

**Summary of Monthly Normals**  
**1991-2020**  
 Generated on 06/30/2022

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	26.6	6.2	16.4	6.3	5.7	5.8	0.0	0.0	0.0	0.0	0.0	0.0	1196.5	1258.5	1351.5	1506.5	0.0	0.0	1.2	18.5	30.5	11.3
02	30.2	9.0	19.6	8.5	8.4	8.3	0.0	0.0	0.0	0.0	0.0	0.0	991.0	1047.0	1131.1	1271.1	0.0	0.0	2.5	14.9	27.2	8.3
03	42.1	18.6	30.3	7.9	5.3	6.4	1.0	0.3	0.0	0.0	0.0	0.0	765.2	826.5	919.2	1074.2	0.0	0.0	10.1	9.0	28.4	3.0
04	54.7	28.4	41.6	4.3	2.9	3.4	9.6	5.7	2.2	0.3	0.0	0.0	413.0	469.2	555.7	703.8	0.0	0.1	19.6	2.1	19.9	0.2
05	66.1	39.7	52.9	3.6	2.4	2.7	79.5	56.4	30.6	8.5	1.2	0.4	144.7	183.6	250.8	383.6	0.0	0.2	28.5	0.0	5.9	0.0
06	75.6	49.4	62.5	3.3	2.2	2.5	240.7	190.6	125.3	49.0	13.9	6.9	15.8	25.6	50.4	124.1	0.0	1.5	29.9	0.0	0.2	0.0
07	83.9	55.0	69.4	4.9	2.5	3.5	448.4	387.6	299.3	167.4	73.1	46.9	0.6	1.8	6.5	29.6	0.9	7.6	31.0	0.0	0.0	0.0
08	83.7	53.2	68.5	3.4	2.3	2.6	420.9	361.7	276.7	153.5	65.2	41.6	4.1	6.9	14.9	46.6	0.6	7.9	31.0	0.0	0.0	0.0
09	73.0	44.0	58.5	3.8	2.7	2.9	172.8	136.8	91.6	38.5	11.0	5.8	68.0	92.0	136.7	233.5	0.1	2.1	29.0	0.0	2.0	0.0
10	56.4	31.2	43.8	5.0	3.3	3.9	24.8	16.8	8.5	1.8	0.3	0.1	372.0	426.0	510.7	659.0	0.0	0.1	21.3	1.6	16.6	0.3
11	41.3	19.3	30.3	6.9	4.4	5.4	1.2	0.5	0.0	0.0	0.0	0.0	742.1	801.4	891.0	1041.0	0.0	0.0	8.6	8.6	27.5	2.0
12	30.1	9.7	19.9	7.2	6.2	6.6	0.0	0.0	0.0	0.0	0.0	0.0	1087.9	1149.9	1242.9	1397.9	0.0	0.0	2.2	16.5	30.7	7.1
Summary	55.3	30.3	42.8	5.4	4.0	4.5	1399	1156	834	419	165	102	5801	6288	7061	8471	1.6	19.5	214.9	71.2	188.9	32.2

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	0.25	4.8	0.6	0.0	0.0	0.11	0.16	0.38
02	0.32	4.4	0.7	0.1	0.0	0.15	0.22	0.33
03	0.56	5.9	1.2	0.2	0.0	0.23	0.49	0.75
04	1.37	8.0	3.6	0.6	0.2	0.87	1.20	1.67
05	2.55	11.2	5.7	1.4	0.4	1.38	1.80	2.92
06	3.05	12.5	6.9	2.1	0.4	2.11	2.52	4.06
07	2.55	9.8	5.0	1.5	0.4	1.55	2.40	3.58
08	1.53	6.9	3.4	0.7	0.3	0.72	1.13	1.79
09	1.62	6.6	3.4	0.8	0.3	0.54	1.47	2.54
10	1.17	6.2	2.3	0.6	0.1	0.31	0.82	1.32
11	0.47	4.7	1.1	0.1	0.0	0.10	0.25	0.76
12	0.19	4.0	0.4	0.0	0.0	0.10	0.16	0.26
Summary	15.63	85.0	34.3	8.1	2.1	8.17	12.62	20.36

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U.S. Department of Commerce  
 National Oceanic & Atmospheric Administration  
 National Environmental Satellite, Data, and Information Service  
 Current Location: Elev: 2580 ft. Lat: 46.7994° N Lon: -102.7972° W  
 Station: **THEODORE ROOSEVELT AP, ND US USW00024012**

## Summary of Monthly Normals 1991-2020

Generated on 06/30/2022

National Centers for Environmental Information  
 151 Patton Avenue  
 Asheville, North Carolina 28801

<b>Growing Degree Units (Monthly)</b>												
<b>Base</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
40	2.5	6.8	44.3	143.4	409.1	675.0	912.6	881.6	557.3	204.0	38.1	3.5
45	0.4	1.8	16.6	69.9	273.3	525.5	757.7	726.8	414.7	117.0	15.3	0.5
50	0.0	0.3	5.0	28.4	160.4	378.6	602.8	572.5	283.1	57.6	4.7	0.0
55	0.0	0.0	1.0	9.6	79.5	240.7	448.4	420.9	172.8	24.8	1.2	0.0
60	0.0	0.0	0.0	2.2	30.6	125.3	299.3	276.7	91.6	8.5	0.0	0.0
<b>Growing Degree Units for Corn (Monthly)</b>												
50/86	2.6	7.6	48.1	121.7	261.5	409.6	574.2	552.2	350.4	147.6	37.9	5.1

<b>Growing Degree Units (Accumulated Monthly)</b>												
<b>Base</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
40	2	9	54	197	606	1281	2194	3075	3633	3837	3875	3878
45	0	2	19	89	362	888	1645	2372	2787	2904	2919	2920
50	0	0	5	34	194	573	1176	1748	2031	2089	2093	2093
55	0	0	1	11	90	331	779	1200	1373	1398	1399	1399
60	0	0	0	2	33	158	457	734	826	834	834	834
<b>Growing Degree Units for Corn (Monthly Accumulated)</b>												
50/86	3	10	58	180	442	851	1425	1978	2328	2476	2513	2518

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

Empty or blank cells indicate data is missing or insufficient occurrences to compute value.