

Summary of Monthly Normals 1981-2010

Generated on 06/30/2022

Current Location: Elev: 2580 ft. Lat: 46.7994° N Lon: -102.7972° W

Station: **DICKINSON THEODORE ROOSEVELT REGIONAL AIRPORT, ND US
 USW00024012**

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	26.4	6.2	16.3	7.3	7.6	7.3	0	0	0	0	0	0	1200	1262	1355	1510	0.0	0.0	1.0	18.1	30.5	10.6
02	30.8	10.1	20.5	8.2	7.7	7.8	-7777	0	0	0	0	0	967	1023	1107	1247	0.0	0.0	3.1	13.8	26.9	7.5
03	41.1	18.8	30.0	6.7	5.2	5.7	-7777	-7777	-7777	0	0	0	777	839	931	1086	0.0	0.0	9.0	8.6	28.2	2.5
04	55.4	29.2	42.3	4.8	2.7	3.5	14	9	4	1	-7777	0	395	450	535	682	0.0	0.1	20.0	1.3	18.6	0.1
05	66.1	40.1	53.1	4.1	2.8	3.1	78	55	30	9	2	1	137	176	244	378	0.0	0.3	28.6	-7777	5.0	0.0
06	75.4	49.1	62.2	4.5	3.1	3.6	236	188	125	54	19	12	18	30	58	137	0.2	2.1	29.9	0.0	0.3	0.0
07	83.6	54.9	69.2	4.6	2.5	3.4	442	382	294	165	73	47	1	2	8	34	1.1	7.5	31.0	0.0	0.0	0.0
08	83.2	53.6	68.4	4.1	2.8	3.3	419	360	276	157	69	44	4	7	16	52	0.5	7.9	31.0	0.0	-7777	0.0
09	71.2	43.1	57.2	4.6	2.7	3.5	149	117	77	32	10	5	84	112	162	268	0.1	1.8	28.8	0.0	2.4	0.0
10	56.5	31.2	43.8	4.3	2.8	3.2	22	14	6	1	-7777	-7777	367	421	507	657	0.0	0.1	20.8	1.3	16.0	0.2
11	40.0	18.9	29.5	7.2	5.1	6.0	1	-7777	-7777	0	0	0	767	827	916	1066	0.0	0.0	7.4	8.2	27.1	2.2
12	28.1	7.7	17.9	7.9	7.4	7.5	0	0	0	0	0	0	1150	1212	1305	1460	0.0	0.0	1.5	17.1	30.8	9.1
Summary	54.8	30.2	42.5	5.7	4.4	4.8	1361	1125	812	419	173	109	5867	6361	7144	8577	1.9	19.8	212.1	68.4	185.8	32.2

-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	0.30	5.2	0.9	-7777	0.0	0.10	0.23	0.44
02	0.33	4.3	0.8	0.1	0.0	0.06	0.22	0.42
03	0.69	6.4	1.6	0.3	0.1	0.19	0.60	0.92
04	1.47	7.8	3.5	0.7	0.3	0.74	1.18	2.00
05	2.32	10.9	5.5	1.2	0.3	1.35	1.85	2.69
06	3.20	12.2	6.6	2.2	0.6	2.11	2.77	4.14
07	2.44	9.5	4.8	1.6	0.5	1.51	1.94	3.64
08	1.54	6.8	3.1	0.9	0.3	0.71	1.17	1.84
09	1.47	6.6	3.3	0.7	0.2	0.59	1.38	2.13
10	1.23	6.2	2.4	0.8	0.2	0.30	0.63	1.33
11	0.54	5.7	1.4	0.2	-7777	0.12	0.31	0.76
12	0.24	4.9	0.6	0.0	0.0	0.12	0.21	0.35
Summary	15.77	86.5	34.5	8.7	2.5	7.90	12.49	20.66

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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	6.0	5.8	2.1	0.4	0.2	0.0	19.3	13.9	8.6	3.1	1.8	5.4	9.5
02	5.0	4.8	1.9	0.4	0.1	0.0	14.7	7.9	4.3	1.5	1.3	3.9	7.2
03	5.6	4.9	2.0	0.5	0.2	0.0	9.9	7.0	3.8	1.0	1.6	3.5	10.2
04	5.9	3.0	1.6	0.6	0.4	0.1	4.1	2.4	1.5	0.6	1.5	3.7	10.0
05	0.5	0.3	0.2	0.1	0.0	0.0	0.4	0.2	0.1	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	0.5	0.2	0.2	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0
10	1.6	1.1	0.5	0.1	0.1	0.0	1.0	0.4	0.2	0.0	0.0	0.4	1.9
11	5.8	5.1	1.8	0.6	0.1	0.0	10.0	4.7	2.4	0.4	0.9	4.6	10.1
12	4.6	5.6	1.9	0.2	-7777	0.0	17.0	8.1	4.4	0.7	2.2	3.7	5.9
Summary	35.5	30.8	12.2	3.0	1.2	0.1	76.5	44.7	25.4	7.3	9.3	25.2	54.8

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Growing Degree Units (Monthly)												
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	2	7	33	157	414	668	906	880	518	200	34	2
45	-7777	1	11	83	278	518	752	725	379	114	14	-7777
50	-7777	-7777	3	38	163	372	596	571	251	55	4	-7777
55	0	-7777	-7777	14	78	236	442	419	149	22	1	0
60	0	0	-7777	4	30	125	294	276	77	6	-7777	0
Growing Degree Units for Corn (Monthly)												
50/86	2	8	37	127	259	404	570	552	325	145	32	3

Growing Degree Units (Accumulated Monthly)												
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	2	9	42	199	613	1281	2187	3067	3585	3785	3819	3821
45	0	1	12	95	373	891	1643	2368	2747	2861	2875	2875
50	0	0	3	41	204	576	1172	1743	1994	2049	2053	2053
55	0	0	0	14	92	328	770	1189	1338	1360	1361	1361
60	0	0	0	4	34	159	453	729	806	812	812	812
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	2	10	47	174	433	837	1407	1959	2284	2429	2461	2464

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

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