

| Date | Temperature | | | | | | | | | | | | Degree Days | | | | Precipitation | | Pressure | Solar Rad | Wind | Resultant | | | |
|---------|-------------|--------|-----------|--------|--------|-----------|--------|--------|--------|--------|------|------|-------------|-----------|---------|---------|---------------------|------------|-----------|-----------|----------------------|-----------|----------|----------|----------|
| | ORNL | ORNL | ORNL | ORNL | ORNL | ORNL | KOQT | KOQT | ORNL | KOQT | ORNL | KOQT | Dew Pt. C | Wt Bulb C | Heating | Cooling | Significant Weather | Water (in) | Snow (in) | Avg. (in) | Avg W/m ² | deg | Wind Spd | Wind Spd | Pk Speed |
| | Max. C | Min. C | Hr Avg. C | Max. F | Min. F | Hr Avg. F | Max. F | Min. F | Avg. F | Avg. F | DFN | DFN | | | | | | | | | | | | | |
| 01 | 32.5 | 21.2 | 25.8 | 91 | 70 | 78 | 90 | 73 | 81 | 82 | 3.1 | 4.1 | 20.8 | 22.5 | 0 | 16 | TS | 0.00 | 0.0 | 29.12 | 295.4 | 219.1 | 1.4 | 2.6 | 7.1 |
| 02 | 31.6 | 21.2 | 25.8 | 89 | 70 | 78 | 90 | 71 | 80 | 81 | 2.0 | 3.0 | 20.9 | 22.3 | 0 | 15 | TS | 0.00 | 0.0 | 29.15 | 274.6 | 131.7 | 0.2 | 2.4 | 6.6 |
| 03 | 33.3 | 21.6 | 26.8 | 92 | 71 | 80 | 95 | 72 | 82 | 83 | 3.9 | 4.9 | 21.5 | 23.4 | 0 | 17 | | 0.00 | 0.0 | 29.21 | 311.2 | 36.7 | 1.9 | 2.4 | 6.3 |
| 04 | 34.4 | 21.6 | 27.7 | 94 | 71 | 82 | 95 | 74 | 83 | 84 | 4.8 | 5.8 | 21.1 | 23.7 | 0 | 18 | | 0.00 | 0.0 | 29.26 | 341.9 | 60.4 | 2.7 | 3.4 | 8.6 |
| 05 | 34.3 | 21.7 | 27.0 | 94 | 71 | 81 | 95 | 74 | 83 | 84 | 4.7 | 5.7 | 21.4 | 23.3 | 0 | 18 | | 0.00 | 0.0 | 29.31 | 318.6 | 284.0 | 0.6 | 2.3 | 6.3 |
| 06 | 32.9 | 21.2 | 24.9 | 91 | 70 | 77 | 91 | 71 | 81 | 81 | 2.7 | 2.7 | 21.0 | 22.1 | 0 | 16 | R, TS | 0.29 | 0.0 | 29.25 | 234.4 | 278.6 | 0.4 | 2.9 | 8.9 |
| 07 | 28.7 | 20.7 | 22.9 | 84 | 69 | 73 | 85 | 70 | 77 | 77 | -1.4 | -1.4 | 20.6 | 21.3 | 0 | 12 | R, TS | 0.18 | 0.0 | 29.23 | 164.6 | 49.0 | 2.4 | 2.9 | 8.2 |
| 08 | 30.1 | 20.5 | 24.2 | 86 | 69 | 76 | 89 | 70 | 78 | 80 | -0.4 | 1.6 | 19.5 | 21.2 | 0 | 13 | | 0.00 | 0.0 | 29.30 | 286.6 | 53.0 | 1.2 | 2.4 | 6.1 |
| 09 | 31.3 | 18.3 | 24.3 | 88 | 65 | 76 | 90 | 67 | 77 | 78 | -1.5 | -0.5 | 19.5 | 21.3 | 0 | 12 | | 0.00 | 0.0 | 29.30 | 291.5 | 239.2 | 1.3 | 2.2 | 5.6 |
| 10 | 32.9 | 19.8 | 25.9 | 91 | 68 | 79 | 93 | 70 | 80 | 82 | 1.5 | 3.5 | 20.1 | 22.0 | 0 | 15 | TS | 0.00 | 0.0 | 29.19 | 332.2 | 252.3 | 1.7 | 2.5 | 7.0 |
| 11 | 32.5 | 20.8 | 26.0 | 91 | 69 | 79 | 91 | 73 | 80 | 82 | 1.4 | 3.4 | 20.5 | 22.3 | 0 | 15 | | 0.00 | 0.0 | 29.11 | 297.1 | 324.1 | 0.6 | 2.2 | 6.1 |
| 12 | 33.1 | 20.3 | 26.3 | 92 | 69 | 79 | 92 | 72 | 81 | 82 | 2.4 | 3.4 | 20.1 | 22.0 | 0 | 16 | | 0.00 | 0.0 | 29.16 | 306.5 | 43.2 | 1.6 | 2.9 | 7.9 |
| 13 | 33.4 | 18.8 | 25.9 | 92 | 66 | 79 | 93 | 69 | 79 | 81 | 0.4 | 2.4 | 19.0 | 21.3 | 0 | 14 | | 0.00 | 0.0 | 29.18 | 342.0 | 282.4 | 0.7 | 2.0 | 5.6 |
| 14 | 32.6 | 21.7 | 26.7 | 91 | 71 | 80 | 91 | 74 | 81 | 82 | 2.4 | 3.4 | 20.8 | 22.7 | 0 | 16 | | 0.00 | 0.0 | 29.18 | 255.0 | 196.5 | 1.5 | 2.7 | 7.4 |
| 15 | 31.7 | 20.8 | 25.5 | 89 | 69 | 78 | 90 | 74 | 79 | 82 | 0.4 | 3.4 | 21.4 | 22.7 | 0 | 14 | | 0.00 | 0.0 | 29.14 | 208.9 | 240.2 | 2.2 | 2.4 | 6.3 |
| 16 | 31.6 | 22.3 | 25.4 | 89 | 72 | 78 | 89 | 76 | 81 | 82 | 2.4 | 3.4 | 22.0 | 23.1 | 0 | 16 | R, TS | 0.34 | 0.0 | 29.09 | 216.7 | 234.7 | 2.1 | 2.6 | 6.6 |
| 17 | 31.2 | 21.2 | 24.9 | 88 | 70 | 77 | 89 | 73 | 79 | 81 | 0.4 | 2.4 | 21.5 | 22.4 | 0 | 14 | R, TS | Trace | 0.0 | 29.07 | 273.3 | 226.6 | 2.6 | 3.4 | 8.7 |
| 18 | 32.7 | 20.1 | 25.7 | 91 | 68 | 78 | 90 | 70 | 80 | 80 | 1.4 | 1.4 | 18.3 | 20.6 | 0 | 15 | | 0.00 | 0.0 | 29.07 | 339.8 | 51.8 | 2.4 | 3.0 | 8.4 |
| 19 | 33.7 | 17.1 | 25.1 | 93 | 63 | 77 | 92 | 66 | 78 | 79 | -0.6 | 0.4 | 18.6 | 20.5 | 0 | 13 | | 0.00 | 0.0 | 29.06 | 319.2 | 168.6 | 0.7 | 3.0 | 8.6 |
| 20 | 31.9 | 18.9 | 25.4 | 89 | 66 | 78 | 90 | 69 | 78 | 80 | -0.6 | 1.4 | 19.3 | 21.1 | 0 | 13 | R, TS | 2.25 | 0.0 | 29.05 | 319.1 | 217.6 | 3.1 | 4.1 | 10.8 |
| 21 | 30.1 | 17.5 | 22.8 | 86 | 64 | 73 | 87 | 65 | 75 | 76 | -3.6 | -2.6 | 18.3 | 19.7 | 0 | 10 | R, TS | 0.74 | 0.0 | 28.93 | 296.3 | 243.8 | 2.3 | 4.6 | 14.1 |
| 22 | 26.7 | 19.2 | 21.6 | 80 | 67 | 71 | 80 | 69 | 74 | 75 | -4.6 | -3.6 | 19.3 | 19.7 | 0 | 9 | R, TS | 1.10 | 0.0 | 28.86 | 171.2 | 223.4 | 2.4 | 3.2 | 8.0 |
| 23 | 28.7 | 18.6 | 22.8 | 84 | 65 | 73 | 86 | 68 | 75 | 77 | -3.6 | -1.6 | 18.9 | 19.9 | 0 | 10 | | 0.00 | 0.0 | 28.92 | 276.1 | 295.0 | 1.4 | 2.4 | 6.6 |
| 24 | 26.9 | 18.9 | 22.9 | 80 | 66 | 73 | 84 | 69 | 73 | 77 | -5.6 | -1.6 | 19.4 | 20.5 | 0 | 8 | | 0.00 | 0.0 | 29.04 | 183.5 | 12.9 | 0.9 | 2.1 | 5.6 |
| 25 | 30.4 | 18.3 | 23.8 | 87 | 65 | 75 | 90 | 68 | 76 | 79 | -2.6 | 0.4 | 18.3 | 20.0 | 0 | 11 | | 0.00 | 0.0 | 29.04 | 296.7 | 312.2 | 0.7 | 2.0 | 5.8 |
| 26 | 30.7 | 16.0 | 23.1 | 87 | 61 | 74 | 90 | 64 | 74 | 77 | -4.6 | -1.6 | 17.3 | 19.5 | 0 | 9 | | 0.00 | 0.0 | 29.08 | 326.3 | 234.0 | 1.3 | 1.9 | 5.2 |
| 27 | 29.5 | 17.9 | 23.4 | 85 | 64 | 74 | 88 | 67 | 75 | 77 | -3.6 | -1.6 | 18.7 | 20.6 | 0 | 10 | | 0.00 | 0.0 | 29.11 | 241.5 | 250.2 | 1.8 | 2.4 | 6.3 |
| 28 | 29.1 | 15.3 | 22.0 | 84 | 60 | 72 | 86 | 62 | 72 | 74 | -6.6 | -4.6 | 16.1 | 18.5 | 0 | 7 | | 0.00 | 0.0 | 29.17 | 281.8 | 1.6 | 0.8 | 1.7 | 4.9 |
| 29 | 30.6 | 16.7 | 23.5 | 87 | 62 | 74 | 90 | 68 | 75 | 78 | -3.6 | -0.6 | 17.2 | 19.7 | 0 | 10 | | 0.00 | 0.0 | 29.14 | 339.6 | 71.0 | 0.6 | 2.5 | 6.6 |
| 30 | 31.5 | 19.8 | 24.8 | 89 | 68 | 77 | 90 | 70 | 79 | 80 | 0.4 | 1.4 | 19.5 | 21.5 | 0 | 14 | | 0.00 | 0.0 | 29.08 | 296.8 | 231.7 | 1.1 | 2.5 | 6.9 |
| 31 | 27.6 | 20.5 | 22.9 | 82 | 69 | 73 | 85 | 70 | 76 | 77 | -2.5 | -1.5 | 20.6 | 21.4 | 0 | 11 | R, TS | 0.27 | 0.0 | 29.06 | 111.2 | 220.0 | 2.5 | 2.9 | 8.5 |
| Avg/Sum | 31.2 | 19.6 | 24.7 | 88.2 | 67.3 | 76.5 | 89.5 | 69.9 | 78.1 | 79.7 | -0.4 | 1.2 | 19.7 | 21.4 | 0.0 | 407.0 | R, TS | 5.17 | 0.0 | 29.12 | 275.8 | | 1.5 | 2.7 | 7.3 |
| Max | 34.4 | 22.3 | 27.7 | 93.9 | 72.1 | 81.9 | 95.0 | 76.0 | 83.0 | 84.0 | 4.8 | 5.8 | 22.0 | 23.7 | 0.0 | 18.0 | | 2.25 | 0.0 | 29.31 | 342.0 | | 3.1 | 4.6 | 14.1 |
| Min | 26.7 | 15.3 | 21.6 | 80.1 | 59.5 | 71.0 | 80.0 | 62.0 | 72.0 | 74.0 | -6.6 | -4.6 | 16.1 | 18.5 | 0.0 | 7.0 | | 0.00 | 0.0 | 28.86 | 111.2 | | 0.2 | 1.7 | 4.9 |