

Summary of Monthly Normals  
1991-2020

Current Location: Elev: 2206 ft. Lat: 44.0511° N Lon: 101.6011° W  
Station: PHILIP AP, SD US USW00024024  
Generated on 05/22/2024

| 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               | 34.1      | 10.2      | 22.1 | 6.2                   | 4.4                   | 5.1                   | 0.0                 | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 1018.3              | 1080.3 | 1173.2 | 1328.3 | 0.0                 | 0.0       | 4.3       | 12.6      | 30.3      | 7.3      |
| 02               | 37.8      | 12.6      | 25.2 | 8.8                   | 7.1                   | 7.8                   | 0.2                 | 0.1   | 0.0   | 0.0   | 0.0   | 0.0   | 834.5               | 890.3  | 974.2  | 1114.2 | 0.0                 | 0.0       | 7.1       | 10.3      | 26.8      | 5.6      |
| 03               | 48.9      | 22.1      | 35.5 | 7.6                   | 4.3                   | 5.7                   | 4.2                 | 2.4   | 1.0   | 0.1   | 0.0   | 0.0   | 608.8               | 669.1  | 760.6  | 914.7  | 0.0                 | 0.0       | 15.2      | 4.5       | 26.2      | 1.7      |
| 04               | 59.2      | 32.0      | 45.6 | 4.4                   | 2.9                   | 3.4                   | 24.8                | 16.5  | 7.7   | 1.4   | 0.2   | 0.1   | 306.8               | 358.5  | 439.6  | 583.3  | 0.0                 | 0.3       | 22.9      | 0.8       | 15.3      | 0.0      |
| 05               | 70.0      | 43.3      | 56.6 | 4.0                   | 2.4                   | 2.8                   | 140.6               | 107.5 | 67.5  | 24.6  | 6.5   | 3.3   | 89.5                | 118.4  | 171.3  | 283.5  | 0.0                 | 1.3       | 29.7      | 0.0       | 3.5       | 0.0      |
| 06               | 81.0      | 53.7      | 67.4 | 4.4                   | 2.4                   | 3.1                   | 374.9               | 318.7 | 239.3 | 128.7 | 54.1  | 35.7  | 4.5                 | 8.3    | 18.9   | 58.3   | 1.0                 | 5.9       | 30.0      | 0.0       | 0.1       | 0.0      |
| 07               | 89.5      | 60.4      | 75.0 | 5.0                   | 2.5                   | 3.6                   | 618.2               | 556.3 | 463.9 | 314.5 | 180.8 | 136.1 | 0.0                 | 0.1    | 0.8    | 6.3    | 4.1                 | 16.4      | 31.0      | 0.0       | 0.0       | 0.0      |
| 08               | 88.5      | 58.0      | 73.2 | 3.3                   | 2.5                   | 2.6                   | 566.4               | 505.1 | 414.5 | 270.7 | 145.6 | 105.6 | 0.9                 | 1.5    | 4.0    | 15.1   | 3.3                 | 14.4      | 31.0      | 0.0       | 0.0       | 0.0      |
| 09               | 79.0      | 47.6      | 63.3 | 3.4                   | 2.8                   | 2.7                   | 277.6               | 230.3 | 166.8 | 87.1  | 37.5  | 24.9  | 28.8                | 41.4   | 68.0   | 138.2  | 1.1                 | 6.2       | 29.6      | 0.0       | 0.9       | 0.0      |
| 10               | 62.9      | 33.8      | 48.3 | 5.5                   | 3.0                   | 3.9                   | 49.5                | 34.9  | 19.3  | 5.6   | 1.1   | 0.5   | 255.5               | 303.0  | 380.3  | 521.6  | 0.0                 | 0.8       | 25.9      | 0.6       | 12.7      | 0.1      |
| 11               | 48.1      | 21.6      | 34.9 | 6.4                   | 3.3                   | 4.7                   | 2.4                 | 1.3   | 0.5   | 0.1   | 0.0   | 0.0   | 606.9               | 665.8  | 755.0  | 904.5  | 0.0                 | 0.0       | 14.5      | 4.5       | 26.6      | 1.3      |
| 12               | 36.3      | 12.2      | 24.2 | 7.1                   | 4.9                   | 5.8                   | 0.0                 | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 953.0               | 1015.0 | 1107.9 | 1263.0 | 0.0                 | 0.0       | 6.1       | 11.4      | 30.6      | 5.0      |
| Summary          | 61.3      | 34.0      | 47.6 | 5.5                   | 3.5                   | 4.3                   | 2059                | 1773  | 1380  | 833   | 426   | 306   | 4708                | 5152   | 5854   | 7131   | 9.5                 | 45.3      | 247.3     | 44.7      | 173.0     | 21.0     |

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

Current Location: Elev: 2206 ft. Lat: 44.0511° N Lon: 101.6011° W  
Station: PHILIP AP, SD US USW00024024

Summary of Monthly Normals  
1991-2020  
Generated on 05/22/2024

| 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                  | 0.43   | 5.3                 | 1.1     | 0.1     | 0.0     | 0.18                                                                                                                   | 0.30  | 0.51  |
| 02                  | 0.47   | 5.1                 | 1.6     | 0.0     | 0.0     | 0.20                                                                                                                   | 0.36  | 0.71  |
| 03                  | 0.89   | 6.2                 | 2.4     | 0.5     | 0.1     | 0.43                                                                                                                   | 0.79  | 1.28  |
| 04                  | 1.71   | 8.9                 | 4.8     | 0.8     | 0.1     | 1.22                                                                                                                   | 1.68  | 2.19  |
| 05                  | 2.96   | 10.6                | 5.3     | 1.9     | 0.6     | 1.28                                                                                                                   | 2.44  | 4.39  |
| 06                  | 2.90   | 11.4                | 6.1     | 1.8     | 0.4     | 1.77                                                                                                                   | 2.73  | 4.22  |
| 07                  | 1.83   | 8.3                 | 4.1     | 1.0     | 0.3     | 0.73                                                                                                                   | 1.69  | 2.76  |
| 08                  | 1.48   | 7.5                 | 3.9     | 0.9     | 0.2     | 0.75                                                                                                                   | 1.32  | 1.96  |
| 09                  | 1.23   | 6.1                 | 2.7     | 0.6     | 0.2     | 0.47                                                                                                                   | 0.80  | 1.72  |
| 10                  | 1.45   | 6.3                 | 2.6     | 0.8     | 0.3     | 0.60                                                                                                                   | 1.11  | 1.77  |
| 11                  | 0.49   | 3.9                 | 1.3     | 0.1     | 0.0     | 0.16                                                                                                                   | 0.33  | 0.58  |
| 12                  | 0.44   | 5.0                 | 1.1     | 0.2     | 0.1     | 0.11                                                                                                                   | 0.35  | 0.62  |
| Summary             | 16.28  | 84.6                | 37.0    | 8.7     | 2.3     | 7.90                                                                                                                   | 13.90 | 22.71 |

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

Summary of Monthly Normals  
1991-2020

Generated on 05/22/2024

Current Location: Elev: 2206 ft. Lat: 44.0511° N Lon: 101.6011° W

Station: PHILIP AP, SD US USW00024024

| 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                                      | 7.3  | 21.2 | 88.1 | 222.1 | 518.7 | 820.4 | 1083.0 | 1030.5 | 699.3 | 302.7 | 68.5 | 8.0  |
| 45                                      | 1.7  | 7.2  | 40.5 | 127.0 | 373.1 | 670.4 | 927.9  | 875.4  | 551.7 | 190.2 | 29.9 | 1.8  |
| 50                                      | 0.4  | 2.1  | 15.0 | 61.0  | 243.4 | 521.1 | 773.1  | 720.7  | 409.0 | 105.1 | 9.8  | 0.2  |
| 55                                      | 0.0  | 0.2  | 4.2  | 24.8  | 140.6 | 374.9 | 618.2  | 566.4  | 277.6 | 49.5  | 2.4  | 0.0  |
| 60                                      | 0.0  | 0.0  | 1.0  | 7.7   | 67.5  | 239.3 | 463.9  | 414.5  | 166.8 | 19.3  | 0.5  | 0.0  |
| Growing Degree Units for Corn (Monthly) |      |      |      |       |       |       |        |        |       |       |      |      |
| 50/86                                   | 12.6 | 28.6 | 93.4 | 169.1 | 323.2 | 512.1 | 689.5  | 650.5  | 441.7 | 222.8 | 75.5 | 16.4 |

| Growing Degree Units (Accumulated Monthly)          |    |    |     |     |     |      |      |      |      |      |      |      |
|-----------------------------------------------------|----|----|-----|-----|-----|------|------|------|------|------|------|------|
| 40                                                  | 7  | 28 | 117 | 339 | 857 | 1678 | 2761 | 3791 | 4491 | 4793 | 4862 | 4870 |
| 45                                                  | 2  | 9  | 49  | 176 | 550 | 1220 | 2148 | 3023 | 3575 | 3765 | 3795 | 3797 |
| 50                                                  | 0  | 2  | 18  | 78  | 322 | 843  | 1616 | 2337 | 2746 | 2851 | 2861 | 2861 |
| 55                                                  | 0  | 0  | 4   | 29  | 170 | 545  | 1163 | 1729 | 2007 | 2056 | 2059 | 2059 |
| 60                                                  | 0  | 0  | 1   | 9   | 76  | 316  | 779  | 1194 | 1361 | 1380 | 1380 | 1380 |
| Growing Degree Units for Corn (Monthly Accumulated) |    |    |     |     |     |      |      |      |      |      |      |      |
| 50/86                                               | 13 | 41 | 135 | 304 | 627 | 1139 | 1828 | 2479 | 2921 | 3144 | 3219 | 3235 |

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.