

Summary of Monthly Normals
1991-2020

Generated on 05/01/2024

Current Location: Elev: 1260 ft. Lat: 46.9728° N Lon: 92.8700° W
Station: FLOODWOOD 3 NE, MN US USC00212842

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	17.9	-3.7	7.1	5.3	7.8	6.4	0.0	0.0	0.0	0.0	0.0	0.0	1484.6	1546.7	1639.7	1794.7	0.0	0.0	0.0	27.7	31.0	17.1
02	23.7	-0.8	11.4	6.1	7.5	6.7	0.0	0.0	0.0	0.0	0.0	0.0	1219.2	1275.3	1359.3	1499.3	0.0	0.0	0.4	21.1	27.7	14.8
03	36.3	13.0	24.6	5.1	5.9	5.4	0.9	0.7	0.3	0.0	0.0	0.0	941.9	1003.6	1096.2	1250.9	0.0	0.0	4.6	11.1	29.2	6.4
04	50.1	26.8	38.4	4.6	3.0	3.5	5.1	2.8	1.0	0.0	0.0	0.0	501.6	559.3	647.5	796.6	0.0	0.0	15.5	1.7	23.2	0.1
05	63.7	38.6	51.1	3.7	3.1	3.1	63.6	45.7	25.7	7.7	1.2	0.3	183.0	227.1	300.1	437.1	0.0	0.0	28.3	0.0	8.9	0.0
06	72.5	48.3	60.4	2.6	2.3	2.2	190.7	145.8	88.6	29.1	6.0	2.7	28.8	43.8	76.7	167.2	0.0	0.2	29.9	0.0	0.9	0.0
07	77.1	53.0	65.0	3.0	2.6	2.7	315.3	257.9	179.0	76.9	20.5	10.0	3.8	8.4	22.5	75.4	0.0	0.7	31.0	0.0	0.0	0.0
08	75.5	51.2	63.4	2.5	2.4	2.3	266.3	211.1	138.1	52.2	12.6	6.2	7.6	14.3	34.3	103.4	0.0	0.3	31.0	0.0	0.1	0.0
09	67.0	43.5	55.2	2.9	3.5	2.9	107.0	78.5	46.1	14.6	2.9	1.3	99.7	131.1	188.7	307.2	0.0	0.0	29.0	0.0	4.7	0.0
10	52.5	31.9	42.2	3.9	3.1	3.2	14.2	8.6	3.6	0.5	0.0	0.0	411.0	467.4	555.4	707.2	0.0	0.0	18.3	1.0	16.9	0.0
11	36.0	19.2	27.6	6.3	5.2	5.7	0.5	0.2	0.0	0.0	0.0	0.0	822.5	882.2	972.1	1122.0	0.0	0.0	4.2	12.5	26.8	2.1
12	23.1	5.5	14.3	5.5	6.9	6.1	0.0	0.0	0.0	0.0	0.0	0.0	1261.5	1323.6	1416.6	1571.6	0.0	0.0	0.1	24.3	30.8	11.4
Summary	49.6	27.2	38.4	4.3	4.4	4.2	964	751	482	181	43	20	6965	7483	8309	9833	0.0	1.2	192.3	99.4	200.2	51.9

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	0.63	6.1	2.3	0.1	0.1	0.34	0.57	0.84
02	0.66	4.8	2.4	0.2	0.0	0.29	0.55	0.86
03	1.15	5.9	3.3	0.5	0.2	0.58	0.97	1.46
04	2.29	7.4	5.2	1.4	0.3	1.37	2.04	3.06
05	2.93	10.6	7.3	2.1	0.6	2.31	3.13	3.42
06	4.92	11.8	7.8	3.1	1.1	3.88	5.01	5.74
07	3.89	11.1	7.5	2.7	0.9	2.47	3.50	4.66
08	3.17	8.6	5.9	2.2	1.0	2.06	2.97	4.09
09	3.50	9.3	6.4	1.8	0.6	2.16	3.31	4.77
10	2.78	9.5	6.2	1.9	0.4	1.81	2.84	3.77
11	1.24	6.4	3.6	0.8	0.2	0.56	1.00	1.82
12	0.99	7.3	3.1	0.5	0.1	0.60	0.76	1.34
Summary	28.15	98.8	61.0	17.3	5.5	18.43	26.65	35.83

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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	10.50	6.7	4.0	1.1	0.4	0.0	30.0	26.6	22.9	14.1	5.30	6.50	14.70
02	8.50	5.2	3.2	0.9	0.4	0.0	27.2	25.3	23.8	16.5	3.50	7.50	12.20
03	6.80	4.0	2.5	1.0	0.4	0.0	22.3	20.4	18.0	12.4	4.50	6.00	8.10
04	6.60	2.7	1.9	0.8	0.4	0.1	5.4	3.2	2.3	1.5	0.50	5.50	9.70
05	0.20	0.2	0.1	0.0	0.0	0.0	0.1	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	2.30	0.9	0.7	0.2	0.0	0.0	1.8	0.7	0.2	0.0	0.00	1.50	3.50
11	8.00	4.0	2.7	1.0	0.4	0.1	11.2	5.2	3.4	0.6	2.10	5.30	10.80
12	13.50	7.2	5.1	1.4	0.4	0.1	26.4	20.4	14.3	6.2	9.70	12.20	15.60
Summary	56.4	30.9	20.2	6.4	2.4	0.3	124.4	101.8	84.9	51.3	25.6	44.5	74.6

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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	0.0	0.4	14.4	93.2	356.2	611.8	776.3	723.6	459.6	152.7	21.0	0.2
45	0.0	0.0	5.5	43.4	228.8	462.8	621.4	568.7	320.1	79.0	7.1	0.0
50	0.0	0.0	2.1	16.7	129.0	319.4	466.6	414.6	199.8	36.6	1.9	0.0
55	0.0	0.0	0.9	5.1	63.6	190.7	315.3	266.3	107.0	14.2	0.5	0.0
60	0.0	0.0	0.3	1.0	25.7	88.6	179.0	138.1	46.1	3.6	0.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	0.0	0.7	13.3	76.4	227.8	369.5	489.2	450.2	278.0	93.8	14.0	0.1

Growing Degree Units (Accumulated Monthly)												
40	0	0	15	108	464	1076	1852	2576	3036	3188	3209	3209
45	0	0	6	49	278	740	1362	1931	2251	2330	2337	2337
50	0	0	2	19	148	467	934	1348	1548	1585	1587	1587
55	0	0	1	6	70	260	576	842	949	963	964	964
60	0	0	0	1	27	116	295	433	479	482	482	482
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	0	1	14	90	318	688	1177	1627	1905	1999	2013	2013

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