

## May 2008

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

| Day    | Air Temperature, F |      |      |       | Soil Temperature, F |      |      | Water Temperature, F |      |      | Evap.<br>in. | Wind<br>mi/d | Solar<br>Rad., ly | Precip.<br>in. | Snow<br>in. | Depth<br>in. | Air Temp<br>Spread, F | GDU   | HDU |
|--------|--------------------|------|------|-------|---------------------|------|------|----------------------|------|------|--------------|--------------|-------------------|----------------|-------------|--------------|-----------------------|-------|-----|
|        | Max                | Min  | 8:00 | Wet-B | Max                 | Min  | Avg  | Max                  | Min  | 8:00 |              |              |                   |                |             |              |                       |       |     |
| 1      | 86                 | 40   | 47   | 43    | 72                  | 53   | 62   | 80                   | 44   | 46   | 0.45         | 133          | 519               | 0.00           |             | 46           | 18.0                  | 2.0   |     |
| 2      | 63                 | 37   | 37   | 37    | 66                  | 57   | 61   | 68                   | 37   | 37   | 0.30         | 233          | 398               | T              |             | 26           | 6.5                   | 15.0  |     |
| 3      | 42                 | 26   | 32   | 30    | 57                  | 47   | 52   | 42                   | 32   | 32   | 0.02         | 278          | 196               | 0.02           | 1           | 16           |                       | 31.0  |     |
| 4      | 59                 | 29   | 46   | 39    | 62                  | 44   | 53   | 68                   | 30   | 40   | 0.07         | 50           | 540               | 0.00           |             | 30           | 4.5                   | 21.0  |     |
| 5      | 77                 | 41   | 52   | 48    | 68                  | 46   | 57   | 78                   | 39   | 49   | 0.28         | 45           | 511               | 0.00           |             | 36           | 13.5                  | 6.0   |     |
| 6      | 76                 | 46   | 53   | 52    | 69                  | 54   | 62   | 78                   | 49   | 51   | 0.30         | 113          | 470               | 0.00           |             | 30           | 13.0                  | 4.0   |     |
| 7      | 85                 | 51   | 52   | 52    | 72                  | 56   | 64   | 84                   | 51   | 54   | 0.35         | 129          | 470               | T              |             | 34           | 18.0                  | -3.0  |     |
| 8      | 70                 | 40   | 47   | 47    | 70                  | 59   | 65   | 75                   | 46   | 46   | 0.25         | 221          | 380               | 0.00           |             | 30           | 10.0                  | 10.0  |     |
| 9      | 64                 | 41   | 44   | 44    | 63                  | 56   | 60   | 64                   | 44   | 54   | 0.12         | 85           | 184               | 0.18           |             | 23           | 7.0                   | 12.5  |     |
| 10     | 70                 | 44   | 49   | 48    | 70                  | 52   | 61   | 77                   | 45   | 51   | 0.25         | 138          | 496               | T              |             | 26           | 10.0                  | 8.0   |     |
| 11     | 61                 | 26   | 34   | 32    | 62                  | 53   | 57   | 62                   | 36   | 36   | 0.26         | 179          | 335               | T              |             | 35           | 5.5                   | 21.5  |     |
| 12     | 74                 | 34   | 49   | 44    | 66                  | 47   | 57   | 71                   | 36   | 54   | 0.40         | 172          | 538               | 0.00           |             | 40           | 12.0                  | 11.0  |     |
| 13     | 93                 | 49   | 49   | 46    | 72                  | 54   | 63   | 79                   | 62   | 49   | 0.59         | 194          | 513               | 0.00           |             | 44           | 18.0                  | -6.0  |     |
| 14     | 65                 | 31   | 42   | 41    | 69                  | 59   | 64   | 63                   | 43   | 44   | 0.23         | 89           | 400               | 0.00           |             | 34           | 7.5                   | 17.0  |     |
| 15     | 73                 | 43   | 48   | 48    | 71                  | 54   | 62   | 78                   | 43   | 48   | 0.30         | 102          | 470               | 0.15           |             | 30           | 11.5                  | 7.0   |     |
| 16     | 64                 | 38   | 45   | 43    | 65                  | 56   | 61   | 68                   | 43   | 44   | 0.27         | 102          | 367               | 0.04           |             | 26           | 7.0                   | 14.0  |     |
| 17     | 75                 | 45   | 55   | 50    | 70                  | 53   | 62   | 74                   | 44   | 50   | 0.27         | 82           | 479               | 0.00           |             | 30           | 12.5                  | 5.0   |     |
| 18     | 81                 | 42   | 55   | 49    | 74                  | 58   | 66   | 79                   | 49   | 50   | 0.45         | 110          | 546               | 0.00           |             | 39           | 15.5                  | 3.5   |     |
| 19     | 92                 | 51   | 63   | 54    | 77                  | 58   | 68   | 84                   | 49   | 53   | 0.49         | 77           | 537               | 0.00           |             | 41           | 18.5                  | -6.5  |     |
| 20     | 89                 | 52   | 57   | 53    | 79                  | 62   | 71   | 85                   | 52   | 59   | 0.42         | 71           | 499               | 0.07           |             | 37           | 19.0                  | -5.5  |     |
| 21     | 81                 | 51   | 56   | 51    | 78                  | 65   | 72   | 82                   | 50   | 51   | 0.42         | 113          | 480               | 0.00           |             | 30           | 16.0                  | -1.0  |     |
| 22     | 83                 | 61   | 63   | 62    | 73                  | 63   | 68   | 74                   | 50   | 60   | 0.45         | 262          | 424               | 0.00           |             | 22           | 22.0                  | -7.0  |     |
| 23     | 74                 | 51   | 61   | 61    | 68                  | 61   | 64   | 68                   | 54   | 56   | 0.32         | 143          | 148               | 1.08           |             | 23           | 12.5                  | 2.5   |     |
| 24     | 65                 | 49   | 51   | 50    | 62                  | 58   | 60   | 62                   | 52   | 52   | 0.29         | 123          | 82                | 1.61           |             | 16           | 7.5                   | 8.0   |     |
| 25     | 80                 | 46   | 55   | 52    | 68                  | 56   | 62   | 78                   | 52   | 52   | 0.38         | 121          | 562               | 0.00           |             | 34           | 15.0                  | 2.0   |     |
| 26     | 81                 | 55   | 58   | 55    | 78                  | 55   | 66   | 84                   | 52   | 58   | 0.32         | 88           | 539               | 0.00           |             | 26           | 18.0                  | -3.0  |     |
| 27     | 65                 | 44   | 44   | 44    | 67                  | 61   | 64   | 65                   | 48   | 48   | 0.18         | 163          | 174               | 0.12           |             | 21           | 7.5                   | 10.5  |     |
| 28     | 52                 | 43   | 45   | 45    | 61                  | 55   | 58   | 54                   | 47   | 47   | 0.06         | 103          | 121               | 0.03           |             | 9            | 1.0                   | 17.5  |     |
| 29     | 67                 | 45   | 66   | 65    | 59                  | 53   | 56   | 61                   | 48   | 61   | 0.03         | 150          | 137               | 0.03           |             | 22           | 8.5                   | 9.0   |     |
| 30     | 94                 | 54   | 61   | 58    | 76                  | 58   | 67   | 85                   | 62   | 62   | 0.42         | 175          | 467               | T              |             | 40           | 20.0                  | -9.0  |     |
| 31     | 84                 | 57   | 58   | 57    | 83                  | 62   | 73   | 87                   | 58   | 58   | 0.34         | 58           | 515               | 0.00           |             | 27           | 20.5                  | -5.5  |     |
| Totals | 2285               | 1362 | 1574 | 1500  | 2147                | 1725 | 1938 | 2257                 | 1447 | 1552 | 9.28         | 4102         | 12497             | 3.33           | 1           | 923          | 376.0                 | 191.5 |     |
| Avg.   | 74                 | 44   | 51   | 48    | 69                  | 56   | 63   | 73                   | 47   | 50   | 0.30         | 132          | 403               |                |             | 30           | 12.5                  | 6.2   |     |
| Max    | 94                 | 61   | 66   | 65    | 83                  | 65   | 73   | 87                   | 62   | 62   | 0.59         | 278          | 562               | 1.61           |             | 46           | 22.0                  | 31.0  |     |
| Min    | 42                 | 26   | 32   | 30    | 57                  | 44   | 52   | 42                   | 30   | 32   | 0.02         | 45           | 82                | 0.00           |             | 9            | 1.0                   | -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 pm.