

Summary of Monthly Normals
1991-2020

Generated on 04/25/2024

Current Location: Elev: 1980 ft. Lat: 46.5067° N Lon: 99.7692° W

Station: **NAPOLEON, ND US USC00326255**

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	19.8	0.5	10.2	5.8	6.1	5.8	0.0	0.0	0.0	0.0	0.0	0.0	1390.2	1452.2	1545.2	1700.3	0.0	0.0	0.2	23.8	31.0	15.1
02	24.4	4.0	14.2	7.6	8.6	8.0	0.0	0.0	0.0	0.0	0.0	0.0	1142.3	1198.3	1282.3	1422.4	0.0	0.0	0.6	19.0	27.7	11.7
03	36.7	16.4	26.5	7.2	6.1	6.6	1.0	0.6	0.1	0.0	0.0	0.0	883.0	944.5	1037.1	1192.0	0.0	0.0	6.0	11.5	28.8	4.7
04	52.9	28.8	40.8	5.2	3.7	4.3	9.8	5.9	2.4	0.3	0.1	0.0	434.4	490.4	576.9	724.9	0.0	0.0	18.2	2.4	19.6	0.2
05	65.9	41.8	53.8	3.4	2.9	2.9	101.0	74.9	43.9	14.4	3.1	1.5	136.7	172.7	234.6	360.0	0.0	0.2	28.0	0.0	5.0	0.0
06	75.4	52.8	64.1	3.0	2.3	2.5	284.7	232.7	162.3	72.4	22.0	12.1	11.8	19.8	39.4	99.4	0.1	1.0	29.9	0.0	0.0	0.0
07	81.6	57.7	69.6	3.8	2.6	3.1	454.8	394.2	305.6	171.5	72.6	46.3	0.8	2.1	6.5	27.4	0.3	4.6	31.0	0.0	0.0	0.0
08	80.7	55.4	68.0	3.1	2.2	2.5	407.6	348.5	263.1	140.3	54.8	33.0	3.2	6.0	13.6	45.8	0.1	3.9	31.0	0.0	0.0	0.0
09	71.1	46.1	58.6	3.5	2.5	2.7	173.4	137.6	92.6	40.4	12.1	6.9	65.5	89.7	134.7	232.5	0.0	1.2	29.2	0.0	1.6	0.0
10	55.3	32.6	43.9	4.9	3.0	3.7	24.3	16.2	8.2	1.9	0.2	0.1	366.8	420.8	505.7	654.4	0.0	0.1	20.4	1.3	15.6	0.0
11	38.4	18.6	28.5	7.3	4.9	5.9	0.4	0.1	0.0	0.0	0.0	0.0	795.3	855.0	945.0	1095.0	0.0	0.0	6.9	10.5	28.0	2.0
12	25.0	7.5	16.3	6.8	6.0	6.2	0.0	0.0	0.0	0.0	0.0	0.0	1201.1	1263.1	1356.1	1511.2	0.0	0.0	0.6	21.3	30.9	9.1
Summary	52.3	30.2	41.2	5.1	4.2	4.5	1457	1211	878	441	165	100	6431	6915	7677	9065	0.5	11.0	202.0	89.8	188.2	42.8

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

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

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	0.55	6.6	2.0	0.1	0.0	0.33	0.50	0.73	
02	0.56	6.0	2.0	0.1	0.0	0.28	0.49	0.68	
03	0.93	6.4	2.8	0.4	0.1	0.36	0.74	1.36	
04	1.69	6.8	3.8	0.8	0.3	0.92	1.60	2.30	
05	2.82	9.9	6.2	2.0	0.4	1.50	2.66	3.75	
06	3.83	10.6	7.2	2.5	0.9	2.74	3.70	4.79	
07	3.06	9.0	6.1	2.3	0.7	1.67	2.67	3.32	
08	2.40	7.0	4.2	1.4	0.7	1.24	2.17	3.12	
09	1.79	7.0	4.0	1.1	0.4	0.99	1.31	2.83	
10	1.73	6.5	3.8	1.0	0.4	0.80	1.22	1.99	
11	0.66	5.1	2.2	0.2	0.0	0.18	0.54	0.96	
12	0.71	6.4	2.0	0.2	0.0	0.25	0.56	0.94	
Summary	20.73	87.3	46.3	12.1	3.9	11.26	18.16	26.77	

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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	9.60	7.0	3.4	1.4	0.2	0.0	30.1	25.5	20.7	12.5	5.30	7.00	14.60
02	7.90	5.9	3.3	0.9	0.1	0.0	25.9	22.5	18.7	14.5	5.20	6.90	9.80
03	9.20	4.6	2.9	1.2	0.3	0.0	20.2	16.5	13.3	8.4	4.10	6.60	14.20
04	5.70	1.8	1.4	0.8	0.3	0.1	5.2	3.5	2.3	0.9	0.50	5.00	9.50
05	0.70	0.2	0.2	0.1	0.1	0.0	0.1	0.0	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	1.2	0.9	0.4	0.1	0.0	1.6	0.7	0.3	0.1	0.00	0.50	3.20
11	6.60	3.8	2.3	1.0	0.2	0.1	10.8	7.0	4.0	0.9	0.50	6.60	10.20
12	11.00	6.6	3.8	1.5	0.5	0.0	24.7	16.6	12.9	5.3	4.50	8.10	15.30
Summary	53.2	31.1	18.2	7.3	1.8	0.2	118.6	92.3	72.2	42.6	20.1	40.7	76.8

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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	0.2	1.5	24.2	141.7	438.3	722.9	918.9	869.3	559.7	201.2	27.7	0.6
45	0.0	0.3	9.1	72.5	303.4	573.2	764.0	714.4	416.6	115.6	9.4	0.1
50	0.0	0.1	3.0	29.7	187.8	425.1	609.1	559.9	284.1	57.3	2.2	0.0
55	0.0	0.0	1.0	9.8	101.0	284.7	454.8	407.6	173.4	24.3	0.4	0.0
60	0.0	0.0	0.1	2.4	43.9	162.3	305.6	263.1	92.6	8.2	0.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	0.2	1.4	22.0	108.9	265.6	441.3	594.4	554.8	340.1	132.1	26.7	1.0

Growing Degree Units (Accumulated Monthly)												
40	0	2	26	168	606	1329	2248	3117	3677	3878	3906	3906
45	0	0	9	82	385	958	1722	2437	2854	2969	2978	2979
50	0	0	3	33	221	646	1255	1815	2099	2156	2158	2158
55	0	0	1	11	112	396	851	1259	1432	1457	1457	1457
60	0	0	0	2	46	209	514	777	870	878	878	878
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	0	2	24	132	398	839	1434	1989	2329	2461	2488	2488

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