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: 872 ft. Lat: 44.8831° N Lon: 93.2289° W

Station: **MINNEAPOLIS/ST PAUL AP, MN US USW00014922**

Temperature (°F)

Month	Mean						Cooling Degree Days Base (above)						Heating Degree Days Base (above)				Mean Number of Days					
	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	23.6	8.8	16.2	4.8	5.9	5.3	0.0	0.0	0.0	0.0	0.0	0.0	1202.4	1264.5	1357.5	1512.6	0.0	0.0	0.1	22.7	30.5	10.0
02	28.5	12.7	20.6	5.9	6.8	6.3	0.0	0.0	0.0	0.0	0.0	0.0	963.0	1019.0	1103.0	1243.1	0.0	0.0	0.8	17.3	26.8	5.9
03	41.7	24.9	33.3	5.6	5.1	5.3	5.3	3.7	1.9	0.4	0.0	0.0	678.1	738.5	829.6	983.2	0.0	0.0	7.6	6.7	23.8	1.2
04	56.6	37.5	47.1	4.2	3.6	3.8	37.0	25.4	13.5	3.7	0.7	0.3	275.5	323.9	402.1	542.2	0.0	0.1	21.1	0.6	9.0	0.0
05	69.2	49.9	59.5	3.5	3.0	3.1	191.4	151.1	100.9	44.9	15.7	9.4	50.5	72.1	114.9	213.9	0.0	0.8	30.1	0.0	0.5	0.0
06	79.0	60.4	69.7	2.7	2.3	2.4	442.8	385.1	301.2	175.3	78.5	51.5	1.9	4.2	10.3	34.4	0.0	2.9	30.0	0.0	0.0	0.0
07	83.4	65.3	74.3	3.4	2.7	3.0	599.7	537.7	445.0	294.0	158.2	113.7	0.0	0.0	0.2	4.3	0.1	5.4	31.0	0.0	0.0	0.0
08	80.7	62.8	71.8	2.6	2.5	2.5	519.2	457.3	365.5	219.5	100.7	66.2	0.0	0.2	1.3	10.3	0.0	2.4	31.0	0.0	0.0	0.0
09	72.9	54.2	63.5	3.3	3.1	3.0	279.8	231.6	166.9	84.0	32.7	20.2	23.6	35.3	60.6	127.6	0.0	1.0	29.8	0.0	0.2	0.0
10	58.1	40.9	49.5	4.0	3.1	3.4	55.4	39.1	22.8	8.1	2.1	1.0	225.9	271.6	348.3	488.6	0.0	0.0	23.8	0.2	5.8	0.0
11	41.9	27.7	34.8	6.4	4.8	5.5	3.6	1.9	0.6	0.1	0.0	0.0	609.6	667.9	756.6	906.0	0.0	0.0	8.1	6.6	20.9	0.4
12	28.8	15.2	22.0	5.3	5.7	5.4	0.0	0.0	0.0	0.0	0.0	0.0	1022.7	1084.8	1177.8	1332.9	0.0	0.0	0.7	18.3	29.7	4.6
Summary	55.4	38.4	46.9	4.3	4.0	4.1	2134	1833	1418	830	389	262	5053	5482	6162	7399	0.1	12.6	214.1	72.4	147.2	22.1

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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	0.89	9.6	3.1	0.2	0.0	0.39	0.79	1.22
02	0.87	7.8	2.5	0.4	0.0	0.41	0.79	1.12
03	1.68	9.0	4.6	0.8	0.2	1.18	1.47	2.05
04	2.91	11.2	6.3	2.0	0.4	1.93	2.41	3.55
05	3.91	12.4	8.0	2.6	0.7	2.43	3.79	4.84
06	4.58	11.8	7.5	3.1	1.2	3.17	4.24	5.26
07	4.06	10.4	6.6	2.5	1.1	2.66	3.33	5.16
08	4.34	9.8	6.1	3.0	1.4	2.85	3.67	6.22
09	3.02	9.3	5.3	1.9	0.8	1.33	2.59	4.60
10	2.58	9.5	4.9	1.8	0.4	1.38	2.36	3.58
11	1.61	8.3	3.6	1.0	0.3	0.69	1.21	2.04
12	1.17	9.7	3.3	0.4	0.0	0.65	1.05	1.62
Summary	31.62	118.8	61.8	19.7	6.5	19.07	27.70	41.26

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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	11.00	9.3	3.3	1.0	0.3	0.0	25.7	20.8	16.3	5.0	4.70	8.40	16.40
02	9.50	7.3	2.8	0.8	0.4	0.0	22.0	18.3	14.4	6.0	4.40	7.60	13.60
03	8.20	5.2	2.4	1.1	0.4	0.0	13.3	9.3	6.4	2.4	4.50	7.50	11.40
04	3.50	2.4	0.8	0.4	0.2	0.0	2.0	1.0	0.5	0.1	0.30	0.90	2.40
05	0.00	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.80	0.6	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.00	0.00	0.10
11	6.80	4.5	1.9	0.6	0.3	0.1	5.6	3.7	2.0	0.6	0.70	4.70	8.80
12	11.40	8.8	3.3	1.0	0.4	0.1	20.9	13.9	10.3	2.4	6.50	9.40	15.90
Summary	51.2	38.2	14.6	5.0	2.1	0.2	89.6	67.1	50.0	16.5	21.1	38.5	68.6

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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	4.2	59.7	254.1	606.4	890.8	1064.6	984.1	706.3	319.6	66.1	2.9
45	0.0	1.0	28.7	154.6	455.1	740.8	909.5	829.0	557.4	202.4	30.2	0.6
50	0.0	0.2	12.6	81.8	312.7	590.9	754.7	674.2	412.7	114.2	11.8	0.1
55	0.0	0.0	5.3	37.0	191.4	442.8	599.7	519.2	279.8	55.4	3.6	0.0
60	0.0	0.0	1.9	13.5	100.9	301.2	445.0	365.5	166.9	22.8	0.6	0.0
Growing Degree Units for Corn (Monthly)												
50/86	0.1	2.0	33.0	138.5	346.7	584.1	732.4	663.8	429.6	164.2	31.1	1.3

Growing Degree Units (Accumulated Monthly)

40	0	4	64	318	925	1816	2880	3864	4570	4890	4956	4959
45	0	1	30	184	639	1380	2290	3119	3676	3878	3909	3909
50	0	0	13	95	407	998	1753	2427	2840	2954	2966	2966
55	0	0	5	42	234	676	1276	1795	2075	2131	2134	2134
60	0	0	2	15	116	418	862	1228	1395	1418	1418	1418
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	0	2	35	174	520	1104	1837	2501	2930	3094	3126	3127

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

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