

## December 2016

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

| Day    | Air Temperature, F |     |      | Soil Temperature, F |      |      | Solar    | Precip. | Snow | Depth | Air Temp  | GDU  | HDU    |
|--------|--------------------|-----|------|---------------------|------|------|----------|---------|------|-------|-----------|------|--------|
|        | Max                | Min | 8:00 | Max                 | Min  | Avg  | Rad., ly | in.     | in.  | in.   | Spread, F |      |        |
| 1      | 46                 | 12  | 14   | 40                  | 38   | 39   | 256      | 0.00    | 0    | 0     | 34        |      | 36.0   |
| 2      | 48                 | 11  | 13   | 38                  | 36   | 37   | 212      | 0.00    | 0    | 0     | 37        |      | 35.5   |
| 3      | 46                 | 13  | 29   | 38                  | 35   | 37   | 182      | 0.00    | 0    | 0     | 33        |      | 35.5   |
| 4      | 37                 | 16  | 20   | 39                  | 38   | 39   | 50       | 0.00    | 0    | 0     | 21        |      | 38.5   |
| 5      | 51                 | 20  | 24   | 38                  | 36   | 37   | 249      | T       | 0    | 0     | 31        | 0.5  | 29.5   |
| 6      | 60                 | 10  | 10   | 39                  | 37   | 38   | 229      | 0.00    | 0    | 0     | 50        | 5.0  | 30.0   |
| 7      | 38                 | 10  | 13   | 39                  | 36   | 38   | 243      | 0.04    | 0.4  | 1     | 28        |      | 41.0   |
| 8      | 18                 | -5  | -1   | 36                  | 34   | 35   | 149      | 0.02    | 0.6  | 1     | 23        |      | 58.5   |
| 9      | 19                 | -2  | 13   | 34                  | 32   | 33   | 252      | 0.00    | 0    | 1     | 21        |      | 56.5   |
| 10     | 38                 | 12  | 13   | 33                  | 32   | 33   | 233      | 0.00    | 0    | 0     | 26        |      | 40.0   |
| 11     | 35                 | 13  | 27   | 34                  | 32   | 33   | 133      | 0.00    | 0    | 0     | 22        |      | 41.0   |
| 12     | 38                 | 9   | 20   | 34                  | 33   | 34   | 143      | 0.00    | 0    | 0     | 29        |      | 41.5   |
| 13     | 41                 | 5   | 5    | 34                  | 33   | 34   | 162      | 0.00    | 0    | 0     | 36        |      | 42.0   |
| 14     | 30                 | 4   | 13   | 33                  | 31   | 32   | 232      | 0.00    | 0    | 0     | 26        |      | 48.0   |
| 15     | 27                 | 10  | 14   | 31                  | 29   | 30   | 131      | 0.00    | 0    | 0     | 17        |      | 46.5   |
| 16     | 30                 | 14  | 20   | 30                  | 29   | 30   | 145      | 0.00    | 0    | 0     | 16        |      | 43.0   |
| 17     | 26                 | 1   | 1    | 31                  | 30   | 31   | 35       | 0.02    | 1    | 1     | 25        |      | 51.5   |
| 18     | 2                  | -19 | -10  | 30                  | 28   | 29   | 77       | 0.00    | 0    | 1     | 21        |      | 73.5   |
| 19     | 25                 | -10 | 0    | 28                  | 28   | 28   | 239      | 0.00    | 0    | 1     | 35        |      | 57.5   |
| 20     | 41                 | -1  | 27   | 29                  | 28   | 29   | 243      | 0.00    | 0    | 1     | 42        |      | 45.0   |
| 21     | 49                 | 25  | 30   | 31                  | 29   | 30   | 232      | 0.00    | 0    | 0     | 24        |      | 28.0   |
| 22     | 49                 | 18  | 22   | 32                  | 31   | 32   | 186      | 0.00    | 0    | 0     | 31        |      | 31.5   |
| 23     | 42                 | 22  | 30   | 32                  | 31   | 32   | 113      | 0.02    | 0.1  | 0     | 20        |      | 33.0   |
| 24     | 54                 | 7   | 22   | 33                  | 32   | 33   | 206      | 0.03    | 0    | 0     | 47        | 2.0  | 34.5   |
| 25     | 52                 | 13  | 27   | 32                  | 31   | 32   | 234      | 0.26    | 0    | 0     | 39        | 1.0  | 32.5   |
| 26     | 52                 | 12  | 13   | 35                  | 32   | 34   | 152      | 0.03    | 0    | 0     | 40        | 1.0  | 33.0   |
| 27     | 43                 | 12  | 16   | 34                  | 32   | 33   | 230      | 0.00    | 0    | 0     | 31        |      | 37.5   |
| 28     | 49                 | 15  | 33   | 32                  | 32   | 32   | 240      | 0.00    | 0    | 0     | 34        |      | 33.0   |
| 29     | 49                 | 15  | 18   | 32                  | 32   | 32   | 105      | 0.00    | 0    | 0     | 34        |      | 33.0   |
| 30     | 44                 | 17  | 20   | 32                  | 32   | 32   | 244      | 0.00    | 0    | 0     | 27        |      | 34.5   |
| 31     | 67                 | 15  | 18   | 32                  | 31   | 32   | 247      | 0.00    | 0    | 0     | 52        | 8.5  | 24.0   |
| Totals | 1246               | 294 | 514  | 1045                | 1000 | 1030 | 5784     | 0.42    | 2.1  |       | 952       | 18.0 | 1245.0 |
| Avg.   | 40                 | 9   | 17   | 34                  | 32   | 33   | 187      |         |      |       | 31        | 3.0  | 40.2   |
| Max    | 67                 | 25  | 33   | 40                  | 38   | 39   | 256      | 0.26    |      |       | 52        | 8.5  | 73.5   |
| Min    | 2                  | -19 | -10  | 28                  | 28   | 28   | 35       | 0.00    |      |       | 16        | 0.5  | 24.0   |

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