

Summary of Monthly Normals
1991-2020

Current Location: Elev: 795 ft. Lat: 44.3222° N Lon: 93.9656° W
Station: **ST PETER, MN US USC00217405**

Generated on 06/03/2024

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	21.9	3.1	12.5	4.9	6.2	5.4	0.0	0.0	0.0	0.0	0.0	0.0	1317.1	1379.1	1472.2	1627.3	0.0	0.0	0.2	23.3	30.8	12.4
02	26.7	6.9	16.8	6.6	7.7	7.0	0.0	0.0	0.0	0.0	0.0	0.0	1069.4	1125.4	1209.5	1349.6	0.0	0.0	0.9	17.6	27.3	8.5
03	39.9	20.6	30.3	5.9	5.3	5.5	3.0	1.9	0.8	0.1	0.0	0.0	770.4	831.3	923.2	1077.4	0.0	0.0	7.1	8.1	26.0	2.1
04	54.8	32.9	43.9	4.7	3.9	4.1	22.7	15.2	7.7	1.7	0.3	0.1	357.1	409.7	492.2	636.2	0.0	0.1	19.9	1.0	12.3	0.0
05	67.8	46.3	57.0	3.9	2.9	3.2	149.9	116.0	75.0	31.6	9.8	5.3	86.4	114.6	166.6	278.1	0.0	0.9	29.6	0.0	1.3	0.0
06	77.8	57.0	67.4	2.7	2.0	2.1	375.8	319.5	239.5	124.9	47.0	28.7	4.0	7.7	17.7	53.0	0.0	2.6	30.0	0.0	0.0	0.0
07	81.9	61.2	71.5	3.2	2.5	2.8	512.9	451.1	359.4	213.3	94.9	61.3	0.0	0.2	1.5	10.3	0.1	4.1	31.0	0.0	0.0	0.0
08	79.4	58.8	69.1	2.4	2.5	2.3	437.7	376.8	287.7	153.8	57.9	34.4	0.8	1.8	5.7	26.8	0.0	1.9	31.0	0.0	0.0	0.0
09	72.2	48.7	60.4	3.2	3.4	3.0	207.1	164.8	111.0	47.9	14.3	7.8	43.8	61.5	97.6	184.4	0.0	0.8	29.8	0.0	0.9	0.0
10	58.2	35.4	46.8	4.1	2.8	3.1	37.6	26.2	14.0	3.9	0.6	0.3	291.8	342.4	423.2	568.1	0.0	0.0	23.8	0.3	10.3	0.0
11	41.8	22.7	32.2	6.8	4.8	5.7	1.9	0.9	0.2	0.0	0.0	0.0	684.3	743.4	832.7	982.5	0.0	0.0	8.1	6.9	23.5	0.5
12	27.5	10.9	19.2	5.6	5.6	5.3	0.0	0.0	0.0	0.0	0.0	0.0	1109.6	1171.6	1264.6	1419.7	0.0	0.0	1.0	18.0	30.2	6.3
Summary	54.2	33.7	43.9	4.5	4.1	4.1	1749	1472	1095	577	225	138	5735	6189	6907	8213	0.1	10.4	212.4	75.2	162.6	29.8

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	0.96	5.0	2.5	0.4	0.2	0.42	0.92	1.30
02	0.96	4.3	2.8	0.5	0.1	0.45	0.94	1.37
03	1.79	5.9	4.1	1.4	0.2	1.35	1.64	2.27
04	3.06	8.2	5.7	1.9	0.5	1.70	2.59	4.03
05	4.04	10.2	7.3	2.9	1.0	2.41	3.66	5.41
06	5.13	10.6	7.9	3.1	1.3	3.55	4.66	6.44
07	4.41	8.9	6.7	2.5	1.2	2.74	4.12	5.73
08	3.56	8.0	5.5	2.3	1.2	1.78	3.58	4.99
09	3.16	7.0	4.7	2.0	0.6	1.68	2.39	4.44
10	2.50	6.8	4.6	1.6	0.4	1.20	1.84	3.80
11	1.68	4.7	3.5	1.1	0.4	1.02	1.37	2.22
12	1.17	5.3	3.4	0.6	0.0	0.55	1.05	1.72
Summary	32.42	84.9	58.7	20.3	7.1	18.85	28.76	43.72

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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	8.80	4.3	2.8	0.8	0.3	0.0	20.9	18.6	15.6	6.2	6.00	7.50	9.40
02	8.20	3.1	2.5	0.9	0.4	0.1	16.2	12.9	9.8	5.7	2.50	8.50	10.90
03	4.20	1.5	1.0	0.4	0.3	0.0	10.1	7.2	5.8	2.9	0.60	4.00	6.70
04	2.70	0.6	0.5	0.4	0.2	0.0	0.9	0.6	0.3	0.0	0.00	0.00	3.60
05	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
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	0.20	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.00	0.00	0.00
11	3.20	1.7	1.2	0.6	0.2	0.0	2.9	1.2	0.7	0.0	0.00	0.90	4.20
12	10.60	3.5	2.4	1.2	0.5	0.0	14.1	10.7	7.6	2.1	3.70	10.30	13.00
Summary	37.9	14.8	10.5	4.3	1.9	0.1	65.2	51.3	39.8	16.9	12.8	31.2	47.8

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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	2.6	42.7	191.9	530.8	821.8	977.9	902.0	614.0	256.7	46.1	1.9
45	0.0	0.5	19.6	109.5	385.9	671.8	822.9	746.9	466.9	153.9	20.0	0.3
50	0.0	0.1	8.1	54.3	256.0	522.2	667.9	591.9	328.4	81.5	7.1	0.0
55	0.0	0.0	3.0	22.7	149.9	375.8	512.9	437.7	207.1	37.6	1.9	0.0
60	0.0	0.0	0.8	7.7	75.0	239.5	359.4	287.7	111.0	14.0	0.2	0.0
Growing Degree Units for Corn (Monthly)												
50/86	0.2	2.2	30.2	123.2	308.0	521.3	654.1	590.5	373.7	161.1	34.8	1.6

Growing Degree Units (Accumulated Monthly)												
40	0	3	45	237	768	1590	2568	3470	4084	4340	4386	4388
45	0	0	20	130	516	1187	2010	2757	3224	3378	3398	3398
50	0	0	8	62	318	841	1509	2100	2429	2510	2518	2518
55	0	0	3	26	176	551	1064	1502	1709	1747	1749	1749
60	0	0	1	8	84	323	682	970	1081	1095	1095	1095
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	0	2	33	156	464	985	1639	2230	2603	2764	2799	2801

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