

Summary of Monthly Normals
1991-2020

Current Location: Elev: 668 ft. Lat: 42.0772° N Lon: 90.6647° W
Station: **MAQUOKETA, IA US USC00135131**
Generated on 04/28/2024

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	26.7	11.4	19.0	5.0	5.7	5.3	0.0	0.0	0.0	0.0	0.0	0.0	1114.1	1176.1	1269.2	1424.2	0.0	0.0	1.0	20.6	30.4	8.7
02	31.2	15.1	23.1	6.3	7.6	6.8	0.1	0.1	0.0	0.0	0.0	0.0	891.7	947.6	1031.6	1171.7	0.0	0.0	1.9	14.1	26.4	5.5
03	44.5	26.4	35.5	5.3	4.6	4.8	7.2	4.7	2.6	0.4	0.0	0.0	613.3	672.9	763.7	916.5	0.0	0.0	10.4	5.0	24.3	0.9
04	58.6	37.0	47.8	4.1	3.1	3.4	38.2	26.9	15.2	4.0	0.6	0.2	254.3	302.9	381.2	520.0	0.0	0.0	23.3	0.4	10.5	0.0
05	70.3	49.3	59.8	3.7	3.2	3.3	199.8	160.3	109.9	50.5	17.9	10.4	51.1	73.5	116.2	211.8	0.0	0.6	30.3	0.0	0.9	0.0
06	79.4	59.8	69.6	2.4	1.9	1.9	439.3	381.0	296.7	169.1	73.9	47.2	1.5	3.3	8.9	31.2	0.0	2.4	30.0	0.0	0.0	0.0
07	82.2	62.9	72.5	3.5	2.5	2.8	544.0	482.0	389.6	240.7	115.7	78.2	0.0	0.1	0.6	6.7	0.1	4.0	31.0	0.0	0.0	0.0
08	80.6	60.6	70.6	2.7	3.1	2.6	483.6	421.8	330.1	187.9	78.7	49.4	0.1	0.3	1.7	14.3	0.0	1.9	31.0	0.0	0.0	0.0
09	74.8	51.6	63.2	3.7	2.9	3.0	268.0	220.2	156.5	75.5	26.7	15.9	22.1	34.3	60.7	129.6	0.0	1.3	29.9	0.0	0.5	0.0
10	61.7	39.8	50.7	3.0	2.7	2.6	65.4	46.9	26.7	8.8	2.4	1.3	197.3	240.6	313.5	450.5	0.0	0.1	26.8	0.0	8.7	0.0
11	46.1	28.3	37.2	6.1	4.1	4.9	5.9	3.6	1.5	0.2	0.0	0.0	539.9	597.5	685.5	834.2	0.0	0.0	11.3	3.9	22.2	0.0
12	32.5	18.0	25.3	5.6	5.6	5.5	0.3	0.2	0.0	0.0	0.0	0.0	922.4	984.2	1077.1	1232.2	0.0	0.0	2.3	14.4	28.7	3.9
Summary	57.4	38.4	47.9	4.3	3.9	3.9	2052	1748	1329	737	316	203	4608	5033	5710	6943	0.1	10.3	229.2	58.4	152.6	19.0

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	1.32	7.3	4.2	0.5	0.1	0.72	1.09	1.90
02	1.65	7.3	4.4	0.8	0.2	0.80	1.43	2.11
03	2.22	8.8	4.9	1.4	0.2	1.22	1.91	3.02
04	3.44	10.9	6.5	2.4	0.8	1.93	3.37	4.67
05	4.21	11.9	7.9	2.8	1.1	2.95	3.73	5.88
06	5.09	11.3	8.0	3.5	1.4	3.40	4.72	6.79
07	4.15	9.4	6.5	2.8	1.3	2.48	3.42	5.55
08	4.18	8.9	6.2	2.7	1.4	3.40	3.91	4.79
09	3.64	8.4	5.8	2.5	1.1	2.14	3.04	4.91
10	2.93	9.2	5.1	2.0	0.8	1.57	2.55	3.76
11	2.08	7.3	4.6	1.4	0.5	1.29	1.72	2.68
12	1.78	8.6	4.6	0.9	0.3	1.05	1.46	2.33
Summary	36.69	109.3	68.7	23.7	9.2	22.95	32.35	48.39

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U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data, and Information Service

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National Centers for Environmental Information
151 Patton Avenue
Asheville, North Carolina 28801

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	8.40	5.6	3.1	1.0	0.4	0.0	20.2	13.4	6.1	0.5	4.70	8.10	12.00
02	8.00	4.9	2.7	0.9	0.2	0.0	16.7	11.0	6.7	1.1	2.00	5.20	12.70
03	3.80	2.7	1.2	0.4	0.2	0.0	6.1	2.4	1.6	0.0	2.00	3.80	5.20
04	0.90	0.6	0.3	0.1	0.0	0.0	0.2	0.1	0.0	0.0	0.00	0.00	0.40
05	0.10	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	0.30	0.2	0.1	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.00	0.00	0.00
11	1.70	1.3	0.7	0.2	0.1	0.0	1.9	0.5	0.3	0.0	0.00	0.80	2.20
12	7.10	5.4	3.0	0.8	0.3	0.0	12.4	7.4	3.4	0.3	1.20	6.00	11.30
Summary	30.3	20.7	11.1	3.4	1.2	0.0	57.6	34.9	18.1	1.9	9.9	23.9	43.8

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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	2.0	10.0	78.7	269.4	614.3	887.6	1008.8	948.3	695.9	350.3	87.0	10.1
45	0.0	3.1	39.7	162.8	462.3	737.8	853.9	793.4	547.1	226.6	41.1	3.1
50	0.0	0.6	18.1	85.2	320.3	587.9	699.0	638.5	401.9	131.8	17.4	1.2
55	0.0	0.1	7.2	38.2	199.8	439.3	544.0	483.6	268.0	65.4	5.9	0.3
60	0.0	0.0	2.6	15.2	109.9	296.7	389.6	330.1	156.5	26.7	1.5	0.0
Growing Degree Units for Corn (Monthly)												
50/86	1.4	5.6	49.2	159.5	362.5	582.4	684.8	633.0	433.5	205.7	50.1	5.5

Growing Degree Units (Accumulated Monthly)												
40	2	12	91	360	974	1862	2871	3819	4515	4865	4952	4962
45	0	3	43	206	668	1406	2260	3053	3600	3827	3868	3871
50	0	1	19	104	424	1012	1711	2350	2752	2883	2901	2902
55	0	0	7	46	245	685	1229	1712	1980	2046	2052	2052
60	0	0	3	18	128	424	814	1144	1301	1327	1329	1329
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	1	7	56	216	578	1161	1845	2478	2912	3118	3168	3173

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