

Summary of Monthly Normals
1991-2020

Generated on 04/27/2024

Current Location: Elev: 1420 ft. Lat: 42.8931° N Lon: 95.0653° W

Station: SIOUX RAPIDS 4 E, IA US USC00137726

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	25.3	8.2	16.7	5.3	5.9	5.5	0.0	0.0	0.0	0.0	0.0	0.0	1185.5	1247.4	1340.4	1495.6	0.0	0.0	0.7	21.2	30.8	10.4
02	29.9	12.8	21.4	6.3	7.0	6.5	0.1	0.0	0.0	0.0	0.0	0.0	942.1	998.0	1082.0	1222.1	0.0	0.0	1.5	15.5	27.0	6.1
03	43.1	24.7	33.9	6.3	4.8	5.4	5.5	3.6	1.8	0.5	0.1	0.0	659.7	719.7	810.9	964.6	0.0	0.0	10.1	6.5	24.7	1.4
04	58.2	36.0	47.1	4.6	3.6	3.9	37.8	26.4	14.8	4.1	0.6	0.3	274.8	323.5	401.8	541.1	0.0	0.3	22.6	0.6	10.6	0.0
05	69.9	48.3	59.1	3.6	2.9	3.0	187.2	148.5	100.4	44.0	14.2	8.4	60.2	83.5	128.4	226.9	0.0	0.9	30.3	0.0	1.1	0.0
06	79.9	59.1	69.5	2.8	2.3	2.3	436.3	378.0	293.4	165.9	69.8	44.1	1.5	3.3	8.6	31.0	0.0	3.4	30.0	0.0	0.0	0.0
07	81.9	62.2	72.1	3.2	2.7	2.8	528.5	466.5	374.3	226.6	103.8	68.2	0.0	0.0	0.9	8.1	0.0	4.0	31.0	0.0	0.0	0.0
08	79.2	59.3	69.2	2.5	2.6	2.3	441.9	380.4	290.2	153.8	57.4	33.3	0.2	0.7	3.5	22.1	0.0	1.4	31.0	0.0	0.0	0.0
09	73.6	51.1	62.4	3.5	3.3	3.2	249.3	203.1	142.3	65.8	20.6	11.0	28.9	42.8	72.0	145.3	0.0	0.8	29.8	0.0	0.9	0.0
10	60.5	38.5	49.5	4.1	2.9	3.3	57.9	41.5	23.5	7.6	1.9	1.0	228.5	274.1	349.1	488.2	0.0	0.1	25.5	0.3	8.4	0.0
11	43.9	25.1	34.5	6.7	4.4	5.4	3.5	1.8	0.5	0.0	0.0	0.0	618.5	676.7	765.4	915.0	0.0	0.0	10.7	5.9	23.4	0.5
12	29.8	14.0	21.9	5.5	5.3	5.2	0.0	0.0	0.0	0.0	0.0	0.0	1025.9	1087.8	1180.8	1336.0	0.0	0.0	1.7	16.8	30.4	5.2
Summary	56.3	36.6	46.4	4.5	4.0	4.1	1948	1650	1241	668	268	166	5026	5458	6144	7396	0.0	10.9	224.9	66.8	157.3	23.6

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	0.62	5.7	2.0	0.1	0.0	0.39	0.56	0.82	
02	0.83	6.4	2.2	0.3	0.0	0.46	0.73	0.98	
03	1.76	7.1	4.2	1.1	0.3	0.86	1.69	2.62	
04	3.58	9.7	6.7	2.7	0.7	2.37	3.55	4.43	
05	4.19	12.2	8.2	2.7	0.9	3.40	3.95	5.08	
06	5.05	10.9	8.0	3.1	1.5	2.86	4.11	5.50	
07	3.29	8.2	5.6	2.3	1.0	1.99	3.34	4.00	
08	4.41	8.1	5.9	3.0	1.4	2.20	3.92	6.06	
09	3.39	7.7	5.3	2.0	0.7	1.57	2.57	4.27	
10	2.51	8.0	4.8	1.4	0.5	1.46	2.14	3.79	
11	1.42	5.8	3.2	0.9	0.3	0.71	1.08	1.95	
12	0.94	6.0	2.6	0.4	0.1	0.58	0.81	1.13	
Summary	31.99	95.8	58.7	20.0	7.4	18.85	28.45	40.63	

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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	8.00	6.1	2.7	0.9	0.5	0.0	22.7	15.1	11.0	3.4	4.00	8.20	12.00
02	6.90	5.4	2.4	1.0	0.3	0.0	19.9	13.1	7.8	3.6	3.60	5.20	8.50
03	6.50	3.4	1.7	0.7	0.2	0.1	9.9	5.1	3.2	1.2	3.10	5.60	9.70
04	2.30	1.2	0.7	0.3	0.1	0.0	1.2	0.6	0.3	0.0	0.00	0.20	3.10
05	0.30	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	0.70	0.6	0.3	0.1	0.0	0.0	0.3	0.1	0.0	0.0	0.00	0.00	0.40
11	3.80	2.6	1.3	0.6	0.3	0.0	5.8	2.6	1.2	0.0	0.50	1.70	7.20
12	6.70	5.5	2.6	0.8	0.3	0.0	17.6	10.2	5.5	1.2	4.00	6.40	7.40
Summary	35.2	24.8	11.7	4.4	1.7	0.1	77.4	46.8	29.0	9.4	15.2	27.3	48.3

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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	0.8	7.3	71.3	259.8	592.9	884.6	993.4	906.6	670.5	325.1	66.3	3.4
45	0.0	2.2	35.6	157.0	442.3	734.6	838.4	751.6	522.0	207.8	30.0	0.8
50	0.0	0.5	15.3	82.8	303.5	584.9	683.4	596.7	379.3	118.1	12.2	0.1
55	0.0	0.1	5.5	37.8	187.2	436.3	528.5	441.9	249.3	57.9	3.5	0.0
60	0.0	0.0	1.8	14.8	100.4	293.4	374.3	290.2	142.3	23.5	0.5	0.0
Growing Degree Units for Corn (Monthly)												
50/86	1.3	4.5	47.9	159.9	348.2	577.8	671.2	594.7	414.6	193.9	43.6	2.5

Growing Degree Units (Accumulated Monthly)												
40	1	8	79	339	932	1817	2810	3717	4387	4712	4779	4782
45	0	2	38	195	637	1372	2210	2962	3484	3692	3722	3722
50	0	0	16	99	402	987	1670	2267	2646	2765	2777	2777
55	0	0	6	43	231	667	1195	1637	1887	1945	1948	1948
60	0	0	2	17	117	410	785	1075	1217	1241	1241	1241
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	1	6	54	214	562	1140	1811	2406	2820	3014	3058	3060

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

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