

Summary of Monthly Normals
1991-2020

Generated on 06/04/2024

Current Location: Elev: 1180 ft. Lat: 43.4542° N Lon: 94.3069° W

Station: SWEA CITY 5N, IA US USC00138026

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	21.9	4.5	13.2	4.8	5.8	5.2	0.0	0.0	0.0	0.0	0.0	0.0	1295.5	1357.5	1450.5	1605.6	0.0	0.0	0.5	23.1	31.0	11.2
02	26.9	8.1	17.5	6.3	7.2	6.7	0.0	0.0	0.0	0.0	0.0	0.0	1049.8	1105.8	1189.8	1329.9	0.0	0.0	1.0	16.8	27.2	8.1
03	39.7	21.4	30.5	6.2	4.5	5.2	2.0	1.0	0.4	0.0	0.0	0.0	760.0	821.0	913.4	1068.0	0.0	0.0	8.3	7.4	25.6	1.9
04	55.4	32.5	43.9	4.9	3.7	4.1	20.0	13.6	7.0	1.8	0.0	0.0	351.5	405.1	488.5	633.3	0.0	0.1	21.4	0.9	11.5	0.0
05	67.7	45.6	56.6	3.7	2.9	3.2	141.5	109.2	70.9	28.1	7.7	3.8	90.4	120.0	174.8	287.0	0.0	1.0	30.0	0.0	1.1	0.0
06	77.8	56.9	67.3	2.6	2.4	2.3	373.9	317.1	236.3	120.0	44.4	26.6	3.6	6.8	16.0	49.7	0.0	2.9	30.0	0.0	0.0	0.0
07	80.8	59.8	70.3	3.3	2.6	2.8	474.2	412.4	320.8	178.2	70.9	42.8	0.0	0.2	1.6	13.9	0.0	4.5	31.0	0.0	0.0	0.0
08	78.3	57.5	67.9	2.7	2.5	2.3	400.2	339.3	251.3	123.4	40.3	21.9	0.4	1.5	6.5	33.6	0.0	1.5	31.0	0.0	0.0	0.0
09	72.6	48.0	60.3	3.4	3.2	2.8	201.8	159.4	105.2	41.7	10.9	5.1	42.9	60.5	96.3	182.8	0.0	1.0	29.8	0.0	0.9	0.0
10	58.7	35.2	46.9	3.9	2.7	3.0	38.3	26.4	14.0	3.9	0.9	0.3	287.9	338.0	418.6	563.5	0.0	0.1	25.4	0.3	10.9	0.0
11	41.9	22.1	32.0	7.1	5.0	5.9	1.0	0.4	0.0	0.0	0.0	0.0	691.0	750.3	840.0	990.0	0.0	0.0	9.9	6.5	24.2	0.8
12	27.6	11.2	19.4	6.0	5.8	5.7	0.0	0.0	0.0	0.0	0.0	0.0	1103.5	1165.5	1258.5	1413.5	0.0	0.0	1.4	17.7	30.5	5.9
Summary	54.1	33.6	43.8	4.6	4.0	4.1	1653	1379	1006	497	175	100	5676	6132	6855	8171	0.0	11.1	219.7	72.7	162.9	27.9

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	0.87	5.7	2.7	0.4	0.0	0.54	0.79	1.22
02	0.93	5.1	2.8	0.7	0.1	0.42	0.91	1.19
03	1.76	6.7	4.3	1.4	0.4	1.16	1.66	2.51
04	3.43	9.8	7.0	2.4	0.7	2.23	3.38	4.12
05	4.60	12.4	8.8	2.9	1.1	2.70	4.50	5.54
06	4.65	10.9	7.3	3.3	1.4	3.49	3.89	5.98
07	4.16	8.5	6.5	3.1	1.3	2.36	4.28	5.70
08	4.11	7.6	5.3	2.4	1.1	2.13	4.16	5.72
09	3.21	7.6	5.1	1.9	0.8	1.65	2.45	4.64
10	2.52	7.1	4.5	1.8	0.5	1.06	2.03	3.44
11	1.46	5.6	3.4	0.9	0.2	0.56	1.29	1.85
12	1.17	6.0	3.4	0.8	0.1	0.52	1.05	1.69
Summary	32.87	93.0	61.1	22.0	7.7	18.82	30.39	43.60

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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	10.90	6.1	3.3	1.0	0.4	0.0	22.8	17.1	9.3	3.1	7.60	10.30	15.10
02	8.50	4.2	2.9	1.0	0.4	0.0	20.9	15.2	9.9	4.2	3.20	6.60	9.70
03	4.60	3.0	1.5	0.4	0.2	0.0	9.6	4.2	2.1	1.0	2.10	3.40	6.20
04	3.60	1.2	0.9	0.3	0.2	0.0	1.4	0.5	0.4	0.0	0.00	0.50	3.40
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	0.70	0.4	0.2	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.00	0.00	0.40
11	3.10	2.6	1.7	0.5	0.2	0.0	5.9	3.2	1.3	0.3	0.60	1.90	5.80
12	8.30	5.6	3.3	1.0	0.4	0.0	20.6	11.7	5.0	0.8	4.60	7.80	10.00
Summary	39.7	23.1	13.8	4.2	1.8	0.0	81.5	51.9	28.0	9.4	18.1	30.5	50.6

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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	0.0	2.4	44.0	191.4	518.6	820.2	939.2	864.7	609.4	262.3	48.7	2.8
45	0.0	0.4	18.8	105.2	373.3	670.3	784.2	709.8	463.0	158.8	21.0	0.9
50	0.0	0.1	6.8	49.1	244.2	520.7	629.2	554.8	324.6	84.7	6.5	0.1
55	0.0	0.0	2.0	20.0	141.5	373.9	474.2	400.2	201.8	38.3	1.0	0.0
60	0.0	0.0	0.4	7.0	70.9	236.3	320.8	251.3	105.2	14.0	0.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	0.3	1.9	32.4	129.0	302.2	520.9	620.9	557.6	376.1	168.1	37.5	2.8

Growing Degree Units (Accumulated Monthly)												
40	0	2	46	238	756	1577	2516	3380	3990	4252	4301	4304
45	0	0	19	124	498	1168	1952	2662	3125	3284	3305	3306
50	0	0	7	56	300	821	1450	2005	2330	2414	2421	2421
55	0	0	2	22	164	537	1012	1412	1614	1652	1653	1653
60	0	0	0	7	78	315	635	887	992	1006	1006	1006
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	0	2	35	164	466	987	1608	2165	2541	2709	2747	2750

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