

Summary of Monthly Normals
1991-2020

Generated on 06/03/2024

Current Location: Elev: 946 ft. Lat: 44.8497° N Lon: 93.5644° W
Station: CHANHASSEN WSFO, MN US USC00211448

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	22.4	5.6	14.0	4.6	6.0	5.2	0.0	0.0	0.0	0.0	0.0	0.0	1270.8	1332.8	1425.8	1580.8	0.0	0.0	0.2	24.0	30.8	11.7
02	27.0	9.0	18.0	6.1	7.1	6.5	0.0	0.0	0.0	0.0	0.0	0.0	1035.9	1091.9	1175.9	1315.9	0.0	0.0	0.8	18.5	26.9	7.4
03	40.2	21.7	31.0	5.6	5.4	5.4	4.1	2.6	1.2	0.2	0.0	0.0	749.7	810.2	901.8	1055.8	0.0	0.0	6.9	8.0	24.9	1.6
04	55.2	34.8	45.0	4.4	3.8	4.0	23.5	15.3	7.3	1.9	0.2	0.0	323.5	375.3	457.3	601.9	0.0	0.1	20.2	0.8	11.0	0.0
05	67.8	46.8	57.3	3.5	2.9	3.1	143.2	109.7	69.9	28.1	9.1	5.4	72.0	100.4	153.6	266.9	0.0	0.7	29.7	0.0	1.2	0.0
06	77.4	57.6	67.5	2.4	2.2	2.1	377.9	321.1	239.8	122.7	44.9	27.0	3.0	6.2	15.0	47.9	0.0	1.5	30.0	0.0	0.0	0.0
07	81.4	62.1	71.7	3.2	2.2	2.6	519.2	457.3	365.4	217.6	95.9	61.0	0.0	0.2	1.2	8.5	0.0	3.0	31.0	0.0	0.0	0.0
08	79.1	59.7	69.4	2.3	2.3	2.2	446.4	384.8	293.7	154.2	56.1	32.3	0.1	0.5	2.3	17.9	0.0	1.3	31.0	0.0	0.0	0.0
09	71.4	51.1	61.3	3.1	2.8	2.8	221.7	177.6	120.3	53.0	16.9	9.5	34.3	50.2	82.9	165.6	0.0	0.5	29.9	0.0	0.3	0.0
10	57.1	37.8	47.4	4.2	2.9	3.3	38.9	27.3	15.4	4.8	0.8	0.4	273.0	323.3	404.4	548.8	0.0	0.0	22.6	0.3	8.4	0.0
11	40.6	24.9	32.7	6.8	4.6	5.6	1.8	0.7	0.1	0.0	0.0	0.0	669.4	728.2	817.6	967.5	0.0	0.0	8.0	7.5	22.7	0.3
12	27.2	12.3	19.8	5.3	5.9	5.5	0.0	0.0	0.0	0.0	0.0	0.0	1092.6	1154.6	1247.6	1402.6	0.0	0.0	0.5	20.0	30.0	6.0
Summary	53.9	35.3	44.6	4.3	4.0	4.0	1777	1496	1113	582	224	136	5524	5974	6685	7980	0.0	7.1	210.8	79.1	156.2	27.0

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	0.87	8.9	2.6	0.2	0.0	0.46	0.77	1.13
02	0.94	7.5	2.7	0.6	0.0	0.60	0.85	1.21
03	1.56	8.9	4.3	0.8	0.1	1.07	1.42	2.00
04	3.16	10.9	6.3	2.2	0.8	2.35	2.79	3.64
05	4.36	12.7	7.9	2.9	1.3	2.72	4.78	5.22
06	4.40	12.2	7.4	2.8	1.2	3.29	4.07	4.90
07	3.87	10.1	5.8	2.4	1.3	2.90	3.95	4.74
08	4.76	10.0	5.8	2.9	1.4	2.75	4.50	6.42
09	3.29	9.4	5.4	1.7	0.8	1.50	3.10	4.54
10	2.66	10.0	4.8	1.7	0.4	1.10	2.47	3.75
11	1.73	7.6	3.4	1.0	0.2	0.77	1.35	2.00
12	1.21	9.3	3.1	0.5	0.1	0.66	1.09	1.69
Summary	32.81	117.5	59.5	19.7	7.6	20.17	31.14	41.24

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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	10.00	9.4	3.0	0.9	0.3	0.1	26.0	20.1	15.5	4.5	4.70	10.00	13.20
02	11.20	7.1	3.0	1.3	0.6	0.1	22.8	19.2	14.8	6.4	4.70	10.70	16.20
03	9.10	5.5	2.5	1.1	0.4	0.1	15.0	11.2	8.2	3.2	4.70	9.60	13.50
04	5.40	2.5	1.2	0.6	0.5	0.0	2.5	1.5	0.7	0.1	0.50	1.70	6.70
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	0.60	0.8	0.1	0.0	0.0	0.0	0.3	0.1	0.0	0.0	0.00	0.00	0.20
11	5.10	4.2	1.5	0.6	0.2	0.0	5.1	2.7	1.0	0.0	1.30	4.40	8.20
12	13.30	8.9	3.6	1.4	0.6	0.0	19.1	13.5	9.3	2.4	6.20	11.20	19.70
Summary	54.7	38.5	14.9	5.9	2.6	0.3	90.8	68.3	49.5	16.6	22.1	47.6	77.7

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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	0.1	2.9	47.1	214.5	537.5	824.6	983.9	911.1	637.4	268.2	50.4	1.7
45	0.0	0.6	22.7	123.8	388.8	674.7	828.9	756.1	489.2	162.6	21.6	0.3
50	0.0	0.1	9.9	59.9	252.7	525.0	674.1	601.2	348.2	87.5	7.7	0.0
55	0.0	0.0	4.1	23.5	143.2	377.9	519.2	446.4	221.7	38.9	1.8	0.0
60	0.0	0.0	1.2	7.3	69.9	239.8	365.4	293.7	120.3	15.4	0.1	0.0
Growing Degree Units for Corn (Monthly)												
50/86	0.1	2.1	28.8	124.4	306.3	525.9	663.2	597.8	379.1	148.7	28.3	1.1
Growing Degree Units (Accumulated Monthly)												
40	0	3	50	265	802	1627	2611	3522	4159	4427	4478	4479
45	0	1	23	147	536	1211	2040	2796	3285	3447	3469	3469
50	0	0	10	70	323	848	1522	2123	2471	2559	2566	2566
55	0	0	4	28	171	549	1068	1514	1736	1775	1777	1777
60	0	0	1	8	78	318	684	977	1098	1113	1113	1113
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	0	2	31	155	462	988	1651	2249	2628	2776	2805	2806

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