

Summary of Monthly Normals
1991-2020

Generated on 06/04/2024

Current Location: Elev: 1529 ft. Lat: 43.4047° N Lon: 95.7483° W

Station: SIBLEY, IA US USC00137664

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	23.1	4.7	13.9	5.1	5.8	5.3	0.0	0.0	0.0	0.0	0.0	0.0	1273.8	1335.8	1428.8	1583.8	0.0	0.0	0.4	23.9	31.0	13.0
02	28.0	8.8	18.4	7.0	7.2	7.0	0.0	0.0	0.0	0.0	0.0	0.0	1024.6	1080.6	1164.6	1304.6	0.0	0.0	1.3	17.4	27.7	8.3
03	41.0	20.6	30.8	6.2	5.5	5.6	2.3	1.3	0.6	0.0	0.0	0.0	752.5	813.6	905.8	1060.3	0.0	0.0	7.8	8.8	27.4	2.7
04	56.1	32.5	44.3	5.3	3.6	4.3	25.3	17.5	9.0	2.2	0.2	0.1	346.4	398.6	480.1	623.2	0.0	0.1	20.4	1.5	15.2	0.1
05	68.8	45.5	57.2	3.7	3.3	3.3	155.8	121.8	80.5	34.1	9.8	5.2	89.1	117.2	168.9	277.5	0.1	0.8	29.3	0.0	2.3	0.0
06	78.9	56.7	67.8	3.0	2.4	2.6	388.1	331.6	251.3	135.8	54.9	33.9	4.3	7.8	17.5	52.0	0.0	2.6	29.9	0.0	0.0	0.0
07	82.1	60.3	71.2	3.7	3.1	3.3	502.1	440.5	349.8	206.8	92.6	59.8	0.0	0.5	2.7	14.6	0.0	3.6	31.0	0.0	0.0	0.0
08	79.9	57.9	68.9	2.5	2.3	2.2	431.4	370.4	281.1	147.9	54.9	32.4	0.5	1.6	5.3	27.1	0.0	1.5	31.0	0.0	0.0	0.0
09	73.8	49.1	61.4	3.3	3.5	3.1	232.8	189.5	131.9	59.3	18.3	9.7	39.4	56.3	88.5	165.9	0.0	0.8	29.6	0.0	1.1	0.0
10	59.8	35.7	47.7	4.5	2.9	3.4	46.9	33.4	18.8	5.5	0.9	0.4	271.7	320.2	398.6	540.3	0.0	0.0	24.5	0.4	12.3	0.0
11	42.6	22.3	32.4	7.0	5.3	5.9	2.7	1.2	0.3	0.0	0.0	0.0	679.2	737.7	826.8	976.5	0.0	0.0	9.1	8.3	25.3	1.3
12	28.3	10.7	19.5	5.6	5.4	5.3	0.0	0.0	0.0	0.0	0.0	0.0	1100.3	1162.2	1255.3	1410.3	0.0	0.0	1.2	19.6	30.7	7.5
Summary	55.2	33.7	44.5	4.7	4.2	4.3	1787	1507	1123	592	232	142	5582	6032	6743	8036	0.1	9.4	215.5	79.9	173.0	32.9

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	0.74	6.0	2.2	0.3	0.0	0.51	0.65	0.86
02	0.84	5.3	2.7	0.3	0.1	0.35	0.82	1.04
03	1.59	6.3	3.8	0.9	0.3	0.87	1.45	2.19
04	3.25	9.5	6.5	2.4	0.6	2.26	2.63	4.02
05	4.06	12.9	8.7	2.6	0.8	2.85	4.19	5.03
06	4.88	11.6	7.9	3.3	1.2	3.27	4.16	5.44
07	3.30	8.9	5.5	2.3	0.8	1.60	2.78	4.11
08	3.58	8.8	6.3	2.1	0.9	1.68	3.14	5.17
09	3.25	8.4	5.3	2.0	0.8	1.01	2.66	3.70
10	2.31	7.8	4.5	1.2	0.6	0.91	1.96	3.02
11	1.38	5.1	2.7	0.8	0.1	0.60	1.06	1.75
12	1.05	5.9	3.2	0.5	0.1	0.38	0.91	1.74
Summary	30.23	96.5	59.3	18.7	6.3	16.29	26.41	38.07

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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	8.10	5.5	3.3	0.9	0.3	0.0	27.5	21.6	15.1	7.9	5.90	7.50	10.70
02	7.40	4.5	2.9	0.7	0.1	0.0	21.6	15.8	12.2	7.0	5.30	6.60	8.80
03	7.00	3.1	2.1	0.7	0.4	0.0	12.6	9.3	5.7	1.5	5.10	6.40	9.50
04	3.70	1.3	1.1	0.6	0.4	0.0	2.4	1.4	0.8	0.0	0.00	1.70	5.90
05	0.00	0.1	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	1.10	0.5	0.4	0.1	0.0	0.0	0.4	0.2	0.0	0.0	0.00	0.00	0.40
11	5.10	2.5	1.7	0.5	0.2	0.0	6.7	3.7	2.1	0.3	1.00	4.00	7.50
12	9.10	4.9	3.4	1.1	0.3	0.0	20.2	14.0	8.9	2.4	4.50	7.50	11.80
Summary	41.5	22.4	14.9	4.6	1.7	0.0	91.4	66.0	44.8	19.1	21.8	33.7	54.6

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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	0.1	4.1	47.4	202.7	534.2	833.7	967.0	895.7	643.9	285.2	56.8	2.7
45	0.0	1.1	21.6	117.2	389.1	683.8	812.0	740.8	496.8	177.9	26.4	0.7
50	0.0	0.1	7.7	59.1	259.9	534.5	657.1	585.8	356.6	98.1	10.2	0.1
55	0.0	0.0	2.3	25.3	155.8	388.1	502.1	431.4	232.8	46.9	2.7	0.0
60	0.0	0.0	0.6	9.0	80.5	251.3	349.8	281.1	131.9	18.8	0.3	0.0
Growing Degree Units for Corn (Monthly)												
50/86	0.7	3.9	38.6	140.1	317.6	531.1	643.8	583.6	402.3	183.8	42.4	2.2

Growing Degree Units (Accumulated Monthly)												
40	0	4	52	254	788	1622	2589	3485	4129	4414	4471	4473
45	0	1	23	140	529	1213	2025	2766	3262	3440	3467	3467
50	0	0	8	67	327	861	1518	2104	2461	2559	2569	2569
55	0	0	2	28	183	572	1074	1505	1738	1785	1787	1787
60	0	0	1	10	90	341	691	972	1104	1123	1123	1123
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	1	5	43	183	501	1032	1676	2259	2662	2846	2888	2890

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

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