

Summary of Monthly Normals
1991-2020

Generated on 04/29/2024

Current Location: Elev: 1812 ft. Lat: 41.2078° N Lon: 98.4608° W
Station: SAINT PAUL, NE US USC00257515

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	35.4	14.3	24.9	5.3	4.2	4.6	0.0	0.0	0.0	0.0	0.0	0.0	934.4	996.4	1089.4	1244.3	0.0	0.0	5.2	12.5	30.5	4.3
02	40.9	18.0	29.4	7.1	5.6	6.1	0.4	0.1	0.0	0.0	0.0	0.0	715.5	771.3	855.1	995.1	0.0	0.0	8.5	7.9	25.8	2.5
03	54.0	28.1	41.1	5.9	4.7	5.0	13.1	7.7	2.8	0.4	0.1	0.0	445.7	502.3	590.4	743.0	0.0	0.0	19.1	2.2	22.4	0.7
04	64.9	38.2	51.6	3.5	3.1	3.1	71.9	52.3	30.3	10.8	2.7	1.2	175.4	215.9	283.9	414.3	0.0	0.2	26.2	0.2	7.6	0.0
05	73.9	49.9	61.9	3.7	2.3	2.8	243.7	197.9	136.8	61.3	19.4	10.9	29.8	45.9	77.9	157.5	0.0	2.0	30.9	0.0	0.5	0.0
06	84.3	60.0	72.2	3.1	2.2	2.5	515.0	455.9	368.9	233.7	122.0	87.4	0.7	1.5	4.6	19.4	0.1	7.7	30.0	0.0	0.0	0.0
07	88.8	65.0	76.9	3.3	2.4	2.6	678.7	616.7	523.8	370.2	225.9	174.0	0.0	0.0	0.1	1.6	2.1	14.0	31.0	0.0	0.0	0.0
08	86.6	63.0	74.8	2.7	2.1	2.2	613.7	551.9	459.7	309.0	171.1	124.4	0.1	0.3	1.0	5.4	0.8	10.8	31.0	0.0	0.0	0.0
09	80.0	53.6	66.8	3.3	2.9	2.8	363.6	309.4	234.1	130.6	59.7	39.4	9.8	15.6	30.3	76.8	0.1	4.6	29.9	0.0	0.4	0.0
10	66.5	40.4	53.5	4.1	2.7	3.1	94.2	68.6	39.9	13.2	3.7	2.1	142.3	178.7	243.1	371.3	0.0	0.4	28.0	0.3	6.1	0.0
11	50.1	27.7	38.9	5.8	3.7	4.4	6.2	3.4	1.3	0.1	0.0	0.0	489.1	546.3	634.2	782.9	0.0	0.0	14.7	3.4	21.6	0.3
12	38.0	18.2	28.1	4.4	3.6	3.8	0.0	0.0	0.0	0.0	0.0	0.0	833.6	895.6	988.6	1143.6	0.0	0.0	5.1	9.7	30.1	1.6
Summary	63.6	39.7	51.7	4.3	3.3	3.6	2600	2264	1798	1129	605	439	3776	4170	4799	5955	3.1	39.7	259.6	36.2	145.0	9.4

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	0.55	3.8	1.5	0.3	0.0	0.21	0.40	0.78	
02	0.70	4.8	2.1	0.2	0.1	0.36	0.62	0.95	
03	1.57	6.2	3.8	0.9	0.3	0.61	1.06	2.38	
04	2.73	8.6	5.3	1.7	0.7	1.71	2.61	3.71	
05	4.47	10.9	7.5	3.1	1.3	3.00	4.40	5.38	
06	4.01	9.6	6.7	2.6	1.0	2.43	3.88	5.84	
07	3.47	8.8	5.4	2.1	1.2	1.49	2.67	5.01	
08	3.47	8.2	5.3	2.3	1.1	1.27	3.05	4.55	
09	2.13	6.3	3.8	1.2	0.5	0.98	1.80	3.19	
10	2.18	6.7	4.0	1.1	0.5	1.06	1.80	3.13	
11	1.18	4.2	2.6	0.9	0.2	0.24	1.00	1.77	
12	0.86	4.0	2.0	0.5	0.1	0.13	0.56	1.38	
Summary	27.32	82.1	50.0	16.9	7.0	13.49	23.85	38.07	

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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	4.70	2.6	1.7	0.6	0.3	0.1	11.4	5.2	1.3	0.2	1.80	4.10	6.00
02	6.20	3.1	2.3	0.9	0.3	0.0	10.2	6.7	3.8	0.7	2.00	5.90	9.70
03	3.00	1.3	1.1	0.4	0.2	0.0	3.8	1.9	1.2	0.2	0.00	2.00	4.00
04	1.80	0.8	0.7	0.1	0.1	0.0	0.9	0.3	0.1	0.0	0.00	0.00	3.00
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	0.2	0.1	0.1	0.0	0.0	0.3	0.1	0.0	0.0	0.00	0.00	0.00
11	2.20	1.3	1.0	0.2	0.1	0.0	2.1	1.0	0.5	0.0	0.00	1.00	3.00
12	4.10	2.6	1.8	0.5	0.1	0.0	8.5	3.4	0.7	0.0	1.00	3.00	7.00
Summary	22.4	11.9	8.7	2.8	1.1	0.1	37.2	18.6	7.6	1.1	4.8	16.0	32.7

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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	7.4	27.2	157.9	364.7	679.2	964.3	1143.7	1078.6	803.9	431.5	108.2	8.6
45	0.8	8.3	84.4	240.3	525.5	814.3	988.7	923.6	654.4	297.6	53.1	1.3
50	0.0	2.4	37.2	140.6	376.3	664.3	833.6	768.6	506.6	181.5	21.3	0.1
55	0.0	0.4	13.1	71.9	243.7	515.0	678.7	613.7	363.6	94.2	6.2	0.0
60	0.0	0.0	2.8	30.3	136.8	368.9	523.8	459.7	234.1	39.9	1.3	0.0
Growing Degree Units for Corn (Monthly)												
50/86	14.3	31.4	127.9	240.0	415.8	631.3	763.6	719.9	514.4	276.5	83.0	12.2

Growing Degree Units (Accumulated Monthly)												
40	7	35	192	557	1236	2201	3344	4423	5227	5658	5767	5775
45	1	9	94	334	859	1674	2662	3586	4240	4538	4591	4592
50	0	2	40	180	556	1221	2054	2823	3330	3511	3532	3532
55	0	0	14	85	329	844	1523	2136	2500	2594	2600	2600
60	0	0	3	33	170	539	1063	1522	1756	1796	1798	1798
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	14	46	174	414	829	1461	2224	2944	3459	3735	3818	3830

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