

# May 2011

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

| Day    | Air Temperature, F |      |      |       | Soil Temperature, F |      |      | Water Temperature, F |      |      | Evap. | Wind | Solar    | Precip. | Snow | Depth | Air Temp  | GDU   | HDU   |
|--------|--------------------|------|------|-------|---------------------|------|------|----------------------|------|------|-------|------|----------|---------|------|-------|-----------|-------|-------|
|        | Max                | Min  | 8:00 | Wet-B | Max                 | Min  | Avg  | Max                  | Min  | 8:00 | in.   | mi/d | Rad., ly | in.     | in.  | in.   | Spread, F |       |       |
| 1      | 59                 | 33   | 35   | 35    | 58                  | 50   | 54   | 60                   | 35   | 35   | 0.34  | 166  | 730      | 0.00    |      |       | 26        | 4.5   | 19.0  |
| 2      | 60                 | 35   | 37   | 36    | 58                  | 48   | 43   | 67                   | 36   | 40   | 0.39  | 68   | 566      | 0.00    |      |       | 25        | 5.0   | 17.5  |
| 3      | 59                 | 32   | 39   | 38    | 59                  | 50   | 54   | 68                   | 39   | 40   | 0.18  | 74   | 630      | 0.00    |      |       | 27        | 4.5   | 19.5  |
| 4      | 74                 | 39   | 45   | 40    | 63                  | 50   | 57   | 77                   | 39   | 42   | 0.39  | 90   | 727      | 0.00    |      |       | 35        | 12.0  | 8.5   |
| 5      | 74                 | 35   | 40   | 39    | 62                  | 54   | 58   | 72                   | 38   | 38   | 0.38  | 140  | 607      | 0.00    |      |       | 39        | 12.0  | 10.5  |
| 6      | 69                 | 40   | 53   | 43    | 63                  | 53   | 58   | 73                   | 42   | 43   | 0.32  | 107  | 699      | 0.00    |      |       | 29        | 9.5   | 10.5  |
| 7      | 86                 | 44   | 55   | 47    | 65                  | 54   | 50   | 78                   | 44   | 50   | 0.34  | 82   | 623      | 0.00    |      |       | 42        | 18.0  | 0.0   |
| 8      | 85                 | 49   | 56   | 53    | 69                  | 57   | 63   | 82                   | 48   | 53   | 0.45  | 186  | 722      | 0.00    |      |       | 36        | 17.5  | -2.0  |
| 9      | 97                 | 51   | 61   | 46    | 72                  | 60   | 66   | 83                   | 47   | 47   | 0.67  | 110  | 746      | 0.00    |      |       | 46        | 18.5  | -9.0  |
| 10     | 94                 | 43   | 51   | 47    | 71                  | 61   | 66   | 79                   | 47   | 47   | 0.65  | 171  | 722      | 0.00    |      |       | 51        | 18.0  | -3.5  |
| 11     | 86                 | 51   | 62   | 61    | 72                  | 61   | 67   | 82                   | 48   | 60   | 0.41  | 113  | 734      | 0.00    |      |       | 35        | 18.5  | -3.5  |
| 12     | 72                 | 47   | 48   | 47    | 69                  | 63   | 66   | 74                   | 50   | 50   | 0.23  | 163  | 409      | 0.12    |      |       | 25        | 11.0  | 5.5   |
| 13     | 53                 | 41   | 44   | 43    | 64                  | 56   | 60   | 56                   | 42   | 42   | 0.07  | 244  | 227      | 0.09    |      |       | 12        | 1.5   | 18.0  |
| 14     | 62                 | 33   | 46   | 43    | 61                  | 54   | 58   | 68                   | 42   | 42   | 0.26  | 138  | 601      | 0.00    |      |       | 29        | 6.0   | 17.5  |
| 15     | 58                 | 39   | 41   | 39    | 59                  | 53   | 56   | 64                   | 41   | 41   | 0.20  | 142  | 529      | 0.00    |      |       | 19        | 4.0   | 16.5  |
| 16     | 57                 | 30   | 40   | 40    | 59                  | 53   | 56   | 65                   | 40   | 41   | 0.26  | 86   | 504      | 0.00    |      |       | 27        | 3.5   | 21.5  |
| 17     | 72                 | 40   | 49   | 44    | 64                  | 52   | 58   | 74                   | 41   | 45   | 0.41  | 143  | 721      | 0.00    |      |       | 32        | 11.0  | 9.0   |
| 18     | 73                 | 47   | 47   | 45    | 62                  | 56   | 59   | 68                   | 44   | 48   | 0.39  | 208  | 512      | 0.00    |      |       | 26        | 11.5  | 5.0   |
| 19     | 51                 | 46   | 49   | 49    | 60                  | 56   | 58   | 53                   | 48   | 48   | 0.04  | 141  | 154      | 0.35    |      |       | 5         | 0.5   | 16.5  |
| 20     | 73                 | 45   | 47   | 46    | 63                  | 54   | 58   | 67                   | 48   | 50   | 0.07  | 98   | 373      | 0.05    |      |       | 28        | 11.5  | 6.0   |
| 21     | 72                 | 45   | 56   | 53    | 68                  | 55   | 62   | 80                   | 48   | 52   | 0.27  | 69   | 668      | T       |      |       | 27        | 11.0  | 6.5   |
| 22     | 79                 | 45   | 57   | 53    | 69                  | 58   | 63   | 79                   | 50   | 51   | 0.30  | 75   | 600      | T       |      |       | 34        | 14.5  | 3.0   |
| 23     | 83                 | 53   | 61   | 55    | 70                  | 58   | 64   | 80                   | 51   | 56   | 0.42  | 111  | 743      | 0.00    |      |       | 30        | 18.0  | -3.0  |
| 24     | 82                 | 52   | 56   | 52    | 73                  | 61   | 67   | 86                   | 52   | 52   | 0.39  | 126  | 634      | 0.67    |      |       | 30        | 17.0  | -2.0  |
| 25     | 72                 | 50   | 52   | 52    | 67                  | 61   | 64   | 65                   | 62   | 63   | 0.44  | 183  | 501      | 1.00    |      |       | 22        | 11.0  | 4.0   |
| 26     | 63                 | 36   | 45   | 44    | 61                  | 56   | 59   | 61                   | 43   | 43   | 0.21  | 146  | 256      | 0.04    |      |       | 27        | 6.5   | 15.5  |
| 27     | 70                 | 45   | 52   | 51    | 63                  | 52   | 58   | 73                   | 44   | 49   | 0.33  | 128  | 653      | 0.00    |      |       | 25        | 10.0  | 7.5   |
| 28     | 74                 | 50   | 56   | 51    | 70                  | 56   | 63   | 81                   | 49   | 52   | 0.29  | 86   | 750      | 0.00    |      |       | 24        | 12.0  | 3.0   |
| 29     | 74                 | 54   | 56   | 56    | 69                  | 60   | 64   | 65                   | 52   | 55   | 0.31  | 129  | 529      | 0.00    |      |       | 20        | 14.0  | 1.0   |
| 30     | 86                 | 49   | 76   | 65    | 73                  | 62   | 68   | 84                   | 55   | 63   | 0.45  | 203  | 596      | 0.00    |      |       | 37        | 18.0  | -2.5  |
| 31     | 98                 | 41   | 52   | 47    | 76                  | 67   | 72   | 79                   | 45   | 46   | 0.90  | 226  | 745      | 0.00    |      |       | 57        | 18.0  | -4.5  |
| Totals | 2267               | 1340 | 1564 | 1460  | 2032                | 1741 | 1869 | 2243                 | 1410 | 1484 | 10.76 | 4152 | 18211    | 2.32    | 0    |       | 927       | 348.5 | 211.5 |
| Avg.   | 73                 | 43   | 50   | 47    | 66                  | 56   | 60   | 72                   | 45   | 48   | 0.35  | 134  | 587      |         |      |       | 30        | 11.2  | 6.8   |
| Max    | 98                 | 54   | 76   | 65    | 76                  | 67   | 72   | 86                   | 62   | 63   | 0.90  | 244  | 750      | 1       |      |       | 57        | 18.5  | 21.5  |
| Min    | 51                 | 30   | 35   | 35    | 58                  | 48   | 43   | 53                   | 35   | 35   | 0.04  | 68   | 154      | 0.00    |      |       | 5         | 0.5   | -9.0  |

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