

May 2016

Weather data collected at the KSU Northwest Research-Extension Center, Colby, Kansas.

| Day | Air Temperature, F | | | | Soil Temperature, F | | | Water Temperature, F | | | Evap. in. | Wind mi/d | Solar Rad., ly | Precip. in. | Snow in. | Depth in. | Air Temp Spread, F | GDU | HDU |
|--------|--------------------|------|------|-------|---------------------|------|------|----------------------|------|------|--------------|--------------|-------------------|----------------|-------------|--------------|-----------------------|-------|-------|
| | Max | Min | 8:00 | Wet-B | Max | Min | Avg | Max | Min | 8:00 | | | | | | | | | |
| 1 | 44 | 33 | 36 | 36 | 48 | 44 | 46 | 54 | 38 | 41 | 0.10 | 173 | 275 | 0.02 | 0 | 0 | 11 | | 26.5 |
| 2 | 51 | 32 | 38 | 36 | 48 | 45 | 47 | 53 | 40 | 44 | 0.05 | 76 | 204 | 0.01 | 0 | 0 | 19 | 0.5 | 23.5 |
| 3 | 64 | 37 | 45 | 44 | 55 | 45 | 48 | 76 | 44 | 52 | 0.24 | 60 | 678 | 0.01 | 0 | 0 | 27 | 7.0 | 14.5 |
| 4 | 67 | 41 | 49 | 45 | 58 | 50 | 54 | 77 | 50 | 50 | 0.23 | 74 | 632 | 0.00 | 0 | 0 | 26 | 8.5 | 11.0 |
| 5 | 78 | 43 | 52 | 50 | 61 | 51 | 56 | 81 | 50 | 53 | 0.26 | 50 | 685 | 0.00 | 0 | 0 | 35 | 14.0 | 4.5 |
| 6 | 82 | 51 | 60 | 53 | 63 | 54 | 59 | 81 | 52 | 53 | 0.40 | 130 | 652 | 0.00 | 0 | 0 | 31 | 16.5 | -1.5 |
| 7 | 89 | 54 | 58 | 55 | 63 | 57 | 60 | 81 | 53 | 55 | 0.46 | 177 | 627 | 0.00 | 0 | 0 | 35 | 20.0 | -6.5 |
| 8 | 80 | 45 | 48 | 48 | 64 | 59 | 62 | 77 | 51 | 51 | 0.26 | 81 | 493 | 0.00 | 0 | 0 | 35 | 15.0 | 2.5 |
| 9 | 74 | 38 | 46 | 45 | 66 | 58 | 62 | 82 | 48 | 48 | 0.25 | 69 | 586 | 0.02 | 0 | 0 | 36 | 12.0 | 9.0 |
| 10 | 72 | 45 | 54 | 51 | 66 | 57 | 62 | 82 | 48 | 54 | 0.24 | 52 | 628 | 0.00 | 0 | 0 | 27 | 11.0 | 6.5 |
| 11 | 82 | 44 | 48 | 48 | 66 | 59 | 63 | 80 | 49 | 50 | 0.29 | 110 | 496 | 0.25 | 0 | 0 | 38 | 16.0 | 2.0 |
| 12 | 68 | 39 | 49 | 47 | 65 | 58 | 62 | 76 | 49 | 49 | 0.23 | 72 | 603 | 0.00 | 0 | 0 | 29 | 9.0 | 11.5 |
| 13 | 76 | 48 | 57 | 53 | 66 | 58 | 62 | 79 | 49 | 53 | 0.25 | 145 | 632 | 0.00 | 0 | 0 | 28 | 13.0 | 3.0 |
| 14 | 72 | 38 | 41 | 38 | 65 | 60 | 63 | 74 | 45 | 46 | 0.37 | 133 | 696 | 0.00 | 0 | 0 | 34 | 11.0 | 10.0 |
| 15 | 55 | 40 | 47 | 43 | 61 | 57 | 59 | 66 | 45 | 50 | 0.16 | 33 | 381 | 0.00 | 0 | 0 | 15 | 2.5 | 17.5 |
| 16 | 53 | 41 | 43 | 43 | 59 | 56 | 58 | 52 | 45 | 45 | 0.12 | 136 | 139 | 0.21 | 0 | 0 | 12 | 1.5 | 18.0 |
| 17 | 48 | 42 | 43 | 43 | 56 | 53 | 55 | 50 | 45 | 46 | 0.00 | 97 | 102 | 0.22 | 0 | 0 | 6 | | 20.0 |
| 18 | 62 | 36 | 43 | 42 | 59 | 52 | 56 | 68 | 46 | 48 | 0.14 | 36 | 439 | 0.04 | 0 | 0 | 26 | 6.0 | 16.0 |
| 19 | 64 | 42 | 51 | 48 | 59 | 53 | 56 | 66 | 48 | 50 | 0.21 | 94 | 447 | 0.00 | 0 | 0 | 22 | 7.0 | 12.0 |
| 20 | 67 | 47 | 51 | 51 | 61 | 55 | 58 | 71 | 50 | 52 | 0.26 | 175 | 536 | T | 0 | 0 | 20 | 8.5 | 8.0 |
| 21 | 69 | 49 | 57 | 56 | 61 | 56 | 59 | 73 | 52 | 57 | 0.15 | 168 | 413 | 0.00 | 0 | 0 | 20 | 9.5 | 6.0 |
| 22 | 76 | 45 | 69 | 66 | 63 | 59 | 61 | 75 | 57 | 66 | 0.13 | 209 | 305 | T | 0 | 0 | 31 | 13.0 | 4.5 |
| 23 | 90 | 54 | 57 | 54 | 67 | 61 | 64 | 84 | 60 | 60 | 0.43 | 242 | 591 | T | 0 | 0 | 36 | 20.0 | -7.0 |
| 24 | 78 | 53 | 56 | 56 | 71 | 63 | 67 | 88 | 59 | 59 | 0.35 | 58 | 700 | 0.20 | 0 | 0 | 25 | 15.5 | -0.5 |
| 25 | 79 | 56 | 60 | 57 | 70 | 63 | 67 | 82 | 59 | 61 | 0.30 | 122 | 554 | 0.00 | 0 | 0 | 23 | 17.5 | -2.5 |
| 26 | 81 | 49 | 59 | 54 | 73 | 65 | 69 | 91 | 58 | 58 | 0.35 | 41 | 584 | 0.00 | 0 | 0 | 32 | 15.5 | 0.0 |
| 27 | 78 | 49 | 53 | 53 | 69 | 65 | 67 | 78 | 56 | 56 | 0.27 | 92 | 414 | T | 0 | 0 | 29 | 14.0 | 1.5 |
| 28 | 68 | 47 | 54 | 52 | 66 | 63 | 65 | 71 | 52 | 52 | M | 66 | 278 | 0.05 | 0 | 0 | 21 | 9.0 | 7.5 |
| 29 | 79 | 46 | 63 | 57 | 71 | 60 | 66 | 87 | 52 | 59 | 0.17 | 31 | 710 | 0.00 | 0 | 0 | 33 | 14.5 | 2.5 |
| 30 | 86 | 52 | 61 | 58 | 71 | 63 | 67 | 85 | 56 | 57 | 0.35 | 111 | 518 | 0.49 | 0 | 0 | 34 | 19.0 | -4.0 |
| 31 | 85 | 52 | 55 | 54 | 72 | 63 | 68 | 85 | 57 | 57 | 0.52 | 93 | 680 | 0.10 | 0 | 0 | 33 | 18.5 | -3.5 |
| Totals | 2217 | 1388 | 1603 | 1536 | 1963 | 1762 | 1868 | 2325 | 1563 | 1632 | 7.54 | 3206 | 15678 | 1.62 | 0 | | 829 | 345.0 | 212.5 |
| Avg. | 72 | 45 | 52 | 50 | 63 | 57 | 60 | 75 | 50 | 53 | 0.25 | 103 | 506 | | | | 27 | 11.9 | 6.9 |
| Max | 90 | 56 | 69 | 66 | 73 | 65 | 69 | 91 | 60 | 66 | 0.52 | 242 | 710 | 0.49 | | | 38 | 20.0 | 26.5 |
| Min | 44 | 32 | 36 | 36 | 48 | 44 | 46 | 50 | 38 | 41 | M | 31 | 102 | 0.00 | | | 6 | 0.5 | -7.0 |

Note: Values for solar radiation and soil temperature are for preceding calendar day. All other values are 8:00 am to 8:00 am.