# 2022 SEREC
# AGRICULTURAL RESEARCH

**K-STATE** Research and Extension

## Annual Summary of Weather Data for Parsons - 2021

### 2021 Data

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Avg. Max | 43.5 | 34.8 | 61.2 | 66.7 | 70.9 | 86.5 | 87.8 | 88.8 | 86.6 | 72.6 | 58.8 | 58.0 | 68.0 |
| Avg. Min | 25.5 | 14.8 | 38.4 | 44.5 | 53.2 | 65.0 | 67.2 | 68.5 | 59.7 | 48.4 | 34.2 | 33.5 | 46.1 |
| Avg. Mean | 34.5 | 24.8 | 49.8 | 55.6 | 62.1 | 75.7 | 77.5 | 78.6 | 73.2 | 60.5 | 46.5 | 45.8 | 57.0 |
| Precip | 4.29 | 0.65 | 6.33 | 2.3 | 6.03 | 8.15 | 9.9 | 3.29 | 2.68 | 5.77 | 0.51 | 1.37 | 51.29 |
| Snow | 0.9 | 7.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.4 |
| Heat DD* | 946 | 1166 | 471 | 296 | 147 | 6 | 0 | 0 | 13 | 176 | 556 | 577 | 4351 |
| Cool DD* | 0 | 0 | 0 | 13 | 56 | 327 | 387 | 423 | 259 | 35 | 0 | 0 | 1499 |
| Rain Days | 10 | 6 | 13 | 10 | 19 | 10 | 7 | 11 | 5 | 10 | 3 | 5 | 109 |
| Min < 10 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| Min < 32 | 29 | 27 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 13 | 85 |
| Max > 90 | 0 | 0 | 0 | 0 | 0 | 11 | 9 | 14 | 7 | 0 | 0 | 0 | 41 |

### Normal values (1981–2010)

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Avg. Max | 42.0 | 47.6 | 57.1 | 67.1 | 75.7 | 84.4 | 90.0 | 90.3 | 81.3 | 69.6 | 56.6 | 44.2 | 67.2 |
| Avg. Min | 21.8 | 26.0 | 35.0 | 44.5 | 55.0 | 64.1 | 68.5 | 66.6 | 57.6 | 45.5 | 35.3 | 24.6 | 45.5 |
| Avg. Mean | 31.9 | 36.8 | 46.1 | 55.8 | 65.3 | 74.2 | 79.3 | 78.5 | 69.4 | 57.6 | 46.0 | 34.4 | 56.4 |
| Precip | 1.41 | 1.77 | 3.19 | 4.38 | 5.93 | 5.53 | 3.92 | 3.29 | 4.69 | 3.86 | 2.94 | 2.06 | 42.97 |
| Snow | 2.8 | 1.7 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 2.7 | 8.7 |
| Heat DD | 1026 | 790 | 590 | 299 | 85 | 8 | 1 | 1 | 52 | 260 | 574 | 948 | 4632 |
| Cool DD | 0 | 0 | 2 | 23 | 96 | 285 | 442 | 418 | 186 | 29 | 2 | 0 | 1483 |

### Departure from normal

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Avg. Max | 1.5 | -12.8 | 4.1 | -0.4 | -4.8 | 2.1 | -2.2 | -1.5 | 5.3 | 3.0 | 2.2 | 13.8 | 0.9 |
| Avg. Min | 3.7 | -11.2 | 3.4 | 0.0 | -1.8 | 0.9 | -1.3 | 1.9 | 2.1 | 2.9 | -1.1 | 8.9 | 0.7 |
| Avg. Mean | 2.6 | -12.0 | 3.7 | -0.2 | -3.2 | 1.5 | -1.8 | 0.1 | 3.8 | 2.9 | 0.5 | 11.4 | 0.8 |
| Precip | 2.88 | -1.12 | 3.14 | -2.06 | 0.1 | 2.62 | 5.98 | 0 | -2.01 | 1.91 | -2.43 | -0.69 | 8.32 |
| Snow | -1.9 | 5.8 | -1.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | -2.7 | -0.3 |
| Heat DD | -81 | 376 | -120 | -4 | 62 | -3 | -1 | -1 | -39 | -85 | -19 | -371 | -283 |
| Cool DD | 0 | 0 | -2 | -11 | -40 | 42 | -55 | 5 | 73 | 6 | -2 | 0 | 16 |

\* Daily values were computed from mean temperatures. Each degree that a day's mean is below (or above) 65°F is counted for one heating (or cooling degree day).

**Weather Summary for Parsons - 2021**