

Summary of Monthly Normals
1991-2020

Generated on 06/04/2024

Current Location: Elev: 1512 ft. Lat: 40.0297° N Lon: 98.0758° W
Station: **SUPERIOR, NE US USC00258320**

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	36.7	13.7	25.2	5.1	3.8	4.1	0.0	0.0	0.0	0.0	0.0	0.0	923.6	985.7	1078.7	1233.7	0.0	0.0	7.1	10.5	30.0	3.5
02	41.5	17.1	29.3	7.1	4.8	5.7	0.7	0.3	0.0	0.0	0.0	0.0	720.1	775.8	859.6	999.5	0.0	0.0	10.1	7.2	25.1	2.2
03	53.4	26.5	40.0	5.5	4.6	4.7	11.8	7.0	3.0	0.6	0.0	0.0	478.4	535.6	624.6	777.2	0.0	0.0	19.8	1.4	21.2	0.5
04	64.2	36.6	50.4	3.9	3.7	3.5	59.9	42.2	23.7	6.8	1.2	0.3	197.9	240.2	311.7	444.8	0.0	0.5	26.6	0.1	7.7	0.0
05	74.1	49.3	61.7	3.7	2.6	2.9	244.7	199.7	140.4	66.2	24.4	14.5	37.0	54.0	87.7	168.5	0.2	2.7	30.9	0.0	0.6	0.0
06	84.7	60.1	72.4	3.2	2.2	2.5	522.5	463.2	375.4	237.3	122.0	85.8	0.7	1.3	3.5	15.5	0.8	10.4	30.0	0.0	0.0	0.0
07	88.7	64.6	76.7	3.1	2.5	2.6	671.0	609.1	516.1	363.2	219.8	168.0	0.0	0.0	0.0	2.1	3.1	16.6	31.0	0.0	0.0	0.0
08	86.4	62.0	74.2	3.1	2.8	2.7	595.1	533.2	441.0	291.5	159.9	116.6	0.0	0.1	0.9	6.3	2.1	12.7	31.0	0.0	0.0	0.0
09	79.8	52.7	66.2	3.5	3.7	3.4	349.9	297.0	223.9	124.6	57.8	39.4	12.5	19.6	36.5	87.1	0.3	6.2	29.9	0.0	0.2	0.0
10	66.6	39.1	52.9	4.2	2.8	3.2	92.6	68.5	40.6	14.2	3.9	2.0	159.3	197.2	262.3	390.8	0.0	0.7	28.5	0.2	6.8	0.0
11	52.0	25.9	39.0	5.8	3.8	4.5	7.5	4.7	2.0	0.1	0.0	0.0	488.9	546.1	633.4	781.6	0.0	0.0	18.8	2.0	21.1	0.2
12	39.4	16.7	28.1	4.8	3.7	4.0	0.0	0.0	0.0	0.0	0.0	0.0	835.2	897.3	990.3	1145.3	0.0	0.0	8.6	8.4	29.7	1.4
Summary	64.0	38.7	51.3	4.4	3.4	3.7	2556	2225	1766	1104	589	427	3854	4253	4889	6052	6.5	49.8	272.3	29.8	142.4	7.8

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	0.70	5.3	2.1	0.2	0.0	0.35	0.66	0.99	
02	0.82	5.1	2.3	0.3	0.0	0.45	0.77	1.14	
03	1.55	7.3	3.6	0.9	0.2	0.77	1.26	2.20	
04	2.34	9.2	5.6	1.5	0.3	1.53	2.21	2.80	
05	4.51	10.7	6.9	3.0	1.2	2.11	4.10	5.31	
06	4.01	9.6	5.9	2.6	1.1	2.05	3.56	5.54	
07	4.06	9.1	6.1	2.8	1.2	2.59	3.33	4.42	
08	3.36	8.5	5.2	2.4	1.0	2.17	3.22	4.64	
09	2.27	6.4	3.8	1.6	0.5	1.11	1.88	3.36	
10	1.96	6.5	3.8	1.2	0.5	0.79	1.48	2.48	
11	1.29	4.8	2.5	0.6	0.3	0.62	0.91	1.58	
12	1.02	4.8	2.2	0.6	0.1	0.35	0.81	1.45	
Summary	27.89	87.3	50.0	17.7	6.4	14.89	24.19	35.91	

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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	5.50	4.0	1.8	0.5	0.2	0.0	9.9	4.1	2.4	0.5	3.10	4.40	7.10
02	6.00	3.7	1.9	0.7	0.3	0.0	8.8	5.7	3.4	0.7	1.90	5.30	9.70
03	2.90	2.3	0.8	0.3	0.1	0.0	3.0	1.3	0.8	0.2	0.60	2.00	2.70
04	0.70	0.6	0.2	0.0	0.0	0.0	0.4	0.1	0.1	0.0	0.00	0.00	0.70
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	0.40	0.3	0.0	0.0	0.0	0.0	0.3	0.1	0.1	0.0	0.00	0.00	0.00
11	1.80	1.6	0.5	0.2	0.1	0.0	1.7	0.8	0.4	0.1	0.00	0.80	1.70
12	4.00	3.1	1.5	0.4	0.1	0.0	7.8	2.7	1.1	0.1	1.00	3.00	6.20
Summary	21.3	15.6	6.7	2.1	0.8	0.0	31.9	14.8	8.3	1.6	6.6	15.5	28.1

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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	7.0	29.6	137.8	335.9	673.0	971.8	1136.0	1060.1	787.4	415.7	109.3	11.8
45	1.0	11.5	72.8	217.4	519.9	821.7	981.0	905.0	637.9	284.4	53.5	2.5
50	0.0	3.4	32.7	124.5	374.4	671.8	826.0	750.0	491.0	174.5	21.9	0.2
55	0.0	0.7	11.8	59.9	244.7	522.5	671.0	595.1	349.9	92.6	7.5	0.0
60	0.0	0.0	3.0	23.7	140.4	375.4	516.1	441.0	223.9	40.6	2.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	15.7	37.3	120.7	231.2	418.1	638.8	757.1	705.3	506.7	278.9	97.9	20.4

Growing Degree Units (Accumulated Monthly)												
40	7	37	174	510	1183	2155	3291	4351	5139	5554	5664	5675
45	1	12	85	303	823	1644	2625	3530	4168	4453	4506	4509
50	0	3	36	161	535	1207	2033	2783	3274	3448	3470	3470
55	0	1	12	72	317	840	1511	2106	2456	2548	2556	2556
60	0	0	3	27	167	542	1059	1500	1724	1764	1766	1766
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	16	53	174	405	823	1462	2219	2924	3431	3710	3808	3828

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