

Summary of Monthly Normals
1991-2020

Generated on 06/04/2024

Current Location: Elev: 2110 ft. Lat: 47.8214° N Lon: 101.2922° W
Station: MAX, ND US USC00325638

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	18.4	0.3	9.3	6.4	6.9	6.5	0.0	0.0	0.0	0.0	0.0	0.0	1414.9	1477.0	1570.0	1725.0	0.0	0.0	0.1	24.5	30.9	15.5
02	22.9	3.9	13.4	8.0	8.7	8.3	0.0	0.0	0.0	0.0	0.0	0.0	1164.6	1220.7	1304.7	1444.7	0.0	0.0	0.5	19.9	27.8	12.7
03	35.2	16.1	25.6	7.3	6.2	6.6	0.4	0.1	0.0	0.0	0.0	0.0	910.3	972.0	1064.9	1219.9	0.0	0.0	5.1	12.4	29.4	5.0
04	51.4	29.5	40.5	5.7	4.3	4.8	9.3	5.1	1.9	0.3	0.0	0.0	445.9	501.7	588.5	736.8	0.0	0.0	17.0	2.8	19.0	0.3
05	64.8	42.4	53.6	3.3	2.4	2.7	93.1	67.0	37.7	11.2	2.2	0.9	136.6	172.4	236.1	364.7	0.0	0.4	27.9	0.0	4.3	0.0
06	74.0	52.9	63.5	3.2	2.5	2.7	267.4	216.5	147.5	61.4	15.7	8.4	14.0	23.1	44.1	108.0	0.0	1.1	29.8	0.0	0.1	0.0
07	80.7	57.5	69.1	3.8	2.8	3.2	438.0	377.2	288.1	156.7	62.4	38.5	1.0	2.2	6.1	29.7	0.2	4.1	31.0	0.0	0.0	0.0
08	80.5	55.6	68.1	3.0	2.4	2.5	408.5	349.3	264.7	141.9	55.8	34.4	4.1	6.9	15.2	47.5	0.2	5.1	31.0	0.0	0.0	0.0
09	70.1	45.9	58.0	3.6	2.7	3.0	163.1	128.3	84.4	34.9	9.6	5.0	73.3	98.4	144.5	245.0	0.0	1.3	29.1	0.0	1.9	0.0
10	53.4	32.2	42.8	4.8	3.4	3.8	20.4	13.5	6.7	1.3	0.2	0.1	398.6	453.7	539.9	689.5	0.0	0.0	19.0	1.6	16.2	0.1
11	36.0	18.0	27.0	7.1	5.9	6.3	0.2	0.1	0.0	0.0	0.0	0.0	840.2	900.1	990.0	1140.0	0.0	0.0	5.4	12.2	27.8	2.8
12	23.5	6.4	14.9	6.8	6.7	6.6	0.0	0.0	0.0	0.0	0.0	0.0	1241.4	1303.4	1396.4	1551.4	0.0	0.0	0.3	22.5	30.7	10.2
Summary	50.9	30.1	40.5	5.2	4.6	4.7	1400	1157	831	408	146	87	6645	7132	7900	9302	0.4	12.0	196.2	95.9	188.1	46.6

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	0.57	5.1	2.0	0.1	0.0	0.27	0.52	0.76	
02	0.50	4.5	1.6	0.1	0.0	0.26	0.41	0.58	
03	0.79	4.6	2.4	0.4	0.0	0.44	0.66	1.11	
04	1.17	5.5	3.7	0.5	0.1	0.69	0.87	1.60	
05	2.82	8.3	6.0	1.8	0.6	1.50	2.76	3.67	
06	3.65	10.3	7.6	2.5	0.8	2.71	3.65	4.19	
07	2.79	8.1	6.1	1.9	0.7	1.68	2.15	3.90	
08	2.14	6.3	4.3	1.3	0.5	0.98	1.63	2.92	
09	1.68	5.9	3.9	0.9	0.3	0.83	1.19	1.96	
10	1.36	5.7	3.4	0.6	0.3	0.52	0.95	1.73	
11	0.68	4.3	2.4	0.2	0.0	0.23	0.49	1.13	
12	0.57	5.4	2.0	0.1	0.0	0.29	0.42	0.75	
Summary	18.72	74.0	45.4	10.4	3.3	10.40	15.70	24.30	

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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	8.90	4.7	4.2	1.1	0.3	0.0	27.7	24.3	16.7	10.3	4.40	6.00	12.70
02	7.20	4.1	3.8	0.8	0.3	0.0	23.4	19.8	14.8	7.4	4.50	6.50	10.00
03	7.90	3.5	3.3	1.0	0.3	0.1	17.5	13.4	10.9	6.4	2.00	8.00	11.20
04	4.40	1.8	1.8	0.5	0.3	0.0	5.4	3.7	2.6	1.0	2.00	3.00	7.00
05	1.00	0.3	0.3	0.2	0.0	0.0	0.4	0.1	0.0	0.0	0.00	0.00	0.20
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	0.10	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	3.40	1.2	1.2	0.5	0.1	0.0	1.8	0.7	0.4	0.2	0.00	2.00	4.00
11	6.90	2.9	2.7	1.0	0.3	0.0	11.3	7.3	4.3	1.7	0.70	5.00	9.50
12	9.60	5.0	4.5	1.1	0.3	0.1	23.7	16.3	10.7	4.6	5.00	7.50	10.50
Summary	49.4	23.5	21.8	6.2	1.9	0.2	111.2	85.6	60.4	31.6	18.6	38.0	65.1

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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	1.0	21.4	139.0	431.3	703.4	901.9	869.2	542.8	182.2	22.0	1.6
45	0.0	0.2	7.5	71.8	295.8	553.7	747.0	714.4	400.4	101.9	7.3	0.3
50	0.0	0.0	1.8	30.0	179.9	406.5	592.1	560.1	271.0	50.6	2.0	0.0
55	0.0	0.0	0.4	9.3	93.1	267.4	438.0	408.5	163.1	20.4	0.2	0.0
60	0.0	0.0	0.0	1.9	37.7	147.5	288.1	264.7	84.4	6.7	0.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	0.2	1.0	18.7	94.1	246.2	418.8	578.6	549.2	322.7	113.6	16.8	0.6

Growing Degree Units (Accumulated Monthly)												
40	0	1	22	162	593	1296	2198	3067	3610	3792	3814	3816
45	0	0	8	80	375	929	1676	2390	2791	2893	2900	2900
50	0	0	2	32	212	618	1210	1770	2041	2092	2094	2094
55	0	0	0	10	103	370	808	1217	1380	1400	1400	1400
60	0	0	0	2	40	187	475	740	824	831	831	831
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	0	1	20	114	360	779	1358	1907	2230	2343	2360	2360

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

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