U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data, and Information Service

Summary of Monthly Normals
1991-2020

Generated on 11/06/2026

National Centers for Environmental Information
151 Patton Avenue
Asheville, North Carolina 28801

Current Location: Elev: 1304 ft. Lat: 43.9042° N Lon: 92.4917° W

Station: **ROCHESTER INTL AP, MN US USW00014925**

Temperature (°F)

	Mean						Cooling Degree Days Base (above)						Heating Degree Days Base (above)				Mean Number of Days					
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	22.5	7.0	14.7	4.8	6.0	5.3	0.0	0.0	0.0	0.0	0.0	0.0	1247.4	1309.5	1402.6	1557.6	0.0	0.0	0.2	24.2	30.7	10.7
02	26.7	10.7	18.7	5.8	7.1	6.4	0.0	0.0	0.0	0.0	0.0	0.0	1016.1	1072.2	1156.3	1296.3	0.0	0.0	0.4	18.7	27.0	6.9
03	39.9	23.4	31.7	5.8	5.1	5.4	5.0	3.5	1.9	0.5	0.0	0.0	729.0	789.4	880.8	1034.4	0.0	0.0	6.1	7.9	24.4	1.7
04	55.3	35.1	45.2	4.4	3.5	3.8	25.7	17.4	8.6	1.8	0.2	0.1	319.8	371.4	452.6	595.9	0.0	0.0	19.9	0.9	10.7	0.0
05	68.0	47.1	57.6	3.4	2.9	3.0	153.1	119.1	77.1	32.0	10.3	6.1	74.1	102.1	153.1	263.1	0.0	0.7	29.6	0.0	1.1	0.0
06	77.6	57.5	67.5	2.6	2.1	2.2	379.8	323.3	242.7	125.8	46.4	27.8	3.4	7.0	16.3	49.4	0.0	1.5	30.0	0.0	0.0	0.0
07	80.3	60.8	70.5	3.0	2.6	2.7	482.0	420.3	328.7	185.9	76.3	46.9	0.1	0.3	1.7	13.9	0.0	1.8	31.0	0.0	0.0	0.0
08	78.0	58.3	68.2	2.6	2.5	2.4	407.9	346.8	257.5	127.9	44.1	24.5	0.3	1.2	4.9	30.3	0.0	0.5	31.0	0.0	0.0	0.0
09	71.8	50.4	61.1	3.4	3.0	3.0	219.4	176.1	119.8	53.0	16.3	8.9	36.6	53.2	86.9	170.2	0.0	0.4	29.7	0.0	0.6	0.0
10	57.9	38.0	47.9	3.9	3.0	3.2	45.5	31.8	17.5	5.7	1.5	0.9	264.1	312.4	391.0	534.2	0.0	0.1	23.6	0.3	9.1	0.0
11	41.7	25.6	33.6	6.5	5.0	5.7	3.0	1.6	0.6	0.0	0.0	0.0	643.5	702.1	791.1	940.5	0.0	0.0	7.9	7.0	22.7	0.5
12	28.0	13.6	20.8	5.2	5.8	5.4	0.0	0.0	0.0	0.0	0.0	0.0	1060.0	1122.0	1215.1	1370.1	0.0	0.0	0.6	19.0	29.6	5.6
Summary	54.0	35.6	44.8	4.3	4.0	4.0	1721	1440	1054	533	195	115	5394	5843	6552	7856	0.0	5.0	210.0	78.0	155.9	25.4

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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	9.4	3.2	0.2	0.0	0.64	0.88	1.23
02	1.02	8.0	2.9	0.4	0.0	0.65	0.81	1.39
03	2.02	10.2	4.8	1.1	0.2	1.18	2.09	2.85
04	3.52	12.2	7.0	2.4	0.7	2.12	3.21	4.84
05	4.35	13.3	7.6	2.8	1.1	3.10	3.80	5.14
06	5.35	12.5	7.8	3.8	1.5	3.51	4.90	7.08
07	4.19	10.5	6.8	3.0	1.1	2.98	3.71	5.00
08	4.12	10.0	6.0	2.8	1.1	3.00	4.10	5.14
09	3.60	9.3	5.9	2.0	1.0	1.78	2.61	4.65
10	2.43	9.5	5.1	1.5	0.5	1.27	2.05	3.05
11	1.80	9.2	4.0	1.0	0.3	0.74	1.55	2.75
12	1.28	9.6	3.8	0.5	0.1	0.59	1.21	1.61
Summary	34.67	123.7	64.9	21.5	7.6	21.56	30.92	44.73

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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	12.20	8.8	3.8	1.3	0.6	0.0	25.4	20.3	16.3	7.0	8.40	10.30	15.50
02	10.70	7.3	3.3	1.1	0.5	0.0	23.3	20.1	16.1	7.8	6.60	9.30	13.40
03	8.60	5.6	2.3	0.9	0.4	0.1	13.6	9.7	7.9	3.7	4.60	7.10	10.90
04	3.30	2.6	1.0	0.4	0.1	0.0	1.9	0.6	0.3	0.0	0.00	1.80	6.10
05	0.50	0.1	0.0	0.0	0.0	0.0	0.1	0.1	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	0.90	0.8	0.3	0.1	0.0	0.0	0.3	0.0	0.0	0.0	0.00	0.00	0.70
11	4.50	4.5	1.2	0.4	0.1	0.0	4.5	2.2	1.0	0.1	1.00	3.30	5.30
12	12.40	8.7	3.7	1.2	0.4	0.0	19.8	12.8	7.9	2.7	7.10	9.70	13.20
Summary	53.1	38.4	15.6	5.4	2.1	0.1	88.9	65.8	49.6	21.4	27.7	41.5	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	2.5	50.3	211.8	545.1	826.3	946.9	872.5	633.2	281.9	59.1	3.3
45	0.0	0.5	24.3	121.0	396.5	676.3	791.9	717.6	485.6	173.8	26.6	1.0
50	0.0	0.1	11.1	59.6	262.3	526.5	636.9	562.6	345.1	96.0	10.4	0.1
55	0.0	0.0	5.0	25.7	153.1	379.8	482.0	407.9	219.4	45.5	3.0	0.0
60	0.0	0.0	1.9	8.6	77.1	242.7	328.7	257.5	119.8	17.5	0.6	0.0
Growing Degree Units for Corn (Monthly)												
50/86	0.1	1.0	29.1	124.1	312.2	526.9	630.4	563.7	380.8	158.0	32.0	1.6

Growing Degree Units (Accumulated Monthly)

40	0	3	53	265	810	1636	2583	3456	4089	4371	4430	4433
45	0	0	25	146	542	1219	2010	2728	3214	3388	3414	3415
50	0	0	11	71	333	860	1496	2059	2404	2500	2511	2511
55	0	0	5	31	184	564	1046	1454	1673	1718	1721	1721
60	0	0	2	10	88	330	659	916	1036	1054	1054	1054
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	0	1	30	154	466	993	1624	2188	2568	2726	2758	2760

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

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