

Summary of Monthly Normals
1981-2010

Generated on 04/28/2024

Current Location: Elev: 2205 ft. Lat: 48.5722° N Lon: 102.6466° W

Station: POWERS LAKE 1 N, ND US USC00327281

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	17.9	-2.9	7.5	8.0	8.6	8.2	0	0	0	0	0	0	1472	1534	1627	1782	0.0	0.0	0.0	24.2	31.0	16.0
02	22.9	2.6	12.7	7.8	8.4	8.0	0	0	0	0	0	0	1183	1239	1323	1463	0.0	0.0	0.4	19.0	28.0	11.1
03	35.0	15.0	25.0	6.5	6.9	6.5	-7777	-7777	-7777	0	0	0	930	992	1085	1240	0.0	0.0	4.2	12.0	29.5	4.9
04	53.7	27.7	40.7	5.1	3.3	4.0	13	8	4	1	-7777	-7777	442	497	583	730	0.0	0.1	18.5	1.8	20.6	0.3
05	65.5	39.3	52.4	3.6	3.1	3.1	78	56	31	10	2	1	159	199	267	400	0.0	0.5	27.8	-7777	6.5	0.0
06	73.3	49.0	61.2	4.3	3.0	3.5	213	170	115	52	19	12	29	45	80	167	0.1	1.6	29.8	0.0	0.2	0.0
07	79.8	53.9	66.9	4.0	2.4	3.0	370	311	227	113	42	25	2	5	14	56	0.3	3.5	31.0	0.0	0.0	0.0
08	79.5	51.5	65.5	4.1	2.9	3.4	336	281	205	103	40	25	11	18	35	88	0.2	4.1	30.9	0.0	0.2	0.0
09	68.0	40.3	54.2	4.6	2.4	3.3	103	78	48	18	4	2	129	163	223	343	-7777	1.2	28.0	-7777	4.6	0.0
10	52.7	28.0	40.4	4.3	3.2	3.2	10	6	2	-7777	-7777	0	464	522	611	765	0.0	0.1	17.7	2.2	20.3	0.3
11	35.0	14.7	24.9	7.2	5.7	6.2	-7777	-7777	0	0	0	0	905	964	1054	1204	0.0	0.0	4.5	12.0	28.6	3.8
12	20.7	0.6	10.6	7.2	7.2	7.1	0	0	0	0	0	0	1374	1437	1530	1685	0.0	0.0	0.1	23.3	31.0	13.8
Summary	50.3	26.6	38.5	5.6	4.8	5.0	1123	910	632	297	107	65	7100	7615	8432	9923	0.6	11.1	192.9	94.5	200.5	50.2

-7777: a non-zero value that would round to zero

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	0.44	4.1	1.4	0.1	0.0	0.20	0.38	0.56	
02	0.29	3.7	0.8	0.1	0.0	0.15	0.26	0.31	
03	0.58	4.9	2.0	0.2	0.0	0.29	0.47	0.67	
04	0.90	6.4	2.7	0.4	0.0	0.43	0.81	1.39	
05	2.18	8.6	5.9	1.0	0.3	1.07	1.88	2.86	
06	2.70	11.4	7.1	1.7	0.4	1.56	2.19	3.96	
07	3.07	9.8	6.4	1.9	0.9	1.74	2.95	3.77	
08	1.73	7.9	4.3	1.0	0.2	0.78	1.77	2.13	
09	1.35	7.1	3.8	0.5	0.2	0.84	1.25	1.69	
10	1.16	5.8	3.3	0.8	0.2	0.58	0.98	1.48	
11	0.48	4.4	2.0	0.2	0.1	0.13	0.44	0.72	
12	0.44	4.4	1.1	0.0	0.0	0.19	0.41	0.58	
Summary	15.32	78.5	40.8	7.9	2.3	7.96	13.79	20.12	

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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	6.8	3.8	3.1	0.6	0.2	0.1	28.3	20.2	13.4	5.2	3.3	4.5	7.8
02	2.9	2.5	2.0	0.2	-7777	-7777	19.3	14.5	10.3	3.3	1.0	2.8	4.8
03	5.1	2.3	2.1	0.7	0.2	0.0	14.0	9.1	5.7	2.3	1.0	4.1	7.0
04	2.9	1.0	0.9	0.5	0.3	0.1	2.4	1.4	0.8	0.2	0.0	1.0	4.6
05	0.7	0.2	0.2	0.1	-7777	0.0	0.6	0.3	0.1	0.0	0.0	0.0	0.0
06	-7777	-7777	-7777	0.0	0.0	0.0	-7777	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	0.4	0.1	0.1	-7777	0.0	0.0	0.1	-7777	0.0	0.0	0.0	0.0	0.0
10	2.5	1.2	1.1	0.4	0.3	0.0	3.0	1.8	0.8	0.3	0.0	1.0	5.0
11	5.0	2.6	2.2	0.7	0.3	0.0	13.6	7.7	5.4	0.9	1.0	3.2	9.1
12	4.6	3.5	2.1	0.5	0.3	0.0	20.3	13.6	6.6	0.2	2.0	4.0	5.7
Summary	30.9	17.2	13.8	3.7	1.6	0.2	101.6	68.6	43.1	12.4	8.3	20.6	44.0

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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	-7777	-7777	14	137	398	635	832	790	433	136	15	-7777
45	0	-7777	4	74	269	486	677	636	301	70	6	0
50	0	-7777	1	34	160	342	522	483	188	30	2	0
55	0	0	-7777	13	78	213	370	336	103	10	-7777	0
60	0	0	-7777	4	31	115	227	205	48	2	0	0
Growing Degree Units for Corn (Monthly)												
50/86	-7777	1	14	112	253	378	521	494	277	109	16	-7777

Growing Degree Units (Accumulated Monthly)												
40	0	0	14	151	549	1184	2016	2806	3239	3375	3390	3390
45	0	0	4	78	347	833	1510	2146	2447	2517	2523	2523
50	0	0	1	35	195	537	1059	1542	1730	1760	1762	1762
55	0	0	0	13	91	304	674	1010	1113	1123	1123	1123
60	0	0	0	4	35	150	377	582	630	632	632	632
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	0	1	15	127	380	758	1279	1773	2050	2159	2175	2175

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