

Summary of Monthly Normals
1991-2020

Generated on 04/30/2024

Current Location: Elev: 1041 ft. Lat: 44.0908° N Lon: 92.6400° W

Station: **BYRON 4NORTH, MN US USC00211174**

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	22.6	3.5	13.0	4.3	6.5	5.3	0.0	0.0	0.0	0.0	0.0	0.0	1300.2	1362.1	1455.0	1610.2	0.0	0.0	0.2	23.7	31.0	13.2
02	27.4	6.1	16.8	6.5	8.0	7.2	0.0	0.0	0.0	0.0	0.0	0.0	1070.8	1126.7	1210.6	1350.8	0.0	0.0	0.8	17.3	27.4	10.0
03	40.2	19.7	30.0	5.6	5.4	5.4	3.5	2.3	1.0	0.2	0.0	0.0	780.1	840.9	932.7	1086.9	0.0	0.0	7.1	7.6	26.3	3.0
04	55.0	31.5	43.3	4.7	3.5	3.8	14.8	9.0	3.8	0.5	0.0	0.0	367.3	421.6	506.3	653.0	0.0	0.0	20.6	0.5	16.8	0.0
05	67.6	43.8	55.7	3.6	3.2	3.1	121.7	92.6	57.5	20.8	5.6	3.0	100.0	133.0	190.9	309.2	0.0	0.5	29.6	0.0	4.0	0.0
06	77.9	54.5	66.2	2.5	2.6	2.3	341.3	286.1	208.4	101.4	34.7	21.0	5.5	10.3	22.7	65.7	0.0	2.0	30.0	0.0	0.0	0.0
07	81.2	58.1	69.7	2.8	2.6	2.6	454.3	392.7	302.0	164.0	64.2	39.7	0.2	0.7	3.0	19.9	0.0	3.4	31.0	0.0	0.0	0.0
08	79.1	55.3	67.2	2.3	2.6	2.3	379.4	319.1	232.8	111.4	37.7	21.5	1.3	3.0	9.7	43.3	0.0	1.3	31.0	0.0	0.0	0.0
09	72.0	46.8	59.4	3.4	3.4	3.1	184.3	145.7	97.8	40.5	11.0	5.8	52.5	73.9	116.1	208.7	0.0	0.7	29.8	0.0	1.7	0.0
10	58.2	33.5	45.9	3.6	3.0	2.9	30.7	21.0	11.7	3.2	0.6	0.3	314.3	366.6	450.2	596.8	0.0	0.0	24.4	0.0	14.8	0.0
11	41.9	22.8	32.3	6.3	4.6	5.4	1.2	0.6	0.2	0.0	0.0	0.0	680.7	740.1	829.7	979.5	0.0	0.0	9.4	5.3	24.0	0.4
12	28.3	11.1	19.7	5.2	6.2	5.6	0.0	0.0	0.0	0.0	0.0	0.0	1094.1	1156.1	1249.0	1404.1	0.0	0.0	0.9	18.7	30.2	8.0
Summary	54.3	32.2	43.3	4.2	4.3	4.1	1531	1269	915	442	154	91	5767	6235	6976	8328	0.0	7.9	214.8	73.1	176.2	34.6

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	1.02	6.5	2.8	0.4	0.2	0.56	0.86	1.45	
02	1.12	5.8	2.4	0.5	0.1	0.69	0.90	1.42	
03	2.09	7.5	4.6	1.1	0.5	1.23	2.06	2.84	
04	3.62	10.0	6.3	2.6	0.7	2.24	3.37	4.88	
05	4.31	13.3	8.2	2.9	0.8	3.10	4.09	5.09	
06	5.27	13.5	8.3	3.3	1.7	3.72	5.32	6.82	
07	4.63	10.7	6.9	2.7	1.2	3.03	4.36	5.82	
08	4.80	11.2	6.4	2.9	1.5	3.08	3.94	6.01	
09	3.47	10.0	5.7	1.7	0.7	1.70	2.76	4.77	
10	2.44	9.4	5.2	1.4	0.4	1.43	1.98	3.18	
11	1.90	5.9	3.0	0.9	0.2	0.97	1.55	2.44	
12	1.32	7.2	3.2	0.6	0.1	0.66	1.28	1.70	
Summary	35.99	111.0	63.0	21.0	8.1	22.41	32.47	46.42	

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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	8.80	7.3	3.6	1.1	0.4	0.0	25.3	21.4	18.1	7.4	5.40	7.20	12.30
02	9.60	5.6	2.7	0.8	0.4	0.0	24.7	22.1	18.3	10.9	6.20	8.10	13.70
03	8.80	3.5	1.9	0.8	0.5	0.1	15.8	12.7	10.3	5.8	5.60	7.50	11.60
04	1.20	1.1	0.3	0.0	0.0	0.0	1.1	0.5	0.2	0.0	0.00	0.00	1.90
05	0.60	0.1	0.1	0.1	0.1	0.0	0.2	0.2	0.1	0.1	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	0.10	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
11	2.80	2.0	0.8	0.4	0.1	0.0	2.2	0.8	0.1	0.0	0.30	1.70	3.30
12	12.50	6.0	2.8	0.9	0.5	0.1	18.9	13.5	9.5	2.5	4.90	11.40	14.40
Summary	44.4	25.8	12.2	4.1	2.0	0.2	88.2	71.2	56.6	26.7	22.4	35.9	57.2

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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	2.1	44.1	172.0	489.5	785.8	919.1	843.1	582.5	228.1	42.8	3.0
45	0.0	0.4	22.3	92.1	344.6	635.7	764.0	688.1	436.4	133.0	16.8	0.7
50	0.0	0.2	9.5	40.5	218.3	486.3	609.1	533.1	300.5	68.9	5.0	0.1
55	0.0	0.0	3.5	14.8	121.7	341.3	454.3	379.4	184.3	30.7	1.2	0.0
60	0.0	0.0	1.0	3.8	57.5	208.4	302.0	232.8	97.8	11.7	0.2	0.0
Growing Degree Units for Corn (Monthly)												
50/86	0.3	1.2	31.3	120.8	295.7	496.1	602.9	541.1	364.6	153.6	29.6	2.2

Growing Degree Units (Accumulated Monthly)												
40	0	2	46	218	708	1494	2413	3256	3838	4066	4109	4112
45	0	0	23	115	459	1095	1859	2547	2984	3117	3133	3134
50	0	0	10	50	268	755	1364	1897	2198	2266	2271	2272
55	0	0	4	18	140	481	936	1315	1499	1530	1531	1531
60	0	0	1	5	62	271	573	806	903	915	915	915
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	0	2	33	154	449	945	1548	2089	2454	2608	2637	2639

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