	6.7	6.8	6.6	0.0	0.0	0.0	0.0	0.0	0.0	1521.9	1583.9	1676.9	1832.0	0.0	0.0	0.2	26.9	30.9	18.0
02	18.6	0.0	9.3	7.4	7.9	7.6	0.0	0.0	0.0	0.0	0.0	0.0	1279.4	1335.4	1419.4	1559.5	0.0	0.0	0.4	22.0	27.8	13.1
03	30.0	11.5	20.8	5.9	6.2	6.0	0.1	0.0	0.0	0.0	0.0	0.0	1061.7	1123.6	1216.7	1371.7	0.0	0.0	2.0	17.0	29.9	5.7
04	47.6	24.9	36.3	5.6	4.1	4.8	3.8	2.0	0.7	0.1	0.0	0.0	566.5	624.6	713.3	862.6	0.0	0.0	13.8	3.7	20.5	0.3
05	61.8	38.0	49.9	3.6	2.8	3.0	52.5	35.7	17.8	4.0	0.5	0.1	210.7	256.0	331.0	472.2	0.0	0.1	26.5	0.3	6.1	0.0
06	70.2	49.3	59.8	3.5	2.2	2.7	176.3	134.2	82.6	27.2	5.2	2.6	34.0	51.9	90.2	184.7	0.0	0.1	29.4	0.0	0.2	0.0
07	74.6	54.1	64.4	3.4	2.0	2.6	294.5	237.5	159.4	62.8	15.3	7.0	4.7	9.7	24.6	83.0	0.0	0.6	31.0	0.0	0.0	0.0
08	74.7	51.7	63.2	3.0	2.4	2.5	265.8	212.2	139.6	52.3	13.0	6.5	11.8	20.2	40.6	108.2	0.0	0.7	30.9	0.0	0.0	0.0
09	65.1	42.6	53.8	3.2	2.9	2.8	86.4	62.6	35.5	9.3	1.5	0.5	121.1	157.3	220.1	343.8	0.0	0.1	28.1	0.0	2.0	0.0
10	50.0	29.4	39.7	4.7	3.8	4.1	10.2	6.8	3.2	0.6	0.0	0.0	484.5	543.2	632.5	784.9	0.0	0.0	15.6	2.8	17.5	0.1
11	32.6	15.6	24.1	6.5	5.7	6.0	0.0	0.0	0.0	0.0	0.0	0.0	926.9	986.9	1076.9	1226.9	0.0	0.0	2.7	15.6	28.6	2.8
12	19.6	2.9	11.3	7.1	6.7	6.8	0.0	0.0	0.0	0.0	0.0	0.0	1356.0	1418.0	1511.1	1666.1	0.0	0.0	0.1	25.3	30.8	12.1
Summary	46.7	26.4	36.5	5.1	4.5	4.6	890	691	439	156	36	17	7579	8111	8953	10496	0.0	1.6	180.7	113.6	194.3	52.1

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	0.37	6.1	1.4	0.1	0.0	0.26	0.34	0.50	
02	0.43	4.6	1.3	0.0	0.0	0.16	0.42	0.57	
03	0.70	4.5	1.4	0.2	0.2	0.31	0.56	1.04	
04	1.09	5.1	2.7	0.5	0.2	0.52	0.96	1.34	
05	2.86	9.8	6.6	1.9	0.6	2.03	2.63	3.45	
06	3.73	11.2	7.9	2.7	0.7	2.76	3.77	4.47	
07	3.33	8.4	5.6	2.5	0.9	2.31	3.11	4.40	
08	2.72	8.4	5.8	1.4	0.5	1.49	2.39	3.70	
09	1.74	7.1	3.9	0.8	0.2	0.88	1.39	2.13	
10	1.21	5.6	2.9	0.6	0.2	0.44	1.12	1.59	
11	0.79	6.0	2.5	0.3	0.1	0.22	0.53	1.23	
12	0.67	6.1	1.6	0.1	0.0	0.37	0.54	0.89	
Summary	19.64	82.9	43.6	11.1	3.6	11.75	17.76	25.31	

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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	0.1	0.3	5.1	82.8	333.0	592.4	754.7	718.9	420.9	124.2	13.0	0.1
45	0.0	0.0	0.9	38.5	212.4	444.0	599.7	564.1	284.3	62.0	4.2	0.0
50	0.0	0.0	0.3	14.5	115.9	301.6	444.9	411.1	169.4	26.4	0.7	0.0
55	0.0	0.0	0.1	3.8	52.5	176.3	294.5	265.8	86.4	10.2	0.0	0.0
60	0.0	0.0	0.0	0.7	17.8	82.6	159.4	139.6	35.5	3.2	0.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	0.1	0.4	5.0	64.2	201.2	337.6	453.2	430.9	239.8	80.6	10.3	0.0

Growing Degree Units (Accumulated Monthly)												
40	0	0	6	88	421	1014	1768	2487	2908	3032	3045	3046
45	0	0	1	39	252	696	1296	1860	2144	2206	2210	2210
50	0	0	0	15	131	432	877	1288	1458	1484	1485	1485
55	0	0	0	4	56	233	527	793	879	890	890	890
60	0	0	0	1	18	101	260	400	436	439	439	439
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	0	0	6	70	271	608	1062	1493	1732	1813	1823	1823

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

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