

Summary of Monthly Normals
1991-2020

Generated on 04/25/2024

Current Location: Elev: 1959 ft. Lat: 48.9144° N Lon: 103.2978° W

Station: CROSBY, ND US USC00321871

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	19.5	0.0	9.7	6.7	6.9	6.7	0.0	0.0	0.0	0.0	0.0	0.0	1402.6	1464.6	1557.7	1712.6	0.0	0.0	0.1	23.2	30.9	14.9
02	23.9	3.8	13.8	8.4	8.7	8.5	0.0	0.0	0.0	0.0	0.0	0.0	1152.0	1208.0	1292.2	1432.1	0.0	0.0	0.6	19.1	27.7	11.0
03	37.1	15.9	26.5	7.6	6.3	6.9	0.3	0.2	0.0	0.0	0.0	0.0	883.8	945.7	1038.5	1193.5	0.0	0.0	6.5	10.7	28.5	4.2
04	54.5	28.6	41.5	5.4	3.5	4.3	9.4	5.6	2.1	0.4	0.0	0.0	413.1	469.2	555.7	703.9	0.0	0.0	19.8	1.8	18.2	0.2
05	67.2	40.2	53.7	3.4	2.5	2.6	87.5	62.4	34.8	9.6	1.6	0.6	127.9	164.8	230.2	360.0	0.0	0.3	29.6	0.0	4.9	0.0
06	75.3	50.4	62.8	3.1	2.2	2.6	247.6	196.8	129.6	50.6	13.6	7.2	12.2	21.4	44.2	115.1	0.0	1.5	29.9	0.0	0.0	0.0
07	81.0	55.2	68.1	3.7	2.6	3.0	406.7	345.8	257.1	129.4	46.5	26.4	0.7	1.8	6.1	33.4	0.1	4.0	31.0	0.0	0.0	0.0
08	80.8	53.1	66.9	3.5	2.4	2.7	374.1	315.3	232.0	115.7	41.5	24.2	3.9	7.0	16.6	55.4	0.2	4.4	31.0	0.0	0.0	0.0
09	69.9	43.7	56.8	3.7	2.7	2.9	132.9	99.8	62.1	22.5	5.0	2.5	79.1	106.0	158.1	268.5	0.0	1.0	29.2	0.0	1.7	0.0
10	53.4	31.0	42.2	4.5	3.2	3.6	13.6	8.2	3.5	0.8	0.1	0.0	410.4	467.0	555.3	707.6	0.0	0.0	19.8	1.8	15.6	0.1
11	35.7	17.1	26.4	6.8	5.3	5.9	0.0	0.0	0.0	0.0	0.0	0.0	857.9	917.9	1008.0	1158.0	0.0	0.0	4.9	11.6	27.2	2.7
12	23.2	5.0	14.1	7.0	7.0	6.9	0.0	0.0	0.0	0.0	0.0	0.0	1267.7	1329.7	1422.8	1577.7	0.0	0.0	0.1	21.9	30.9	10.0
Summary	51.8	28.7	40.2	5.3	4.4	4.7	1272	1034	721	329	108	61	6611	7103	7885	9318	0.3	11.2	202.5	90.1	185.6	43.1

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	0.52	6.4	1.9	0.0	0.0	0.23	0.40	0.73	
02	0.40	4.4	1.4	0.1	0.0	0.19	0.30	0.46	
03	0.60	5.6	1.9	0.1	0.0	0.29	0.61	0.92	
04	0.95	6.1	3.1	0.5	0.0	0.48	0.71	1.34	
05	2.23	8.2	5.5	1.0	0.3	1.11	1.81	2.96	
06	3.23	11.4	7.2	2.0	0.6	2.56	2.98	3.61	
07	2.68	8.5	5.7	1.7	0.6	1.56	2.63	3.57	
08	1.66	6.5	3.9	1.1	0.2	0.82	1.38	2.19	
09	1.77	6.2	3.8	1.0	0.2	0.63	1.26	2.39	
10	1.10	6.1	3.2	0.6	0.1	0.71	1.09	1.42	
11	0.53	5.4	2.1	0.3	0.0	0.26	0.48	0.69	
12	0.43	6.3	2.1	0.1	0.0	0.26	0.44	0.57	
Summary	16.10	81.1	41.8	8.5	2.0	9.10	14.09	20.85	

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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	8.80	5.8	3.7	1.0	0.4	0.0	27.3	22.0	17.1	10.4	5.00	6.00	9.80
02	4.60	3.9	2.1	0.7	0.3	0.0	23.0	18.6	14.6	8.9	1.80	4.50	6.40
03	5.20	3.5	2.1	0.6	0.3	0.0	18.7	14.8	12.9	7.4	1.10	4.90	6.10
04	3.30	1.5	1.0	0.5	0.1	0.0	3.4	2.7	1.6	0.2	0.50	2.50	5.10
05	1.10	0.3	0.3	0.2	0.1	0.0	0.2	0.2	0.1	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	3.10	1.4	1.2	0.3	0.1	0.0	1.4	0.6	0.2	0.0	0.40	2.90	4.60
11	5.60	3.6	2.2	0.9	0.3	0.0	10.0	6.7	5.2	1.6	1.10	3.50	10.30
12	9.00	5.5	3.6	0.8	0.2	0.0	23.8	18.0	11.1	2.6	5.90	9.10	10.70
Summary	40.7	25.5	16.2	5.0	1.8	0.0	107.8	83.6	62.8	31.1	15.8	33.4	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	0.3	1.6	22.3	148.1	432.0	685.4	871.0	835.2	507.2	166.3	17.3	0.3
45	0.0	0.4	7.2	74.3	293.6	535.5	716.0	680.4	365.8	87.3	5.8	0.0
50	0.0	0.1	1.7	29.9	175.6	387.5	561.0	526.2	237.1	38.4	1.2	0.0
55	0.0	0.0	0.3	9.4	87.5	247.6	406.7	374.1	132.9	13.6	0.0	0.0
60	0.0	0.0	0.0	2.1	34.8	129.6	257.1	232.0	62.1	3.5	0.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	0.1	1.4	22.7	118.7	274.8	414.2	552.9	526.4	310.7	112.6	14.5	0.2

Growing Degree Units (Accumulated Monthly)												
40	0	2	24	172	604	1290	2161	2996	3503	3669	3687	3687
45	0	0	8	82	376	911	1627	2307	2673	2761	2766	2766
50	0	0	2	32	207	595	1156	1682	1919	1958	1959	1959
55	0	0	0	10	97	345	752	1126	1258	1272	1272	1272
60	0	0	0	2	37	166	424	656	718	721	721	721
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	0	2	24	143	418	832	1385	1911	2222	2334	2349	2349

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

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