

Summary of Monthly Normals  
1991-2020

Current Location: Elev: 715 ft. Lat: 36.7683° N Lon: 96.0261° W  
Station: **BARTLESVILLE F P FLD, OK US USW00003959**  
Generated on 04/25/2024

| 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               | 47.1      | 22.3      | 34.7 | 4.1                   | 3.0                   | 3.1                   | 1.9                 | 1.0   | 0.3   | 0.0   | 0.0   | 0.0   | 631.0               | 692.1 | 784.4 | 939.0 | 0.0                 | 0.0       | 14.5      | 3.9       | 25.6      | 0.4      |
| 02               | 52.4      | 26.4      | 39.4 | 5.1                   | 4.0                   | 4.2                   | 9.5                 | 6.1   | 3.0   | 0.6   | 0.1   | 0.0   | 446.3               | 498.9 | 579.7 | 717.3 | 0.0                 | 0.0       | 16.7      | 2.1       | 19.5      | 0.2      |
| 03               | 62.0      | 35.4      | 48.7 | 4.7                   | 4.1                   | 4.1                   | 54.0                | 39.2  | 22.6  | 7.0   | 0.9   | 0.3   | 249.4               | 296.5 | 372.9 | 512.3 | 0.0                 | 0.2       | 26.3      | 0.3       | 11.4      | 0.0      |
| 04               | 71.0      | 45.1      | 58.1 | 3.1                   | 3.3                   | 3.0                   | 160.3               | 124.7 | 80.6  | 31.8  | 8.2   | 3.8   | 68.9                | 93.1  | 139.1 | 240.3 | 0.0                 | 0.5       | 29.5      | 0.0       | 2.5       | 0.0      |
| 05               | 78.8      | 55.3      | 67.1 | 3.1                   | 2.7                   | 2.6                   | 380.4               | 323.6 | 243.8 | 131.9 | 54.0  | 32.9  | 6.8                 | 12.0  | 25.2  | 68.4  | 0.0                 | 2.8       | 30.9      | 0.0       | 0.0       | 0.0      |
| 06               | 87.5      | 64.6      | 76.1 | 2.9                   | 2.0                   | 2.2                   | 631.5               | 571.5 | 481.6 | 333.7 | 195.1 | 145.3 | 0.1                 | 0.1   | 0.3   | 2.3   | 0.3                 | 13.3      | 30.0      | 0.0       | 0.0       | 0.0      |
| 07               | 92.7      | 68.5      | 80.6 | 3.2                   | 2.2                   | 2.4                   | 793.5               | 731.5 | 638.5 | 483.6 | 330.5 | 270.9 | 0.0                 | 0.0   | 0.0   | 0.2   | 4.5                 | 23.4      | 31.0      | 0.0       | 0.0       | 0.0      |
| 08               | 92.2      | 66.4      | 79.3 | 4.0                   | 2.6                   | 3.0                   | 753.2               | 691.2 | 598.1 | 443.4 | 293.1 | 236.3 | 0.0                 | 0.0   | 0.0   | 0.4   | 5.6                 | 21.0      | 31.0      | 0.0       | 0.0       | 0.0      |
| 09               | 84.2      | 57.7      | 70.9 | 3.6                   | 3.3                   | 3.1                   | 480.6               | 422.7 | 338.4 | 210.8 | 109.2 | 78.3  | 2.2                 | 4.2   | 10.0  | 32.4  | 0.7                 | 9.3       | 30.0      | 0.0       | 0.1       | 0.0      |
| 10               | 72.7      | 45.3      | 59.0 | 3.4                   | 2.6                   | 2.5                   | 186.6               | 147.6 | 98.3  | 40.9  | 12.0  | 6.6   | 62.7                | 85.6  | 129.3 | 226.8 | 0.0                 | 0.9       | 30.4      | 0.0       | 2.3       | 0.0      |
| 11               | 60.3      | 34.1      | 47.2 | 4.8                   | 3.7                   | 3.8                   | 37.3                | 25.7  | 13.7  | 3.4   | 0.5   | 0.2   | 271.3               | 319.7 | 397.7 | 537.4 | 0.0                 | 0.0       | 25.2      | 0.2       | 13.2      | 0.0      |
| 12               | 49.2      | 25.3      | 37.3 | 4.1                   | 3.4                   | 3.4                   | 5.0                 | 3.3   | 1.6   | 0.1   | 0.0   | 0.0   | 555.0               | 615.4 | 706.6 | 860.1 | 0.0                 | 0.0       | 16.9      | 2.4       | 22.8      | 0.2      |
| Summary          | 70.8      | 45.5      | 58.2 | 3.8                   | 3.1                   | 3.1                   | 3494                | 3088  | 2520  | 1687  | 1004  | 775   | 2294                | 2618  | 3145  | 4137  | 11.1                | 71.4      | 312.4     | 8.9       | 97.4      | 0.8      |

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

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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                  | 1.53   | 6.1                 | 3.1     | 0.9     | 0.4     | 0.50                                                                                                                   | 1.17  | 2.70  |
| 02                  | 1.88   | 6.4                 | 3.9     | 1.1     | 0.4     | 0.64                                                                                                                   | 1.63  | 2.84  |
| 03                  | 3.00   | 8.7                 | 5.3     | 2.0     | 0.8     | 1.38                                                                                                                   | 2.31  | 4.24  |
| 04                  | 4.29   | 9.4                 | 6.6     | 2.7     | 1.2     | 2.91                                                                                                                   | 3.67  | 4.80  |
| 05                  | 5.68   | 11.2                | 7.8     | 3.7     | 1.7     | 3.29                                                                                                                   | 5.33  | 7.52  |
| 06                  | 5.29   | 9.3                 | 6.3     | 3.9     | 1.8     | 2.85                                                                                                                   | 4.52  | 7.05  |
| 07                  | 3.65   | 7.7                 | 5.1     | 2.4     | 1.2     | 1.99                                                                                                                   | 3.30  | 5.09  |
| 08                  | 3.39   | 7.6                 | 4.8     | 2.1     | 1.0     | 1.36                                                                                                                   | 3.24  | 5.07  |
| 09                  | 3.43   | 8.1                 | 5.1     | 2.0     | 1.1     | 1.61                                                                                                                   | 3.46  | 4.67  |
| 10                  | 3.63   | 8.1                 | 5.0     | 2.3     | 1.2     | 1.56                                                                                                                   | 3.52  | 5.27  |
| 11                  | 2.36   | 6.7                 | 3.9     | 1.6     | 0.7     | 1.05                                                                                                                   | 2.00  | 3.17  |
| 12                  | 2.12   | 6.1                 | 3.6     | 1.7     | 0.5     | 0.95                                                                                                                   | 1.85  | 2.55  |
| Summary             | 40.25  | 95.4                | 60.5    | 26.4    | 12.0    | 20.09                                                                                                                  | 36.00 | 54.97 |

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Summary of Monthly Normals  
1991-2020  
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| 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         | 1.90             | 0.9                    | 0.6 | 0.2 | 0.0  | 0.0   | 1.3                      | 0.4 | 0.0 | 0.0 | 0.00                                                                                              | 1.40 | 2.10 |
| 02         | 1.60             | 0.5                    | 0.3 | 0.2 | 0.0  | 0.0   | 0.7                      | 0.5 | 0.2 | 0.1 | 0.00                                                                                              | 0.00 | 0.40 |
| 03         | 1.50             | 0.3                    | 0.3 | 0.2 | 0.1  | 0.0   | 0.4                      | 0.2 | 0.1 | 0.0 | 0.00                                                                                              | 0.00 | 0.50 |
| 04         | 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 |
| 05         | 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 |
| 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         | 0.00             | 0.0                    | 0.0 | 0.0 | 0.0  | 0.0   | 0.0                      | 0.0 | 0.0 | 0.0 | 0.00                                                                                              | 0.00 | 0.00 |
| 11         | 0.20             | 0.2                    | 0.0 | 0.0 | 0.0  | 0.0   | 0.1                      | 0.0 | 0.0 | 0.0 | 0.00                                                                                              | 0.00 | 0.00 |
| 12         | 3.00             | 0.6                    | 0.5 | 0.3 | 0.2  | 0.0   | 1.9                      | 1.0 | 0.4 | 0.0 | 0.00                                                                                              | 0.00 | 2.50 |
| Summary    | 8.2              | 2.5                    | 1.7 | 0.9 | 0.3  | 0.0   | 4.4                      | 2.1 | 0.7 | 0.1 | 0.0                                                                                               | 1.4  | 5.5  |

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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                                      | 55.7 | 110.3 | 306.0 | 543.7 | 838.6 | 1081.3 | 1258.4 | 1218.0 | 928.4 | 591.5 | 256.4 | 78.0 |
| 45                                      | 21.1 | 55.9  | 194.0 | 401.1 | 683.8 | 931.3  | 1103.4 | 1063.1 | 778.4 | 442.6 | 155.6 | 33.6 |
| 50                                      | 6.8  | 25.6  | 109.5 | 270.2 | 529.7 | 781.4  | 948.5  | 908.2  | 628.8 | 304.6 | 82.6  | 13.2 |
| 55                                      | 1.9  | 9.5   | 54.0  | 160.3 | 380.4 | 631.5  | 793.5  | 753.2  | 480.6 | 186.6 | 37.3  | 5.0  |
| 60                                      | 0.3  | 3.0   | 22.6  | 80.6  | 243.8 | 481.6  | 638.5  | 598.1  | 338.4 | 98.3  | 13.7  | 1.6  |
| Growing Degree Units for Corn (Monthly) |      |       |       |       |       |        |        |        |       |       |       |      |
| 50/86                                   | 59.4 | 97.4  | 214.9 | 346.4 | 543.3 | 733.4  | 837.4  | 799.7  | 606.4 | 386.1 | 180.1 | 69.1 |

| Growing Degree Units (Accumulated Monthly)          |    |     |     |      |      |      |      |      |      |      |      |      |
|-----------------------------------------------------|----|-----|-----|------|------|------|------|------|------|------|------|------|
| 40                                                  | 56 | 166 | 472 | 1016 | 1854 | 2936 | 4194 | 5412 | 6340 | 6932 | 7188 | 7266 |
| 45                                                  | 21 | 77  | 271 | 672  | 1356 | 2287 | 3391 | 4454 | 5232 | 5675 | 5830 | 5864 |
| 50                                                  | 7  | 32  | 142 | 412  | 942  | 1723 | 2672 | 3580 | 4209 | 4513 | 4596 | 4609 |
| 55                                                  | 2  | 11  | 65  | 226  | 606  | 1238 | 2031 | 2784 | 3265 | 3452 | 3489 | 3494 |
| 60                                                  | 0  | 3   | 26  | 106  | 350  | 832  | 1470 | 2068 | 2407 | 2505 | 2519 | 2520 |
| Growing Degree Units for Corn (Monthly Accumulated) |    |     |     |      |      |      |      |      |      |      |      |      |
| 50/86                                               | 59 | 157 | 372 | 718  | 1261 | 1995 | 2832 | 3632 | 4238 | 4624 | 4805 | 4874 |

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