

Summary of Monthly Normals
1991-2020

Generated on 04/27/2024

Current Location: Elev: 1350 ft. Lat: 43.7047° N Lon: 92.5644° W

Station: GRAND MEADOW, MN US USC00213290

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	20.9	4.6	12.7	4.7	5.8	5.1	0.0	0.0	0.0	0.0	0.0	0.0	1309.4	1371.4	1464.4	1619.6	0.0	0.0	0.2	25.8	31.0	12.4
02	25.3	8.2	16.8	6.1	7.0	6.5	0.0	0.0	0.0	0.0	0.0	0.0	1070.8	1126.8	1210.8	1351.0	0.0	0.0	0.4	19.9	27.6	8.7
03	37.9	20.1	29.0	5.8	5.2	5.4	2.6	1.7	0.7	0.1	0.0	0.0	808.6	869.7	961.7	1116.1	0.0	0.0	5.5	9.5	26.5	2.4
04	53.5	31.9	42.7	4.7	3.4	3.9	16.1	10.5	5.1	1.3	0.0	0.0	385.2	439.6	524.2	670.3	0.0	0.0	18.4	1.3	15.3	0.0
05	66.1	44.3	55.2	3.6	3.2	3.1	116.1	88.3	54.8	21.6	6.1	3.0	110.0	144.2	203.6	325.4	0.0	0.4	28.9	0.1	2.2	0.0
06	76.2	55.7	66.0	2.4	2.1	2.1	335.3	280.5	203.2	97.2	32.7	19.0	6.9	12.1	24.9	68.8	0.0	1.3	30.0	0.0	0.0	0.0
07	79.3	58.6	69.0	3.3	2.5	2.8	433.0	371.8	282.1	146.6	52.3	29.9	0.6	1.4	4.7	24.2	0.0	1.6	31.0	0.0	0.0	0.0
08	77.4	56.0	66.7	2.4	2.6	2.3	363.9	303.7	217.5	99.2	30.9	16.5	1.3	3.1	9.9	46.5	0.0	0.6	31.0	0.0	0.0	0.0
09	71.1	47.8	59.4	3.5	3.1	3.1	184.8	144.8	94.9	38.3	10.3	4.9	51.5	71.4	111.6	204.8	0.0	0.2	29.5	0.0	1.2	0.0
10	57.2	35.3	46.2	3.7	2.8	3.0	33.6	23.0	12.5	3.7	0.8	0.5	304.8	356.3	438.7	584.9	0.0	0.0	22.8	0.3	12.0	0.0
11	40.6	23.4	32.0	6.5	4.7	5.5	1.2	0.5	0.0	0.0	0.0	0.0	691.2	750.5	840.0	990.0	0.0	0.0	7.1	8.0	24.6	0.5
12	27.1	12.2	19.6	5.4	5.7	5.4	0.0	0.0	0.0	0.0	0.0	0.0	1095.7	1157.7	1250.7	1405.8	0.0	0.0	0.6	20.3	30.3	6.2
Summary	52.7	33.2	42.9	4.3	4.0	4.0	1487	1225	871	408	133	74	5836	6304	7045	8407	0.0	4.1	205.4	85.2	170.7	30.2

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	2.9	0.5	0.0	0.62	0.92	1.27
02	0.87	5.4	2.4	0.3	0.0	0.53	0.79	1.15
03	1.85	6.9	4.3	1.1	0.2	1.18	1.79	2.39
04	3.90	10.7	7.2	2.8	0.8	2.27	3.50	5.42
05	5.06	13.0	8.8	3.5	1.2	3.78	4.51	5.79
06	5.70	12.0	9.0	4.0	1.6	4.55	5.61	6.86
07	4.66	9.3	7.0	3.2	1.6	3.06	4.62	5.96
08	4.22	9.4	7.1	3.0	1.2	2.63	3.98	5.12
09	4.07	8.7	6.1	2.4	1.2	1.82	2.90	4.33
10	2.95	8.7	5.5	1.8	0.7	1.30	2.45	3.56
11	1.82	6.7	4.0	1.2	0.3	0.75	1.59	2.66
12	1.25	7.3	3.7	0.6	0.1	0.59	1.24	1.63
Summary	37.37	104.6	68.0	24.4	8.9	23.08	33.90	46.14

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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	7.0	4.3	1.5	0.6	0.1	24.9	19.1	15.9	7.7	6.50	9.80	13.60
02	10.80	5.4	3.7	1.4	0.6	0.1	21.7	18.5	15.8	8.9	7.30	9.30	13.50
03	8.50	3.9	2.3	0.9	0.5	0.1	13.7	10.7	8.7	4.4	4.00	7.70	12.00
04	2.90	1.6	1.1	0.4	0.1	0.0	2.0	0.9	0.4	0.0	0.00	0.70	4.10
05	0.50	0.1	0.1	0.1	0.1	0.0	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	0.0	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	0.60	0.5	0.3	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.00	0.00	0.50
11	2.50	2.7	1.4	0.4	0.1	0.0	2.7	1.1	0.2	0.0	0.30	2.00	4.30
12	13.80	6.9	4.3	1.5	0.6	0.1	18.5	13.0	9.2	4.1	7.10	10.40	17.10
Summary	50.6	28.1	17.5	6.2	2.6	0.4	84.0	63.4	50.3	25.1	25.2	39.9	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	0.0	1.5	34.4	165.4	474.9	778.2	897.3	827.5	584.4	243.7	43.1	2.7
45	0.0	0.2	15.5	88.1	331.8	628.3	742.3	672.6	438.9	145.5	18.3	0.9
50	0.0	0.0	6.6	40.5	209.2	479.1	587.3	517.7	303.4	76.0	5.5	0.1
55	0.0	0.0	2.6	16.1	116.1	335.3	433.0	363.9	184.8	33.6	1.2	0.0
60	0.0	0.0	0.7	5.1	54.8	203.2	282.1	217.5	94.9	12.5	0.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	0.1	0.6	22.8	108.3	274.2	485.5	584.7	525.2	353.9	147.9	27.8	1.6

Growing Degree Units (Accumulated Monthly)												
40	0	2	36	201	676	1454	2352	3179	3764	4007	4050	4053
45	0	0	16	104	436	1064	1806	2479	2918	3063	3082	3082
50	0	0	7	47	256	735	1323	1840	2144	2220	2225	2225
55	0	0	3	19	135	470	903	1267	1452	1485	1487	1487
60	0	0	1	6	61	264	546	763	858	871	871	871
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	0	1	24	132	406	892	1476	2001	2355	2503	2531	2533

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