

Summary of Monthly Normals
1991-2020

Generated on 06/04/2024

Current Location: Elev: 1095 ft. Lat: 42.3914° N Lon: 96.3792° W
Station: SIOUX CITY GATEWAY AP, IA US USW00014943

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	29.5	10.4	20.0	5.5	5.1	5.1	0.0	0.0	0.0	0.0	0.0	0.0	1086.3	1148.3	1241.3	1396.3	0.0	0.0	2.0	16.7	30.5	7.1
02	34.2	14.8	24.5	6.9	6.5	6.6	0.3	0.1	0.0	0.0	0.0	0.0	854.1	909.9	993.8	1133.8	0.0	0.0	4.0	12.5	26.7	4.5
03	47.6	25.9	36.7	6.8	4.4	5.3	9.6	6.3	3.1	0.8	0.2	0.1	575.4	634.1	724.0	876.7	0.0	0.1	14.0	4.1	23.1	0.8
04	61.1	36.7	48.9	4.1	3.2	3.5	48.9	35.1	20.8	6.9	1.4	0.6	232.0	278.1	353.8	489.9	0.0	0.4	24.9	0.5	9.8	0.0
05	72.3	48.7	60.5	3.6	2.9	3.0	216.1	174.6	121.3	57.2	21.3	12.6	45.7	66.1	105.9	196.8	0.1	1.8	30.6	0.0	0.7	0.0
06	81.9	59.4	70.7	3.1	2.5	2.6	470.4	411.7	326.1	195.1	92.3	62.1	1.1	2.4	6.7	25.7	0.1	6.1	30.0	0.0	0.0	0.0
07	85.0	63.4	74.2	3.4	2.9	3.0	595.1	533.1	440.3	289.2	153.5	109.2	0.0	0.0	0.1	4.1	0.3	8.4	31.0	0.0	0.0	0.0
08	82.6	60.8	71.7	2.5	2.5	2.3	517.6	455.8	364.1	218.8	101.7	67.3	0.0	0.2	1.5	11.2	0.1	5.1	31.0	0.0	0.0	0.0
09	76.6	51.2	63.9	3.7	3.7	3.3	288.0	239.4	174.3	88.2	34.8	21.5	21.2	32.5	57.5	121.4	0.0	2.3	29.9	0.0	0.8	0.0
10	62.8	37.9	50.3	4.1	2.7	3.1	64.0	46.4	26.8	9.4	2.6	1.4	208.2	252.5	326.0	463.5	0.0	0.5	26.8	0.3	9.2	0.0
11	46.8	25.0	35.9	6.5	3.9	5.0	4.7	2.5	0.9	0.1	0.0	0.0	577.7	635.5	723.9	873.0	0.0	0.0	13.5	4.1	23.4	0.3
12	33.4	14.8	24.1	5.5	4.8	4.9	0.0	0.0	0.0	0.0	0.0	0.0	957.7	1019.7	1112.7	1267.7	0.0	0.0	3.4	13.2	29.8	3.7
Summary	59.5	37.4	48.4	4.6	3.8	4.0	2215	1905	1478	866	408	275	4559	4979	5647	6860	0.6	24.7	241.1	51.4	154.0	16.4

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	0.69	6.8	1.8	0.2	0.0	0.34	0.62	0.86	
02	0.86	6.5	2.6	0.3	0.1	0.49	0.79	1.05	
03	1.76	8.1	3.8	1.1	0.4	0.87	1.41	2.48	
04	3.15	10.0	6.0	1.9	0.9	1.93	3.03	4.55	
05	3.87	12.0	7.4	2.9	0.9	2.92	3.75	5.16	
06	4.35	11.7	7.4	3.1	1.3	2.71	3.87	5.21	
07	3.35	9.0	5.6	2.1	0.9	1.61	3.04	4.50	
08	3.94	9.8	6.1	2.4	1.2	1.98	3.46	4.96	
09	2.84	8.0	4.6	1.8	0.8	1.48	2.81	3.49	
10	2.20	7.6	4.4	1.3	0.5	0.99	1.93	2.79	
11	1.27	5.9	2.6	0.8	0.2	0.51	1.06	1.83	
12	0.99	6.8	2.6	0.4	0.1	0.41	0.78	1.48	
Summary	29.27	102.2	54.9	18.3	7.3	16.24	26.55	38.36	

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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	7.70	5.9	2.4	0.7	0.3	0.0	19.8	12.2	7.0	2.2	4.10	7.20	9.60
02	8.70	5.7	2.6	0.8	0.3	0.1	14.5	10.7	7.8	3.3	3.90	7.90	12.30
03	5.70	3.4	1.5	0.5	0.3	0.0	6.5	3.6	2.1	0.7	1.80	4.30	9.20
04	2.30	1.4	0.8	0.3	0.1	0.0	1.0	0.5	0.2	0.0	0.00	0.30	2.70
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	0.80	0.5	0.3	0.1	0.0	0.0	0.3	0.1	0.0	0.0	0.00	0.00	0.10
11	3.20	2.5	1.0	0.3	0.2	0.0	2.9	1.7	1.1	0.0	0.50	1.40	4.40
12	7.60	5.4	2.6	0.7	0.3	0.0	12.9	7.0	4.0	1.0	2.70	5.00	9.90
Summary	36.0	24.8	11.2	3.4	1.5	0.1	57.9	35.8	22.2	7.2	13.0	26.1	48.2

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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	1.8	13.0	99.0	298.4	635.7	919.2	1060.0	982.5	716.9	346.6	75.7	4.6
45	0.2	4.1	51.2	186.7	483.1	769.3	905.0	827.6	568.1	225.6	35.1	0.8
50	0.0	1.1	23.8	102.6	339.9	619.4	750.1	672.6	423.0	129.8	14.6	0.1
55	0.0	0.3	9.6	48.9	216.1	470.4	595.1	517.6	288.0	64.0	4.7	0.0
60	0.0	0.0	3.1	20.8	121.3	326.1	440.3	364.1	174.3	26.8	0.9	0.0
Growing Degree Units for Corn (Monthly)												
50/86	4.9	12.6	77.2	192.4	384.3	604.3	720.3	657.9	455.6	223.3	60.1	6.3

Growing Degree Units (Accumulated Monthly)												
40	2	15	114	412	1048	1967	3027	4010	4726	5073	5149	5153
45	0	4	56	242	725	1495	2400	3227	3795	4021	4056	4057
50	0	1	25	128	467	1087	1837	2510	2932	3062	3077	3077
55	0	0	10	59	275	745	1340	1858	2146	2210	2215	2215
60	0	0	3	24	145	471	912	1276	1450	1477	1478	1478
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	5	18	95	287	671	1276	1996	2654	3110	3333	3393	3399

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