

| 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 | Direction | 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 | | | | | | | | | | deg | mph | mph | mph |
| 01 | 9.3 | 0.2 | 3.5 | 49 | 32 | 38 | 50 | 34 | 41 | 42 | -13.0 | -12.0 | -1.3 | 0.2 | 24 | 0 | | 0.00 | 0.0 | 29.45 | 157.8 | 33.1 | 1.7 | 3.2 | 17.6 |
| 02 | 14.3 | -2.2 | 4.4 | 58 | 28 | 40 | 59 | 32 | 43 | 46 | -11.2 | -8.2 | -1.1 | 0.9 | 22 | 0 | | 0.00 | 0.0 | 29.37 | 193.8 | 233.2 | 1.8 | 3.2 | 25.7 |
| 03 | 13.9 | -1.7 | 4.8 | 57 | 29 | 41 | 58 | 30 | 44 | 44 | -9.3 | -9.3 | -0.7 | 1.6 | 21 | 0 | | 0.00 | 0.0 | 29.39 | 195.3 | 72.1 | 0.9 | 1.8 | 10.2 |
| 04 | 13.0 | -1.0 | 5.3 | 55 | 30 | 41 | 58 | 32 | 43 | 45 | -10.0 | -8.0 | 2.3 | 3.9 | 22 | 0 | | 0.00 | 0.0 | 29.36 | 113.4 | 228.9 | 0.7 | 1.6 | 12.1 |
| 05 | 18.5 | 3.2 | 9.4 | 65 | 38 | 49 | 66 | 40 | 52 | 53 | -0.6 | 0.4 | 5.4 | 7.1 | 13 | 0 | | 0.00 | 0.0 | 29.40 | 146.2 | 200.0 | 0.5 | 2.1 | 18.3 |
| 06 | 19.6 | 1.6 | 9.4 | 67 | 35 | 49 | 69 | 39 | 51 | 54 | -1.3 | 1.7 | 3.9 | 6.5 | 14 | 0 | | 0.00 | 0.0 | 29.48 | 183.5 | 73.9 | 1.3 | 2.1 | 13.9 |
| 07 | 12.8 | 6.1 | 10.0 | 55 | 43 | 50 | 57 | 45 | 49 | 51 | -2.9 | -0.9 | 9.0 | 9.4 | 16 | 0 | R | 0.34 | 0.0 | 29.35 | 19.1 | 260.5 | 0.6 | 1.9 | 13.3 |
| 08 | 7.9 | -2.2 | 3.3 | 46 | 28 | 38 | 46 | 30 | 37 | 38 | -14.6 | -13.6 | -2.5 | -1.0 | 28 | 0 | | 0.00 | 0.0 | 29.44 | 185.6 | 44.2 | 3.5 | 3.8 | 19.1 |
| 09 | 11.7 | -3.5 | 2.9 | 53 | 26 | 37 | 53 | 29 | 40 | 41 | -11.2 | -10.2 | -2.1 | -0.2 | 25 | 0 | | 0.00 | 0.0 | 29.36 | 180.3 | 225.8 | 1.9 | 2.6 | 18.7 |
| 10 | 17.9 | -0.7 | 7.4 | 64 | 31 | 45 | 65 | 34 | 48 | 50 | -3.4 | -1.4 | 1.7 | 4.2 | 17 | 0 | | 0.00 | 0.0 | 29.30 | 174.5 | 222.6 | 2.2 | 2.5 | 16.9 |
| 11 | 17.8 | 2.2 | 9.9 | 64 | 36 | 50 | 65 | 41 | 50 | 53 | -0.5 | 2.5 | 5.7 | 7.7 | 15 | 0 | R | 0.10 | 0.0 | 29.21 | 134.2 | 228.3 | 3.0 | 3.3 | 24.0 |
| 12 | 7.8 | -5.8 | -0.5 | 46 | 22 | 31 | 51 | 22 | 34 | 37 | -16.7 | -13.7 | -3.5 | -2.7 | 31 | 0 | R, S | 0.50 | 0.6 | 29.39 | 34.6 | 348.7 | 2.5 | 3.5 | 19.4 |
| 13 | 5.6 | -6.7 | -2.2 | 42 | 20 | 28 | 42 | 21 | 31 | 32 | -19.3 | -18.3 | -7.0 | -5.4 | 34 | 0 | | 0.00 | 0.0 | 29.45 | 152.5 | 63.0 | 1.5 | 3.1 | 16.0 |
| 14 | 9.8 | -3.7 | 2.0 | 50 | 25 | 36 | 50 | 27 | 38 | 39 | -11.9 | -10.9 | -2.4 | -0.6 | 27 | 0 | | 0.00 | 0.0 | 29.43 | 125.2 | 255.3 | 0.2 | 1.8 | 12.4 |
| 15 | 13.2 | 2.3 | 6.8 | 56 | 36 | 44 | 56 | 38 | 46 | 47 | -3.1 | -2.1 | -1.1 | 1.2 | 19 | 0 | | 0.00 | 0.0 | 29.36 | 142.6 | 49.9 | 3.6 | 3.8 | 19.7 |
| 16 | 14.3 | -2.0 | 5.4 | 58 | 28 | 42 | 57 | 31 | 43 | 44 | -5.7 | -4.7 | -2.1 | 0.5 | 22 | 0 | | 0.00 | 0.0 | 29.28 | 172.0 | 66.4 | 3.4 | 3.7 | 20.6 |
| 17 | 16.2 | -2.7 | 5.6 | 61 | 27 | 42 | 62 | 31 | 44 | 47 | -4.9 | -1.9 | 0.4 | 2.8 | 21 | 0 | | 0.00 | 0.0 | 29.15 | 156.2 | 208.8 | 0.7 | 1.9 | 13.6 |
| 18 | 15.1 | 2.4 | 8.0 | 59 | 36 | 46 | 60 | 38 | 48 | 49 | 0.0 | 1.0 | 1.3 | 4.0 | 17 | 0 | | 0.00 | 0.0 | 28.96 | 155.1 | 237.3 | 3.5 | 3.9 | 17.2 |
| 19 | 10.3 | 2.2 | 6.1 | 51 | 36 | 43 | 51 | 38 | 44 | 45 | -4.2 | -3.2 | 2.4 | 3.8 | 21 | 0 | | 0.00 | 0.0 | 29.03 | 48.6 | 239.3 | 1.3 | 2.0 | 10.1 |
| 20 | 14.3 | 1.4 | 7.5 | 58 | 35 | 46 | 58 | 37 | 47 | 48 | -0.8 | 0.2 | 2.5 | 4.9 | 18 | 0 | | 0.00 | 0.0 | 29.32 | 158.3 | 125.2 | 0.3 | 2.4 | 12.8 |
| 21 | 17.0 | 2.5 | 9.6 | 63 | 37 | 49 | 63 | 39 | 50 | 51 | 3.0 | 4.0 | 4.2 | 6.3 | 15 | 0 | | 0.00 | 0.0 | 29.33 | 104.3 | 229.7 | 2.5 | 3.3 | 16.7 |
| 22 | 13.2 | 9.6 | 11.6 | 56 | 49 | 53 | 57 | 50 | 53 | 54 | 5.9 | 6.9 | 9.5 | 10.0 | 12 | 0 | R | 0.10 | 0.0 | 29.19 | 28.0 | 264.5 | 0.8 | 2.6 | 14.2 |
| 23 | 17.2 | 5.8 | 11.8 | 63 | 42 | 53 | 62 | 43 | 53 | 53 | 6.2 | 6.2 | 10.2 | 10.6 | 12 | 0 | R, TS | 1.80 | 0.0 | 28.95 | 27.0 | 251.5 | 2.6 | 5.2 | 27.9 |
| 24 | 8.9 | -0.4 | 4.7 | 48 | 31 | 41 | 49 | 34 | 40 | 42 | -6.5 | -4.5 | 1.1 | 2.8 | 25 | 0 | | 0.00 | 0.0 | 29.05 | 95.0 | 248.5 | 2.8 | 3.7 | 16.7 |
| 25 | 12.8 | -0.8 | 3.7 | 55 | 31 | 39 | 55 | 31 | 43 | 43 | -2.6 | -2.6 | 1.4 | 2.9 | 22 | 0 | | 0.00 | 0.0 | 29.07 | 108.8 | 94.1 | 0.2 | 1.5 | 8.1 |
| 26 | 13.4 | -0.8 | 6.0 | 56 | 31 | 43 | 57 | 31 | 44 | 44 | -1.3 | -1.3 | 3.3 | 4.6 | 21 | 0 | | 0.00 | 0.0 | 29.13 | 83.7 | 52.9 | 1.1 | 1.6 | 7.4 |
| 27 | 19.2 | 6.1 | 12.1 | 67 | 43 | 54 | 67 | 41 | 55 | 54 | 10.0 | 9.0 | 4.5 | 6.4 | 10 | 0 | R | 0.78 | 0.0 | 29.15 | 117.5 | 246.0 | 3.9 | 4.8 | 31.1 |
| 28 | 12.1 | -1.1 | 5.9 | 54 | 30 | 43 | 55 | 34 | 42 | 45 | -2.8 | -0.2 | -0.4 | 1.9 | 23 | 0 | | 0.00 | 0.0 | 29.48 | 142.4 | 76.8 | 1.7 | 3.0 | 12.7 |
| 29 | 12.2 | 6.1 | 9.1 | 54 | 43 | 48 | 56 | 44 | 49 | 50 | 4.7 | 5.7 | 1.9 | 4.0 | 16 | 0 | | 0.00 | 0.0 | 29.38 | 59.2 | 70.3 | 0.8 | 2.2 | 10.4 |
| 30 | 13.5 | 8.6 | 10.4 | 56 | 47 | 51 | 55 | 47 | 52 | 51 | 8.0 | 7.0 | 8.5 | 9.1 | 13 | 0 | R, TS | 1.63 | 0.0 | 29.07 | 34.2 | 55.2 | 1.5 | 2.5 | 16.2 |
| Avg/Sum | 13.4 | 0.8 | 6.5 | 56.2 | 33.5 | 43.6 | 57.0 | 35.4 | 45.1 | 46.3 | -4.0 | -2.7 | 1.8 | 3.6 | 596.0 | 0.0 | R, S, TS | 5.25 | 0.6 | 29.28 | 121.0 | | 1.8 | 2.8 | 16.4 |
| Max | 19.6 | 9.6 | 12.1 | 67.3 | 49.3 | 53.7 | 69.0 | 50.0 | 55.0 | 54.0 | 10.0 | 9.0 | 10.2 | 10.6 | 34.0 | 0.0 | | 1.80 | 0.6 | 29.48 | 195.3 | | 3.9 | 5.2 | 31.1 |
| Min | 5.6 | -6.7 | -2.2 | 42.1 | 19.9 | 28.0 | 42.0 | 21.0 | 31.0 | 32.0 | -19.3 | -18.3 | -7.0 | -5.4 | 10.0 | 0.0 | | 0.00 | 0.0 | 28.95 | 19.1 | | 0.2 | 1.5 | 7.4 |