

Summary of Monthly Normals
1991-2020

Generated on 04/26/2024

Current Location: Elev: 1265 ft. Lat: 46.7053° N Lon: 92.5239° W

Station: CLOQUET, MN US USC00211630

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	18.2	1.7	9.9	5.0	6.6	5.7	0.0	0.0	0.0	0.0	0.0	0.0	1396.4	1458.4	1551.4	1706.4	0.0	0.0	0.0	26.5	30.8	14.7
02	24.0	4.6	14.3	5.5	7.2	6.2	0.0	0.0	0.0	0.0	0.0	0.0	1139.5	1195.5	1279.5	1419.5	0.0	0.0	0.3	19.3	27.7	11.5
03	36.8	16.1	26.4	5.0	5.5	5.1	0.4	0.2	0.0	0.0	0.0	0.0	885.5	947.3	1040.1	1195.1	0.0	0.0	5.7	8.5	28.8	4.5
04	50.4	27.9	39.1	4.8	3.0	3.7	3.7	1.8	0.7	0.1	0.0	0.0	479.2	537.4	626.2	775.6	0.0	0.0	17.3	0.9	22.3	0.1
05	64.3	38.4	51.4	3.9	2.6	3.1	56.4	38.3	19.6	4.8	0.4	0.1	169.6	213.6	287.8	428.0	0.0	0.3	29.1	0.0	7.4	0.0
06	73.5	47.8	60.7	2.9	1.9	2.1	192.8	147.5	90.9	30.5	6.3	2.9	23.4	38.1	71.4	161.0	0.0	1.0	30.0	0.0	0.6	0.0
07	78.5	54.0	66.3	3.5	2.0	2.7	350.1	290.1	205.5	92.0	27.0	13.7	1.5	3.5	11.9	53.4	0.1	3.1	31.0	0.0	0.0	0.0
08	76.2	53.0	64.6	2.8	2.4	2.4	301.9	244.7	165.8	66.9	17.0	8.6	4.3	9.2	23.3	79.4	0.0	1.2	31.0	0.0	0.0	0.0
09	67.2	45.6	56.4	3.1	2.7	2.7	121.0	90.2	53.4	16.8	2.9	1.2	79.1	108.3	161.5	274.9	0.0	0.1	29.7	0.0	2.6	0.0
10	51.7	34.3	43.0	3.6	2.9	3.0	13.0	7.6	2.8	0.4	0.1	0.0	385.0	441.6	529.7	682.3	0.0	0.0	19.7	0.7	14.3	0.0
11	35.0	21.9	28.4	6.3	5.0	5.6	0.2	0.1	0.0	0.0	0.0	0.0	796.7	856.6	946.5	1096.5	0.0	0.0	4.5	10.5	25.7	1.1
12	22.7	9.0	15.8	5.0	6.0	5.4	0.0	0.0	0.0	0.0	0.0	0.0	1213.5	1275.5	1368.5	1523.5	0.0	0.0	0.0	22.9	30.5	9.0
Summary	49.9	29.5	39.7	4.3	4.0	4.0	1040	821	539	212	54	26	6574	7085	7898	9396	0.1	5.7	198.3	89.3	190.7	40.9

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	1.00	9.8	3.1	0.3	0.1	0.56	0.90	1.31
02	0.98	8.4	3.0	0.3	0.0	0.59	0.85	1.34
03	1.44	8.6	4.1	0.5	0.2	0.84	1.27	1.83
04	2.41	9.9	5.8	1.4	0.4	1.22	2.33	3.22
05	3.48	11.9	7.7	2.3	0.7	2.15	3.52	4.51
06	4.75	13.3	7.9	3.2	1.3	3.60	4.70	5.58
07	4.33	12.2	7.2	3.0	1.3	3.06	3.84	5.53
08	4.18	10.7	6.9	2.8	1.3	2.36	4.07	5.82
09	3.56	11.1	6.4	2.4	0.9	2.02	3.42	4.83
10	3.26	12.1	6.1	1.8	0.8	2.19	3.02	4.30
11	1.82	9.6	4.0	1.0	0.3	1.04	1.49	2.61
12	1.46	11.1	3.9	0.6	0.1	0.88	1.44	1.81
Summary	32.67	128.7	66.1	19.6	7.4	20.51	30.85	42.69

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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	13.50	12.3	4.0	1.1	0.4	0.0	30.6	29.0	28.2	20.9	7.50	11.50	19.10
02	13.50	9.2	4.0	1.4	0.5	0.1	28.5	27.7	26.8	23.4	7.00	11.20	18.60
03	10.30	5.6	3.1	1.1	0.3	0.0	27.2	26.6	25.8	20.9	6.50	9.10	13.50
04	6.40	2.6	1.6	0.7	0.3	0.0	7.8	6.5	5.5	3.7	0.50	2.80	9.50
05	0.30	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	1.80	1.1	0.6	0.2	0.1	0.0	1.3	0.7	0.2	0.0	0.00	0.30	2.30
11	9.60	6.9	2.6	1.0	0.4	0.0	14.4	10.8	7.3	1.3	2.90	7.40	13.10
12	15.90	12.7	4.4	1.5	0.6	0.1	28.1	25.0	20.7	11.2	7.00	13.20	21.00
Summary	71.3	50.6	20.4	7.0	2.6	0.2	138.0	126.3	114.5	81.4	31.4	55.5	97.1

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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	0.3	14.2	95.2	359.0	619.4	813.4	762.4	493.1	164.1	20.4	0.1
45	0.0	0.0	4.5	41.5	226.2	469.7	658.5	607.4	349.7	83.7	6.4	0.0
50	0.0	0.0	1.7	14.6	122.2	323.7	503.6	452.8	222.5	37.2	1.3	0.0
55	0.0	0.0	0.4	3.7	56.4	192.8	350.1	301.9	121.0	13.0	0.2	0.0
60	0.0	0.0	0.0	0.7	19.6	90.9	205.5	165.8	53.4	2.8	0.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	0.0	0.3	12.2	77.9	233.0	378.1	516.3	476.0	286.8	85.9	9.1	0.0

Growing Degree Units (Accumulated Monthly)												
40	0	0	14	110	469	1088	1902	2664	3157	3321	3342	3342
45	0	0	4	46	272	742	1400	2008	2358	2441	2448	2448
50	0	0	2	16	138	462	966	1419	1641	1678	1680	1680
55	0	0	0	4	60	253	603	905	1026	1039	1040	1040
60	0	0	0	1	20	111	317	482	536	539	539	539
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	0	0	12	90	323	702	1218	1694	1981	2066	2076	2076

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

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