

Summary of Monthly Normals
1991-2020

Current Location: Elev: 970 ft. Lat: 44.2992° N Lon: 92.6661° W
Station: ZUMBROTA, MN US USC00219249

Generated on 04/29/2024

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	22.7	4.1	13.4	4.6	6.4	5.4	0.0	0.0	0.0	0.0	0.0	0.0	1289.3	1351.3	1444.4	1599.5	0.0	0.0	0.1	23.1	30.9	12.1
02	27.3	7.3	17.3	5.9	7.7	6.7	0.0	0.0	0.0	0.0	0.0	0.0	1055.4	1111.4	1195.5	1335.6	0.0	0.0	0.8	16.8	27.0	8.3
03	40.4	20.6	30.5	5.6	5.4	5.4	3.8	2.6	1.2	0.3	0.0	0.0	763.3	824.1	915.7	1069.9	0.0	0.0	7.5	6.7	25.0	2.2
04	55.3	33.5	44.4	4.6	3.4	3.8	24.5	16.9	8.7	2.3	0.3	0.1	342.6	394.9	476.7	620.3	0.0	0.0	21.4	0.5	13.5	0.0
05	67.2	45.5	56.4	3.7	3.1	3.2	133.1	102.3	65.6	26.0	7.1	3.8	91.3	122.5	178.8	294.1	0.0	0.6	29.9	0.0	1.9	0.0
06	77.3	56.3	66.8	2.4	2.5	2.3	358.5	303.0	224.4	113.6	41.7	25.3	4.7	9.2	20.6	59.7	0.0	1.7	30.0	0.0	0.0	0.0
07	81.0	60.1	70.5	2.8	2.7	2.6	481.9	420.2	328.8	187.0	79.4	50.0	0.0	0.3	1.8	14.9	0.0	2.8	31.0	0.0	0.0	0.0
08	78.6	57.5	68.0	2.2	2.6	2.2	405.0	344.1	255.5	127.4	44.0	24.7	0.6	1.6	6.0	32.9	0.0	1.5	31.0	0.0	0.0	0.0
09	71.9	48.8	60.4	3.2	3.3	3.0	201.9	160.1	107.8	45.3	13.0	6.8	41.5	59.7	97.4	184.9	0.0	0.4	29.9	0.0	1.1	0.0
10	58.7	36.0	47.4	3.9	2.7	3.0	40.4	28.4	15.8	4.6	0.8	0.3	277.6	327.6	408.0	551.7	0.0	0.1	25.3	0.1	11.1	0.0
11	41.9	23.5	32.7	6.8	4.6	5.6	1.9	0.9	0.3	0.0	0.0	0.0	670.8	729.8	819.2	969.0	0.0	0.0	9.2	5.8	22.9	0.5
12	28.3	11.7	20.0	5.3	5.9	5.4	0.0	0.0	0.0	0.0	0.0	0.0	1084.8	1146.8	1239.9	1394.9	0.0	0.0	0.8	17.4	29.8	6.5
Summary	54.2	33.7	44.0	4.2	4.2	4.0	1651	1378	1008	507	186	111	5622	6079	6804	8127	0.0	7.1	216.9	70.4	163.2	29.6

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	0.99	6.3	3.3	0.4	0.0	0.51	1.04	1.18	
02	1.03	5.4	3.3	0.4	0.1	0.55	0.87	1.37	
03	1.85	7.2	4.7	1.3	0.2	1.12	1.70	2.46	
04	3.34	9.9	7.1	2.6	0.7	2.21	3.00	4.27	
05	4.19	11.4	8.4	3.0	0.9	2.95	3.81	5.34	
06	5.33	11.0	8.5	3.6	1.6	3.62	5.23	6.12	
07	4.12	8.9	6.8	2.7	1.1	2.55	3.62	5.19	
08	4.89	8.7	6.2	2.7	1.4	2.59	4.39	6.79	
09	3.92	8.4	5.6	2.3	1.0	1.69	2.68	4.82	
10	2.56	8.8	5.2	1.6	0.6	1.32	1.93	3.65	
11	1.77	6.2	4.0	1.2	0.4	0.79	1.47	2.07	
12	1.20	6.4	3.7	0.7	0.1	0.61	1.09	1.48	
Summary	35.19	98.6	66.8	22.5	8.1	20.51	30.83	44.74	

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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	10.50	5.3	3.7	1.2	0.3	0.0					5.10	8.80	15.50
02	9.50	4.3	3.3	0.9	0.3	0.0					5.00	5.80	10.30
03	6.20	2.8	2.3	0.8	0.4	0.0					1.80	6.00	9.20
04	3.30	1.3	1.1	0.6	0.2	0.0					0.00	3.50	5.70
05	0.50	0.1	0.1	0.1	0.1	0.0					0.00	0.00	0.00
06	0.00	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					0.00	0.00	0.00
08	0.00	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					0.00	0.00	0.00
10	0.60	0.5	0.4	0.1	0.0	0.0					0.00	0.00	0.00
11	3.00	1.9	1.6	0.6	0.1	0.0					0.50	3.20	5.10
12	9.90	4.5	3.8	1.1	0.4	0.1					4.10	7.20	12.90
Summary	43.5	20.7	16.3	5.4	1.8	0.1	0.0	0.0	0.0	0.0	16.5	34.5	58.7

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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	0.0	1.9	43.9	196.6	509.1	803.7	946.8	869.4	610.9	265.3	50.3	2.6
45	0.0	0.5	20.9	111.2	362.7	653.7	791.9	714.4	463.9	161.5	21.4	0.8
50	0.0	0.1	9.4	55.8	233.5	504.2	636.9	559.4	324.5	87.4	7.4	0.1
55	0.0	0.0	3.8	24.5	133.1	358.5	481.9	405.0	201.9	40.4	1.9	0.0
60	0.0	0.0	1.2	8.7	65.6	224.4	328.8	255.5	107.8	15.8	0.3	0.0
Growing Degree Units for Corn (Monthly)												
50/86	0.1	1.2	30.1	125.5	299.3	511.2	629.8	561.8	376.1	164.6	33.5	1.6

Growing Degree Units (Accumulated Monthly)												
40	0	2	46	242	752	1555	2502	3371	3982	4248	4298	4301
45	0	0	21	133	495	1149	1941	2655	3119	3281	3302	3303
50	0	0	10	65	299	803	1440	1999	2324	2411	2419	2419
55	0	0	4	28	161	520	1002	1407	1609	1649	1651	1651
60	0	0	1	10	76	300	629	884	992	1008	1008	1008
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	0	1	31	157	456	967	1597	2159	2535	2700	2733	2735

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