

Summary of Monthly Normals
1991-2020

Generated on 06/03/2024

Current Location: Elev: 899 ft. Lat: 48.8625° N Lon: 97.7014° W

Station: CAVALIER 7NW, ND US USC00321435

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	13.2	-4.3	4.4	6.5	7.0	6.6	0.0	0.0	0.0	0.0	0.0	0.0	1566.9	1628.9	1721.9	1876.9	0.0	0.0	0.0	27.2	30.8	19.3
02	18.0	-1.0	8.5	7.0	7.7	7.3	0.0	0.0	0.0	0.0	0.0	0.0	1301.9	1357.9	1441.9	1581.9	0.0	0.0	0.1	22.7	27.9	15.9
03	30.7	13.4	22.1	5.9	6.2	5.9	0.1	0.1	0.0	0.0	0.0	0.0	1021.6	1083.5	1176.5	1331.5	0.0	0.0	2.3	15.9	29.6	6.2
04	49.3	28.5	38.9	6.1	4.3	5.1	5.0	2.7	0.8	0.1	0.0	0.0	488.1	545.8	633.9	783.2	0.0	0.0	15.4	3.5	20.7	0.2
05	64.5	40.9	52.7	3.6	3.1	3.1	85.4	62.1	36.0	11.7	2.6	1.4	156.7	195.4	262.3	393.0	0.0	0.4	28.0	0.1	5.5	0.0
06	73.6	52.7	63.2	3.2	2.3	2.6	258.3	207.7	139.3	56.8	14.7	7.3	13.9	23.3	44.9	112.4	0.0	0.5	30.0	0.0	0.0	0.0
07	77.5	56.6	67.1	3.4	2.1	2.6	374.5	314.3	227.9	105.5	31.1	16.0	0.9	2.8	9.4	42.0	0.0	1.0	31.0	0.0	0.0	0.0
08	77.4	53.5	65.5	2.9	1.9	2.2	327.4	269.5	187.7	79.2	22.2	12.1	3.5	7.6	18.9	65.4	0.0	1.4	31.0	0.0	0.0	0.0
09	68.2	44.7	56.5	3.5	2.7	2.8	123.3	92.4	55.7	18.5	4.0	1.9	79.9	109.0	162.3	275.1	0.0	0.2	29.1	0.0	2.0	0.0
10	51.8	32.3	42.1	4.7	3.2	3.7	14.0	9.0	4.3	1.1	0.2	0.1	415.4	472.5	560.7	712.5	0.0	0.0	17.1	1.4	15.9	0.0
11	33.6	17.3	25.5	7.0	5.8	6.3	0.1	0.0	0.0	0.0	0.0	0.0	886.6	946.5	1036.5	1186.5	0.0	0.0	3.9	13.7	28.2	3.1
12	19.5	3.3	11.4	7.2	7.2	7.1	0.0	0.0	0.0	0.0	0.0	0.0	1351.5	1413.5	1506.5	1661.5	0.0	0.0	0.1	25.2	31.0	12.8
Summary	48.1	28.2	38.2	5.1	4.5	4.6	1188	958	652	273	75	39	7287	7787	8576	10022	0.0	3.5	188.0	109.7	191.6	57.5

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	0.34	5.0	1.2	0.0	0.0	0.13	0.28	0.54
02	0.34	4.1	1.1	0.1	0.0	0.14	0.24	0.45
03	0.71	4.7	2.0	0.2	0.1	0.23	0.56	0.98
04	1.11	5.2	2.9	0.5	0.1	0.60	1.03	1.63
05	2.87	10.3	6.3	2.1	0.6	1.94	2.87	3.57
06	3.77	12.0	7.6	2.6	0.8	2.64	3.69	4.25
07	3.44	10.5	6.1	2.2	0.8	2.02	2.78	4.50
08	2.25	8.5	4.5	1.4	0.6	1.28	2.01	2.82
09	2.31	8.0	4.1	1.4	0.4	1.00	1.69	3.33
10	1.66	7.0	3.7	1.0	0.3	0.60	1.32	2.54
11	0.72	4.8	2.0	0.3	0.1	0.18	0.39	1.05
12	0.50	5.8	1.5	0.1	0.0	0.30	0.42	0.59
Summary	20.02	85.9	43.0	11.9	3.8	11.06	17.28	26.25

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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	7.40	5.2	3.1	0.7	0.2	0.0	30.6	28.9	26.5	16.1	3.60	6.70	10.50
02	4.60	3.9	2.0	0.5	0.0	0.0	27.0	25.5	23.4	18.5	3.00	4.30	6.70
03	5.70	3.5	2.2	0.7	0.2	0.0	24.5	21.1	18.7	12.0	4.00	5.10	7.60
04	3.40	1.8	1.3	0.4	0.1	0.0	4.8	3.2	2.6	1.9	0.00	1.60	5.50
05	0.90	0.3	0.2	0.1	0.1	0.0	0.3	0.1	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	2.50	0.9	0.8	0.4	0.2	0.0	1.6	0.8	0.3	0.1	0.00	0.30	3.40
11	5.90	3.2	2.1	0.8	0.3	0.0	12.5	7.0	4.7	0.7	2.30	5.50	8.60
12	8.70	5.9	3.4	1.0	0.2	0.0	24.1	19.9	16.3	6.0	5.40	7.80	10.70
Summary	39.1	24.7	15.1	4.6	1.3	0.0	125.4	106.5	92.5	55.3	18.3	31.3	53.0

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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	0.1	0.1	9.4	110.3	405.7	694.3	838.5	788.8	495.2	155.5	13.3	0.3
45	0.0	0.0	2.8	53.1	273.8	544.8	683.5	633.8	353.1	81.8	3.4	0.0
50	0.0	0.0	0.6	20.0	164.7	397.2	528.5	479.0	225.2	36.8	0.6	0.0
55	0.0	0.0	0.1	5.0	85.4	258.3	374.5	327.4	123.3	14.0	0.1	0.0
60	0.0	0.0	0.0	0.8	36.0	139.3	227.9	187.7	55.7	4.3	0.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	0.0	0.4	7.4	77.5	243.8	414.1	529.4	488.5	289.5	93.3	10.9	0.2
Growing Degree Units (Accumulated Monthly)												
40	0	0	10	120	526	1220	2058	2847	3342	3498	3511	3512
45	0	0	3	56	330	874	1558	2192	2545	2627	2630	2630
50	0	0	1	21	185	582	1111	1590	1815	1852	1853	1853
55	0	0	0	5	90	349	723	1051	1174	1188	1188	1188
60	0	0	0	1	37	176	404	592	647	652	652	652
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	0	0	8	85	329	743	1273	1761	2051	2144	2155	2155

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