

Nickels Soils Lab  
Colusa, California  
Daily Meteorological Summary  
Station: Nickels

| Date           | ----- Temperatures ----- |             |           |             |           | -- Canopy Temps -- |           |           | Relative Humidity |          | ----- Wind ----- |            |            | Avg        | Total       | Total                        | Yearly       |           |              |
|----------------|--------------------------|-------------|-----------|-------------|-----------|--------------------|-----------|-----------|-------------------|----------|------------------|------------|------------|------------|-------------|------------------------------|--------------|-----------|--------------|
|                | Max<br>°F                | Time<br>LST | Min<br>°F | Time<br>LST | Avg<br>°F | Max<br>°F          | Min<br>°F | Avg<br>°F | Max<br>%          | Min<br>% | Avg<br>Dir       | Avg<br>MPH | Max<br>Dir | Max<br>MPH | Time<br>LST | Solar<br>Cal/cm <sup>2</sup> | Precip<br>in | ETo<br>in | Precip<br>in |
| 6/ 1/03        | 97.10                    | 15:10       | 62.73     | 04:15       | 79.10     |                    |           |           | 82.10             | 18.73    | WNW              | 1.39       | WSW        | 9.96       | 09:38       | 716.00                       | 0.00         | 0.23      | 19.51        |
| 6/ 2/03        | 99.60                    | 16:25       | 62.25     | 04:51       | 80.50     |                    |           |           | 79.50             | 19.67    | WNW              | 1.78       | N          | 11.13      | 08:50       | 720.00                       | 0.00         | 0.24      | 19.51        |
| 6/ 3/03        | 100.80                   | 16:02       | 63.53     | 23:58       | 82.50     |                    |           |           | 79.80             | 16.43    | WNW              | 1.08       | ESE        | 6.94       | 23:01       | 711.00                       | 0.00         | 0.23      | 19.51        |
| 6/ 4/03        | 94.80                    | 15:24       | 56.07     | 04:52       | 73.90     |                    |           |           | 98.20             | 30.83    | E                | 1.29       | ESE        | 7.61       | 12:40       | 700.00                       | 0.00         | 0.21      | 19.51        |
| 6/ 5/03        | 92.90                    | 15:59       | 57.16     | 04:40       | 72.90     |                    |           |           | 100.00            | 31.38    | ESE              | 1.71       | ESE        | 9.12       | 17:25       | 701.00                       | 0.00         | 0.22      | 19.51        |
| 6/ 6/03        | 87.90                    | 15:57       | 55.11     | 04:43       | 70.30     |                    |           |           | 100.00            | 44.11    | E                | 2.55       | ESE        | 11.97      | 17:25       | 678.80                       | 0.00         | 0.21      | 19.51        |
| 6/ 7/03        | 87.50                    | 15:45       | 55.71     | 04:34       | 70.30     |                    |           |           | 100.00            | 46.68    | E                | 2.49       | SE         | 11.47      | 17:48       | 675.70                       | 0.00         | 0.20      | 19.51        |
| 6/ 8/03        | 87.90                    | 14:47       | 56.31     | 04:33       | 71.00     |                    |           |           | 97.50             | 44.72    | ESE              | 2.90       | ENE        | 12.81      | 13:08       | 696.50                       | 0.00         | 0.21      | 19.51        |
| 6/ 9/03        | 87.50                    | 15:01       | 53.53     | 03:37       | 67.82     |                    |           |           | 100.00            | 43.30    | E                | 2.04       | ESE        | 11.97      | 15:52       | 676.40                       | 0.00         | 0.20      | 19.51        |
| 6/10/03        | 77.70                    | 15:29       | 53.54     | 04:34       | 64.69     |                    |           |           | 100.00            | 47.72    | E                | 1.77       | ENE        | 10.80      | 16:07       | 589.90                       | 0.00         | 0.17      | 19.51        |
| 6/11/03        | 81.20                    | 14:47       | 51.48     | 04:27       | 65.31     |                    |           |           | 100.00            | 44.40    | ESE              | 2.98       | ENE        | 14.65      | 15:13       | 682.30                       | 0.00         | 0.20      | 19.51        |
| 6/12/03        | 80.00                    | 17:09       | 52.67     | 02:12       | 62.40     |                    |           |           | 100.00            | 49.82    | E                | 2.55       | E          | 12.64      | 15:20       | 397.70                       | 0.00         | 0.11      | 19.51        |
| 6/13/03        | 85.00                    | 16:05       | 49.65     | 04:43       | 67.26     |                    |           |           | 100.00            | 37.62    | ESE              | 2.51       | W          | 11.64      | 20:57       | 721.00                       | 0.00         | 0.21      | 19.51        |
| 6/14/03        | 85.70                    | 15:33       | 51.48     | 05:02       | 69.26     |                    |           |           | 100.00            | 32.47    | E                | 1.55       | E          | 11.13      | 16:50       | 758.00                       | 0.00         | 0.23      | 19.51        |
| 6/15/03        | 95.80                    | 16:02       | 56.42     | 03:06       | 76.10     |                    |           |           | 95.70             | 24.13    | NW               | 1.02       | ENE        | 7.78       | 14:27       | 759.00                       | 0.00         | 0.24      | 19.51        |
| 6/16/03        | 100.20                   | 15:21       | 62.00     | 04:59       | 81.50     |                    |           |           | 94.70             | 22.03    | NNE              | 1.26       | ESE        | 10.46      | 17:43       | 758.00                       | 0.00         | 0.26      | 19.51        |
| 6/17/03        | 94.30                    | 15:53       | 61.39     | 04:40       | 77.80     |                    |           |           | 97.50             | 32.92    | ESE              | 1.91       | E          | 10.80      | 14:17       | 742.00                       | 0.00         | 0.24      | 19.51        |
| 6/18/03        | 87.00                    | 14:49       | 56.55     | 04:19       | 70.60     |                    |           |           | 98.40             | 37.61    | E                | 2.44       | ENE        | 14.65      | 15:40       | 669.80                       | 0.00         | 0.21      | 19.51        |
| 6/19/03        | 85.60                    | 17:22       | 54.26     | 04:40       | 69.01     |                    |           |           | 100.00            | 37.96    | ESE              | 2.43       | E          | 14.65      | 16:28       | 726.00                       | 0.00         | 0.22      | 19.51        |
| 6/20/03        | 85.30                    | 17:21       | 52.91     | 04:55       | 68.95     |                    |           |           | 98.20             | 28.21    | ESE              | 2.34       | E          | 16.16      | 15:13       | 761.00                       | 0.00         | 0.24      | 19.51        |
| 6/21/03        | 82.30                    | 16:09       | 52.20     | 04:13       | 67.11     |                    |           |           | 100.00            | 35.00    | E                | 1.68       | ESE        | 10.46      | 17:42       | 753.00                       | 0.00         | 0.22      | 19.51        |
| 6/22/03        | 84.80                    | 15:55       | 55.85     | 04:23       | 70.90     |                    |           |           | 99.90             | 27.95    | N                | 1.95       | E          | 11.80      | 14:53       | 753.00                       | 0.00         | 0.23      | 19.51        |
| 6/23/03        | 85.70                    | 15:48       | 54.75     | 04:34       | 71.30     |                    |           |           | 99.60             | 21.71    | NW               | 1.66       | E          | 12.98      | 20:12       | 755.00                       | 0.00         | 0.23      | 19.51        |
| 6/24/03        | 90.80                    | 16:13       | 61.27     | 01:09       | 74.60     |                    |           |           | 68.08             | 15.96    | WNW              | 2.60       | WSW        | 12.81      | 07:32       | 786.00                       | 0.00         | 0.26      | 19.51        |
| 6/25/03        | 98.90                    | 16:04       | 58.49     | 03:00       | 78.70     |                    |           |           | 72.90             | 10.61    | WNW              | 1.37       | NW         | 8.78       | 08:53       | 794.00                       | 0.00         | 0.27      | 19.51        |
| 6/26/03        | 102.40                   | 16:16       | 62.35     | 01:24       | 82.00     |                    |           |           | 76.50             | 14.39    | WNW              | 1.27       | ENE        | 7.44       | 10:59       | 782.00                       | 0.00         | 0.26      | 19.51        |
| 6/27/03        | 103.70                   | 15:08       | 63.92     | 03:56       | 86.20     |                    |           |           | 75.20             | 15.15    | WNW              | 2.23       | WSW        | 10.80      | 22:07       | 771.00                       | 0.00         | 0.28      | 19.51        |
| 6/28/03        | 102.20                   | 15:16       | 61.97     | 04:51       | 84.10     |                    |           |           | 82.90             | 12.50    | SW               | 2.22       | W          | 14.15      | 22:15       | 771.00                       | 0.00         | 0.27      | 19.51        |
| 6/29/03        | 96.50                    | 15:06       | 57.51     | 04:21       | 79.70     |                    |           |           | 80.10             | 12.44    | SSW              | 2.48       | SSW        | 10.80      | 18:43       | 800.00                       | 0.00         | 0.29      | 19.51        |
| 6/30/03        | 93.20                    | 14:58       | 58.25     | 04:38       | 73.30     |                    |           |           | 77.40             | 10.75    | SE               | 1.73       | ENE        | 10.97      | 14:12       | 797.00                       | 0.00         | 0.25      | 19.51        |
| Average/Totals | 91.14                    |             | 57.04     |             | 73.64     |                    |           |           | 91.81             | 28.91    |                  | 1.97       |            | 11.31      |             | 720.07                       | 0.00         | 6.81      |              |
| Maximum        | 103.70                   | 6/27        | 63.92     | 6/27        | 86.20     |                    |           |           | 100.00            | 49.82    |                  | 2.98       |            | 16.16      | 6/20        | 800.00                       | 0.00         | 0.29      |              |
| Minimum        | 77.70                    | 6/10        | 49.65     | 6/13        | 62.40     |                    |           |           | 68.08             | 10.61    |                  | 1.02       |            | 6.94       | 6/ 3        | 397.70                       | 0.00         | 0.11      |              |