

Summary of Monthly Normals  
1991-2020

Current Location: Elev: 1529 ft. Lat: 43.4047° N Lon: 95.7483° W  
Station: SIBLEY, IA US USC00137664

Generated on 04/30/2024

| 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               | 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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Summary of Monthly Normals  
1991-2020  
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| Precipitation (in.) |        |                     |         |         |         |                                                                                                                        |       |       |
|---------------------|--------|---------------------|---------|---------|---------|------------------------------------------------------------------------------------------------------------------------|-------|-------|
|                     | Totals | Mean Number of Days |         |         |         | Precipitation Probabilities<br>Probability that precipitation will be<br>equal to or less than<br>the indicated amount |       |       |
|                     | Means  | Daily Precipitation |         |         |         | Monthly Precipitation<br>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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1991-2020

Generated on 04/30/2024

Current Location: Elev: 1529 ft. Lat: 43.4047° N Lon: 95.7483° W  
Station: SIBLEY, IA US USC00137664

| Snow (in.) |                  |                        |      |     |      |       |                          |      |      |      |                                                                                                   |      |       |
|------------|------------------|------------------------|------|-----|------|-------|--------------------------|------|------|------|---------------------------------------------------------------------------------------------------|------|-------|
|            | Totals           | Mean Number of Days    |      |     |      |       |                          |      |      |      | Snow Probabilities<br>Probability that snow will be equal to<br>or less than the indicated amount |      |       |
|            | Means            | Snowfall >= Thresholds |      |     |      |       | Snow Depth >= Thresholds |      |      |      | Monthly Snow vs. Probability Levels<br>Values derived from the<br>incomplete gamma distribution.  |      |       |
| Month      | Snowfall<br>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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Generated on 04/30/2024

Current Location: Elev: 1529 ft. Lat: 43.4047° N Lon: 95.7483° W  
Station: **SIBLEY, IA US USC00137664**

| 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.  
Empty or blank cells indicate data is missing or insufficient occurrences to compute value.