

Summary of Monthly Normals
1991-2020

Generated on 06/04/2024

Current Location: Elev: 1420 ft. Lat: 43.1803° N Lon: 95.8533° W
Station: **SHELDON, IA US USC00137594**

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	24.6	5.2	14.9	5.2	6.3	5.5	0.0	0.0	0.0	0.0	0.0	0.0	1242.8	1304.8	1397.8	1552.9	0.0	0.0	0.6	21.8	30.9	11.6
02	29.5	9.1	19.3	6.8	7.0	6.7	0.0	0.0	0.0	0.0	0.0	0.0	999.5	1055.5	1139.5	1279.5	0.0	0.0	1.6	15.8	27.4	7.8
03	42.5	21.3	31.9	6.2	5.0	5.4	2.9	1.8	0.8	0.1	0.0	0.0	719.1	779.9	872.0	1026.3	0.0	0.0	9.6	7.1	25.9	2.0
04	57.0	32.4	44.7	4.4	3.5	3.8	24.3	16.6	8.7	2.4	0.4	0.2	333.3	385.6	467.7	611.4	0.0	0.1	21.8	0.7	14.1	0.0
05	69.0	46.2	57.6	3.5	3.1	3.1	160.1	126.0	83.7	36.2	10.4	5.7	79.6	107.5	158.2	265.6	0.0	0.8	30.0	0.0	1.9	0.0
06	79.2	57.2	68.2	2.8	2.7	2.6	399.6	342.8	261.0	141.9	57.8	36.2	3.7	6.9	15.2	46.1	0.0	2.8	30.0	0.0	0.0	0.0
07	82.7	60.4	71.5	3.5	3.2	3.2	513.0	451.2	359.8	216.0	100.8	67.5	0.0	0.2	1.8	12.9	0.0	4.9	31.0	0.0	0.0	0.0
08	80.3	57.5	68.9	2.6	2.8	2.5	431.6	370.8	282.5	151.5	59.4	36.6	0.7	2.0	6.7	30.7	0.0	2.1	31.0	0.0	0.0	0.0
09	74.0	47.9	60.9	3.2	3.6	3.0	219.0	175.9	120.8	53.5	16.3	8.6	40.6	57.6	92.4	175.1	0.0	1.0	29.8	0.0	1.9	0.0
10	60.5	34.6	47.5	4.4	2.9	3.3	43.1	30.4	16.9	5.6	1.3	0.6	274.0	323.4	402.8	546.5	0.0	0.1	25.3	0.2	12.9	0.0
11	43.9	21.6	32.8	6.7	4.4	5.4	1.5	0.7	0.2	0.0	0.0	0.0	668.9	728.1	817.7	967.5	0.0	0.0	10.6	6.8	25.5	0.9
12	29.6	11.0	20.3	5.5	5.3	5.1	0.0	0.0	0.0	0.0	0.0	0.0	1075.5	1137.5	1230.5	1385.6	0.0	0.0	1.4	17.2	30.6	6.5
Summary	56.1	33.7	44.9	4.6	4.1	4.1	1795	1516	1134	607	246	155	5438	5889	6602	7900	0.0	11.8	222.7	69.6	171.1	28.8

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	0.88	7.0	2.7	0.2	0.0	0.48	0.93	1.12	
02	1.00	6.5	3.3	0.3	0.1	0.60	0.86	1.21	
03	1.91	7.8	4.3	1.2	0.5	0.87	2.00	2.60	
04	3.22	10.2	6.8	2.3	0.6	2.19	3.00	4.21	
05	4.03	13.2	8.2	2.6	0.9	2.51	4.47	5.10	
06	4.67	11.7	7.6	2.9	1.2	2.82	4.02	5.25	
07	3.61	8.6	5.7	2.1	1.0	1.94	3.41	5.08	
08	3.26	9.2	5.6	2.3	1.0	1.80	2.50	4.95	
09	3.39	8.6	5.4	2.0	1.0	1.62	2.43	3.89	
10	2.43	7.8	4.1	1.5	0.6	0.92	1.90	3.89	
11	1.52	5.9	3.3	1.1	0.3	0.56	1.08	1.85	
12	1.17	7.1	3.3	0.5	0.0	0.56	0.95	1.64	
Summary	31.09	103.6	60.3	19.0	7.2	16.87	27.55	40.79	

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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	8.70	6.0	3.1	0.9	0.3	0.0	23.5	18.5	14.8	7.5	5.40	8.20	11.90
02	7.20	5.2	3.0	1.0	0.2	0.0	19.1	15.7	12.6	7.7	4.00	6.30	8.30
03	6.60	3.5	2.0	0.9	0.4	0.0	12.5	8.5	6.0	2.5	2.40	7.10	9.20
04	3.30	1.5	0.9	0.6	0.2	0.0	1.5	0.8	0.3	0.0	0.00	1.00	5.70
05	0.20	0.1	0.1	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	0.50	0.7	0.3	0.1	0.0	0.0	0.3	0.1	0.0	0.0	0.00	0.00	0.20
11	4.70	2.6	1.5	0.5	0.2	0.1	4.8	2.6	1.6	0.2	1.60	3.90	6.50
12	9.60	5.8	2.8	1.2	0.5	0.0	18.0	12.4	8.2	2.0	4.00	8.10	12.50
Summary	40.8	25.4	13.7	5.2	1.8	0.1	79.7	58.6	43.5	19.9	17.4	34.6	54.3

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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	0.6	5.0	55.1	206.1	547.3	845.7	977.9	895.7	628.9	277.1	51.0	2.4
45	0.1	1.3	25.6	116.9	400.4	695.8	823.0	740.8	482.0	169.7	20.9	0.7
50	0.0	0.2	9.7	57.1	267.5	546.1	668.0	585.8	342.6	91.8	7.1	0.1
55	0.0	0.0	2.9	24.3	160.1	399.6	513.0	431.6	219.0	43.1	1.5	0.0
60	0.0	0.0	0.8	8.7	83.7	261.0	359.8	282.5	120.8	16.9	0.2	0.0
Growing Degree Units for Corn (Monthly)												
50/86	1.2	5.0	45.5	144.8	326.6	545.4	652.6	587.9	399.9	191.1	44.6	3.0

Growing Degree Units (Accumulated Monthly)												
40	1	6	61	267	814	1660	2638	3533	4162	4439	4490	4493
45	0	1	27	144	544	1240	2063	2804	3286	3456	3476	3477
50	0	0	10	67	334	881	1549	2134	2477	2569	2576	2576
55	0	0	3	27	187	587	1100	1532	1750	1794	1795	1795
60	0	0	1	10	93	354	714	996	1117	1134	1134	1134
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	1	6	52	196	523	1068	1721	2309	2709	2900	2945	2948

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