

Summary of Monthly Normals
1991-2020

Generated on 06/03/2024

Current Location: Elev: 788 ft. Lat: 42.7753° N Lon: 91.4536° W
Station: ELKADER 6 SSW, IA US USC00132603

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	26.3	6.3	16.3	5.1	6.5	5.6	0.0	0.0	0.0	0.0	0.0	0.0	1199.5	1261.5	1354.5	1509.6	0.0	0.0	1.0	20.5	30.6	10.7
02	31.0	10.1	20.6	6.3	7.9	7.0	0.0	0.0	0.0	0.0	0.0	0.0	964.5	1020.5	1104.5	1244.6	0.0	0.0	1.8	14.0	26.6	7.3
03	44.4	22.3	33.4	5.2	4.8	4.8	6.9	5.1	3.0	0.8	0.0	0.0	678.1	738.3	829.2	981.9	0.0	0.0	10.1	4.9	25.1	1.4
04	58.6	34.1	46.3	3.8	3.3	3.4	32.5	22.9	12.0	3.5	0.5	0.2	292.1	342.4	421.5	563.0	0.0	0.0	23.3	0.2	13.4	0.0
05	69.7	45.7	57.7	3.4	3.1	3.0	156.0	121.8	78.8	32.7	9.5	5.2	72.3	100.1	150.1	259.0	0.0	0.5	30.3	0.0	2.5	0.0
06	79.3	56.0	67.7	1.8	2.3	1.7	381.3	323.9	242.4	126.4	49.2	30.2	1.9	4.5	13.0	47.0	0.0	1.8	30.0	0.0	0.0	0.0
07	82.2	60.0	71.1	3.2	2.8	2.9	499.1	437.3	345.8	201.5	88.8	57.6	0.0	0.3	1.8	12.5	0.1	3.7	31.0	0.0	0.0	0.0
08	80.5	57.6	69.0	2.6	3.3	2.7	435.7	374.3	284.9	153.4	60.6	36.8	0.3	0.9	4.4	27.9	0.0	1.9	31.0	0.0	0.0	0.0
09	74.1	48.5	61.3	3.3	2.9	2.8	222.6	179.1	122.8	56.3	18.9	10.8	33.7	50.1	83.9	167.3	0.0	0.9	30.0	0.0	1.1	0.0
10	61.5	36.6	49.1	3.3	2.4	2.4	52.3	37.2	21.0	7.1	1.8	0.9	236.7	283.7	360.5	501.6	0.0	0.1	26.7	0.0	11.7	0.0
11	45.3	24.5	34.9	6.4	4.1	5.0	3.5	2.0	0.7	0.1	0.0	0.0	606.5	665.0	753.6	903.0	0.0	0.0	11.0	4.0	23.0	0.6
12	32.2	14.3	23.3	5.5	6.0	5.5	0.1	0.0	0.0	0.0	0.0	0.0	984.3	1046.2	1139.2	1294.2	0.0	0.0	2.1	14.1	29.5	4.6
Summary	57.1	34.7	45.9	4.2	4.1	3.9	1790	1504	1111	582	229	142	5070	5514	6216	7512	0.1	8.9	228.3	57.7	163.5	24.6

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	1.25	7.9	3.9	0.4	0.1	0.85	1.10	1.50	
02	1.28	7.4	3.7	0.5	0.0	0.76	1.26	1.67	
03	2.03	8.4	4.6	1.3	0.2	1.04	1.51	2.83	
04	4.00	10.6	7.1	2.8	0.9	2.79	3.84	5.25	
05	4.65	12.4	8.3	3.3	1.0	3.47	4.05	5.64	
06	6.67	11.9	8.1	3.6	1.4	4.18	5.85	8.79	
07	4.60	9.5	6.5	3.0	1.2	3.03	4.25	5.50	
08	3.92	9.5	6.2	2.7	1.0	2.50	3.36	4.69	
09	3.63	9.5	6.1	2.5	1.0	2.26	2.84	4.67	
10	2.92	9.0	5.1	1.8	0.8	1.37	2.29	3.85	
11	2.28	7.3	4.0	1.4	0.6	1.44	1.96	2.98	
12	1.57	8.5	4.1	0.7	0.2	0.84	1.36	1.91	
Summary	38.80	111.9	67.7	24.0	8.4	24.53	33.67	49.28	

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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	10.20	6.2	3.3	1.2	0.4	0.1	20.6	17.5	12.6	3.1	4.50	11.10	14.30
02	8.00	5.3	2.8	1.2	0.5	0.0	17.2	14.9	12.4	5.3	4.60	7.20	10.60
03	5.40	3.1	1.6	0.6	0.3	0.0	7.7	5.3	3.5	1.4	2.40	4.60	7.40
04	1.30	0.9	0.6	0.1	0.0	0.0	0.5	0.1	0.1	0.0	0.00	0.00	1.50
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	0.30	0.3	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.00	0.00	0.00
11	2.30	1.5	0.8	0.2	0.1	0.0	2.1	0.5	0.4	0.2	0.00	0.60	2.50
12	8.10	5.4	3.1	1.0	0.3	0.0	11.6	8.0	6.1	2.2	0.90	6.00	12.60
Summary	35.6	22.7	12.3	4.3	1.6	0.1	59.8	46.3	35.1	12.2	12.4	29.5	48.9

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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	0.4	5.5	60.8	235.2	549.9	829.3	964.0	900.4	639.1	306.3	64.7	5.8
45	0.0	1.4	30.1	136.8	400.4	679.3	809.0	745.4	491.1	192.8	29.6	1.8
50	0.0	0.4	14.7	70.8	265.1	529.4	654.0	590.4	349.1	107.9	11.0	0.5
55	0.0	0.0	6.9	32.5	156.0	381.3	499.1	435.7	222.6	52.3	3.5	0.1
60	0.0	0.0	3.0	12.0	78.8	242.4	345.8	284.9	122.8	21.0	0.7	0.0
Growing Degree Units for Corn (Monthly)												
50/86	1.2	4.8	46.0	158.6	338.2	534.3	643.3	591.0	405.5	201.3	46.5	4.2

Growing Degree Units (Accumulated Monthly)												
40	0	6	67	302	852	1681	2645	3546	4185	4491	4556	4561
45	0	1	32	168	569	1248	2057	2802	3294	3486	3516	3518
50	0	0	15	86	351	880	1534	2125	2474	2582	2593	2593
55	0	0	7	39	195	577	1076	1512	1734	1786	1790	1790
60	0	0	3	15	94	336	682	967	1090	1111	1111	1111
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	1	6	52	211	549	1083	1726	2317	2723	2924	2971	2975

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

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