

Summary of Monthly Normals  
1991-2020

Current Location: Elev: 2877 ft. Lat: 41.4322° N Lon: 100.2719° W  
Station: **ARNOLD 4 WNW, NE US USC00250355**  
Generated on 06/04/2024

| 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               | 35.5      | 12.7      | 24.1 | 5.3                   | 3.9                   | 4.4                   | 0.0                 | 0.0   | 0.0   | 0.0   | 0.0   | 0.0  | 957.8               | 1019.8 | 1112.8 | 1267.9 | 0.0                 | 0.0       | 7.5       | 10.2      | 30.7      | 5.4      |
| 02               | 38.3      | 15.6      | 26.9 | 7.1                   | 5.4                   | 6.0                   | 0.1                 | 0.0   | 0.0   | 0.0   | 0.0   | 0.0  | 785.3               | 841.2  | 925.2  | 1065.3 | 0.0                 | 0.0       | 8.6       | 8.8       | 27.1      | 3.4      |
| 03               | 50.0      | 24.1      | 37.1 | 5.9                   | 3.7                   | 4.5                   | 3.2                 | 1.6   | 0.6   | 0.0   | 0.0   | 0.0  | 559.7               | 620.2  | 712.1  | 866.5  | 0.0                 | 0.0       | 18.2      | 3.3       | 25.6      | 0.9      |
| 04               | 58.5      | 34.0      | 46.2 | 3.6                   | 2.6                   | 2.8                   | 23.5                | 14.8  | 6.6   | 1.0   | 0.0   | 0.0  | 286.0               | 337.3  | 419.0  | 563.4  | 0.0                 | 0.0       | 24.4      | 0.7       | 13.7      | 0.0      |
| 05               | 68.0      | 45.7      | 56.8 | 3.6                   | 2.5                   | 2.8                   | 143.2               | 110.2 | 70.8  | 25.8  | 5.2   | 2.3  | 85.9                | 114.9  | 168.5  | 278.5  | 0.0                 | 1.3       | 30.3      | 0.0       | 3.0       | 0.0      |
| 06               | 78.8      | 57.0      | 67.9 | 3.4                   | 2.5                   | 2.8                   | 391.1               | 334.5 | 252.8 | 134.0 | 52.9  | 32.1 | 4.2                 | 7.6    | 15.9   | 47.1   | 0.1                 | 5.0       | 29.9      | 0.0       | 0.0       | 0.0      |
| 07               | 84.9      | 62.0      | 73.4 | 3.9                   | 2.4                   | 2.9                   | 571.7               | 509.9 | 417.3 | 267.0 | 134.2 | 91.9 | 0.0                 | 0.1    | 0.6    | 5.2    | 1.2                 | 10.7      | 31.0      | 0.0       | 0.0       | 0.0      |
| 08               | 82.4      | 58.8      | 70.6 | 3.0                   | 2.3                   | 2.5                   | 484.1               | 423.1 | 333.3 | 193.4 | 84.0  | 54.3 | 0.6                 | 1.6    | 4.8    | 19.8   | 0.5                 | 7.9       | 31.0      | 0.0       | 0.0       | 0.0      |
| 09               | 75.6      | 48.6      | 62.1 | 3.1                   | 2.8                   | 2.7                   | 240.1               | 193.7 | 134.4 | 60.1  | 16.8  | 8.3  | 27.2                | 40.9   | 71.6   | 147.2  | 0.0                 | 3.5       | 29.7      | 0.0       | 1.1       | 0.0      |
| 10               | 61.6      | 35.4      | 48.5 | 3.7                   | 2.8                   | 2.9                   | 45.5                | 31.0  | 16.0  | 4.4   | 0.5   | 0.2  | 246.9               | 294.6  | 372.5  | 515.9  | 0.0                 | 0.4       | 26.4      | 0.6       | 12.5      | 0.0      |
| 11               | 47.7      | 23.1      | 35.4 | 5.8                   | 3.4                   | 4.2                   | 2.3                 | 1.1   | 0.3   | 0.0   | 0.0   | 0.0  | 590.3               | 649.1  | 738.2  | 888.0  | 0.0                 | 0.0       | 15.6      | 4.2       | 26.9      | 0.7      |
| 12               | 36.9      | 14.6      | 25.7 | 4.6                   | 4.1                   | 4.2                   | 0.1                 | 0.0   | 0.0   | 0.0   | 0.0   | 0.0  | 906.5               | 968.5  | 1061.5 | 1216.6 | 0.0                 | 0.0       | 7.6       | 9.5       | 30.5      | 3.6      |
| Summary          | 59.9      | 36.0      | 47.9 | 4.4                   | 3.2                   | 3.6                   | 1905                | 1620  | 1232  | 686   | 294   | 189  | 4450                | 4896   | 5603   | 6881   | 1.8                 | 28.8      | 260.2     | 37.3      | 171.1     | 14.0     |

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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                  | 0.35   | 2.8                 | 1.2     | 0.1     | 0.0     | 0.10                                                                                                                   | 0.24  | 0.51  |  |
| 02                  | 0.62   | 4.0                 | 1.9     | 0.2     | 0.0     | 0.31                                                                                                                   | 0.55  | 0.94  |  |
| 03                  | 1.17   | 4.7                 | 2.7     | 0.9     | 0.3     | 0.33                                                                                                                   | 0.84  | 1.54  |  |
| 04                  | 2.47   | 6.7                 | 5.2     | 2.0     | 0.7     | 1.43                                                                                                                   | 2.14  | 3.21  |  |
| 05                  | 3.73   | 8.5                 | 6.5     | 2.3     | 0.7     | 1.82                                                                                                                   | 3.30  | 4.32  |  |
| 06                  | 4.06   | 9.4                 | 7.1     | 2.9     | 1.1     | 2.39                                                                                                                   | 3.65  | 5.94  |  |
| 07                  | 3.47   | 8.0                 | 6.1     | 2.6     | 0.9     | 2.03                                                                                                                   | 3.33  | 4.72  |  |
| 08                  | 2.60   | 6.1                 | 4.4     | 2.2     | 0.6     | 0.66                                                                                                                   | 2.49  | 3.91  |  |
| 09                  | 1.83   | 4.9                 | 3.6     | 1.1     | 0.4     | 0.86                                                                                                                   | 1.33  | 2.63  |  |
| 10                  | 1.88   | 5.4                 | 3.6     | 1.1     | 0.4     | 0.81                                                                                                                   | 1.81  | 2.49  |  |
| 11                  | 0.72   | 3.4                 | 2.2     | 0.5     | 0.1     | 0.17                                                                                                                   | 0.54  | 1.01  |  |
| 12                  | 0.62   | 2.5                 | 1.3     | 0.3     | 0.0     | 0.10                                                                                                                   | 0.31  | 0.66  |  |
| Summary             | 23.52  | 66.4                | 45.8    | 16.2    | 5.2     | 11.01                                                                                                                  | 20.53 | 31.88 |  |

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U.S. Department of Commerce  
National Oceanic & Atmospheric Administration  
National Environmental Satellite, Data, and Information Service

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Summary of Monthly Normals  
1991-2020  
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National Centers for Environmental Information  
151 Patton Avenue  
Asheville, North Carolina 28801

| 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         | 5.40             | 2.4                    | 1.7  | 0.5 | 0.1  | 0.1   |                          |     |     |     | 0.40                                                                                              | 3.50 | 8.50  |
| 02         | 7.20             | 3.1                    | 2.2  | 1.0 | 0.4  | 0.0   |                          |     |     |     | 1.30                                                                                              | 7.70 | 10.20 |
| 03         | 4.20             | 2.1                    | 1.5  | 0.7 | 0.3  | 0.1   |                          |     |     |     | 1.50                                                                                              | 4.00 | 5.30  |
| 04         | 2.70             | 0.8                    | 0.8  | 0.5 | 0.1  | 0.0   |                          |     |     |     | 0.00                                                                                              | 0.00 | 3.80  |
| 05         | 0.40             | 0.1                    | 0.1  | 0.1 | 0.0  | 0.0   |                          |     |     |     | 0.00                                                                                              | 0.00 | 0.00  |
| 06         | 0.00             | 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   |                          |     |     |     | 0.00                                                                                              | 0.00 | 0.00  |
| 08         | 0.00             | 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   |                          |     |     |     | 0.00                                                                                              | 0.00 | 0.00  |
| 10         | 1.20             | 0.7                    | 0.6  | 0.2 | 0.1  | 0.0   |                          |     |     |     | 0.00                                                                                              | 0.00 | 0.60  |
| 11         | 3.60             | 1.6                    | 1.3  | 0.5 | 0.1  | 0.0   |                          |     |     |     | 1.20                                                                                              | 3.20 | 5.00  |
| 12         | 6.10             | 2.3                    | 2.0  | 0.9 | 0.2  | 0.0   |                          |     |     |     | 2.40                                                                                              | 3.70 | 7.10  |
| Summary    | 30.8             | 13.1                   | 10.2 | 4.4 | 1.3  | 0.2   | 0.0                      | 0.0 | 0.0 | 0.0 | 6.8                                                                                               | 22.1 | 40.5  |

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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                                      | 5.6  | 18.3 | 96.3 | 234.0 | 524.1 | 836.8 | 1036.5 | 948.4 | 663.1 | 300.6 | 67.5 | 8.8  |
| 45                                      | 1.0  | 4.8  | 42.8 | 133.6 | 377.6 | 686.8 | 881.4  | 793.4 | 515.3 | 188.4 | 28.1 | 1.8  |
| 50                                      | 0.1  | 0.8  | 14.4 | 63.5  | 247.7 | 537.6 | 726.5  | 638.5 | 372.1 | 102.6 | 9.6  | 0.4  |
| 55                                      | 0.0  | 0.1  | 3.2  | 23.5  | 143.2 | 391.1 | 571.7  | 484.1 | 240.1 | 45.5  | 2.3  | 0.1  |
| 60                                      | 0.0  | 0.0  | 0.6  | 6.6   | 70.8  | 252.8 | 417.3  | 333.3 | 134.4 | 16.0  | 0.3  | 0.0  |
| Growing Degree Units for Corn (Monthly) |      |      |      |       |       |       |        |       |       |       |      |      |
| 50/86                                   | 12.3 | 24.6 | 93.2 | 159.6 | 307.9 | 532.4 | 691.5  | 621.0 | 419.1 | 207.4 | 68.8 | 15.2 |

| Growing Degree Units (Accumulated Monthly)          |    |    |     |     |     |      |      |      |      |      |      |      |
|-----------------------------------------------------|----|----|-----|-----|-----|------|------|------|------|------|------|------|
| 40                                                  | 6  | 24 | 120 | 354 | 878 | 1715 | 2752 | 3700 | 4363 | 4664 | 4731 | 4740 |
| 45                                                  | 1  | 6  | 49  | 182 | 560 | 1247 | 2128 | 2921 | 3437 | 3625 | 3653 | 3655 |
| 50                                                  | 0  | 1  | 15  | 79  | 326 | 864  | 1591 | 2229 | 2601 | 2704 | 2713 | 2714 |
| 55                                                  | 0  | 0  | 3   | 27  | 170 | 561  | 1133 | 1617 | 1857 | 1902 | 1905 | 1905 |
| 60                                                  | 0  | 0  | 1   | 7   | 78  | 331  | 748  | 1081 | 1216 | 1232 | 1232 | 1232 |
| Growing Degree Units for Corn (Monthly Accumulated) |    |    |     |     |     |      |      |      |      |      |      |      |
| 50/86                                               | 12 | 37 | 130 | 290 | 598 | 1130 | 1822 | 2442 | 2862 | 3069 | 3138 | 3153 |

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

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