

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 |
| 8/ 1/2001      | 93.70                    | 15:43       | 58.03     | 04:49       | 76.10     |                    |           |           | 89.60             | 23.16    | E                | 2.11       | ESE        | 13.48      | 15:30       | 679.20                       | 0.00         | 0.23      | 0.00         |
| 8/ 2/2001      | 94.30                    | 16:48       | 54.53     | 04:54       | 73.70     |                    |           |           | 89.50             | 19.92    | E                | 1.84       | ESE        | 14.15      | 14:55       | 677.60                       | 0.00         | 0.22      | 0.00         |
| 8/ 3/2001      | 93.30                    | 16:46       | 53.82     | 05:21       | 73.30     |                    |           |           | 90.30             | 25.06    | ESE              | 3.67       | E          | 16.33      | 14:22       | 668.90                       | 0.00         | 0.23      | 0.00         |
| 8/ 4/2001      | 90.30                    | 16:48       | 56.97     | 05:11       | 73.40     |                    |           |           | 92.00             | 28.72    | ESE              | 3.72       | E          | 16.50      | 14:45       | 654.30                       | 0.00         | 0.22      | 0.00         |
| 8/ 5/2001      | 91.80                    | 15:35       | 56.48     | 05:16       | 73.80     |                    |           |           | 90.20             | 29.18    | E                | 1.60       | E          | 9.12       | 14:49       | 659.00                       | 0.00         | 0.21      | 0.00         |
| 8/ 6/2001      | 97.80                    | 16:27       | 58.03     | 04:39       | 79.60     |                    |           |           | 88.20             | 21.46    | E                | 1.77       | ENE        | 11.47      | 15:11       | 667.50                       | 0.00         | 0.23      | 0.00         |
| 8/ 7/2001      | 103.30                   | 14:25       | 63.48     | 03:57       | 84.00     |                    |           |           | 81.90             | 16.13    | ESE              | 1.41       | ESE        | 9.79       | 17:28       | 637.40                       | 0.00         | 0.23      | 0.00         |
| 8/ 8/2001      | 106.60                   | 16:41       | 67.10     | 04:38       | 87.60     |                    |           |           | 79.00             | 17.14    | SSE              | 1.92       | ESE        | 11.80      | 15:28       | 635.10                       | 0.00         | 0.24      | 0.00         |
| 8/ 9/2001      | 101.70                   | 16:18       | 62.26     | 05:27       | 79.00     |                    |           |           | 77.90             | 10.73    | ESE              | 2.17       | E          | 13.48      | 13:44       | 638.60                       | 0.00         | 0.22      | 0.00         |
| 8/10/2001      | 94.60                    | 16:01       | 55.99     | 05:12       | 73.20     |                    |           |           | 88.40             | 23.84    | E                | 1.76       | E          | 12.81      | 15:31       | 652.90                       | 0.00         | 0.21      | 0.00         |
| 8/11/2001      | 97.30                    | 16:04       | 55.63     | 02:45       | 75.20     |                    |           |           | 87.80             | 17.09    | ESE              | 1.32       | ESE        | 8.95       | 16:30       | 640.90                       | 0.00         | 0.21      | 0.00         |
| 8/12/2001      | 92.20                    | 15:02       | 55.03     | 04:51       | 71.70     |                    |           |           | 85.70             | 27.56    | E                | 2.05       | E          | 13.48      | 14:39       | 638.80                       | 0.00         | 0.21      | 0.00         |
| 8/13/2001      | 91.50                    | 16:11       | 52.12     | 05:09       | 70.30     |                    |           |           | 89.30             | 26.95    | E                | 1.63       | ESE        | 9.79       | 16:13       | 650.80                       | 0.00         | 0.20      | 0.00         |
| 8/14/2001      | 95.90                    | 16:03       | 53.95     | 05:27       | 75.20     |                    |           |           | 90.10             | 14.59    | ESE              | 1.62       | E          | 10.13      | 13:47       | 654.90                       | 0.00         | 0.22      | 0.00         |
| 8/15/2001      | 97.30                    | 15:42       | 56.11     | 05:27       | 76.90     |                    |           |           | 87.30             | 16.75    | E                | 1.47       | ENE        | 10.46      | 13:31       | 651.70                       | 0.00         | 0.22      | 0.00         |
| 8/16/2001      | 99.20                    | 16:24       | 57.08     | 04:24       | 78.70     |                    |           |           | 88.20             | 15.79    | E                | 1.41       | ESE        | 10.63      | 16:08       | 639.20                       | 0.00         | 0.23      | 0.00         |
| 8/17/2001      | 102.30                   | 16:00       | 59.01     | 04:25       | 82.20     |                    |           |           | 79.80             | 14.72    | SE               | 1.82       | E          | 12.14      | 15:12       | 590.90                       | 0.00         | 0.22      | 0.00         |
| 8/18/2001      | 97.40                    | 16:08       | 56.72     | 04:39       | 76.30     |                    |           |           | 86.90             | 22.14    | ENE              | 1.39       | ESE        | 10.97      | 16:26       | 615.40                       | 0.00         | 0.21      | 0.00         |
| 8/19/2001      | 97.70                    | 15:38       | 61.03     | 23:56       | 78.70     |                    |           |           | 80.40             | 18.98    | ESE              | 1.57       | E          | 11.80      | 15:43       | 594.80                       | 0.00         | 0.21      | 0.00         |
| 8/20/2001      | 86.40                    | 15:50       | 54.06     | 05:09       | 68.36     |                    |           |           | 88.40             | 33.93    | E                | 3.26       | ESE        | 15.49      | 14:56       | 597.70                       | 0.00         | 0.19      | 0.00         |
| 8/21/2001      | 85.80                    | 16:14       | 53.46     | 05:25       | 68.40     |                    |           |           | 90.00             | 33.32    | E                | 1.66       | E          | 11.13      | 15:37       | 580.50                       | 0.00         | 0.17      | 0.00         |
| 8/22/2001      | 90.40                    | 14:59       | 54.07     | 04:56       | 71.00     |                    |           |           | 91.20             | 27.10    | SSW              | 2.59       | ESE        | 16.33      | 14:16       | 536.20                       | 0.00         | 0.17      | 0.00         |
| 8/23/2001      | 86.40                    | 14:39       | 55.02     | 05:24       | 72.00     |                    |           |           | 90.50             | 36.70    | E                | 1.87       | E          | 11.47      | 14:59       | 500.00                       | 0.00         | 0.15      | 0.00         |
| 8/24/2001      | 91.90                    | 15:58       | 58.28     | 05:34       | 76.00     |                    |           |           | 87.40             | 26.42    | NW               | 1.61       | E          | 9.12       | 15:32       | 586.80                       | 0.00         | 0.19      | 0.00         |
| 8/25/2001      | 97.90                    | 15:58       | 58.03     | 05:35       | 78.30     |                    |           |           | 86.00             | 21.40    | ESE              | 1.61       | E          | 11.80      | 14:49       | 583.60                       | 0.00         | 0.20      | 0.00         |
| 8/26/2001      | 100.90                   | 14:45       | 60.83     | 04:18       | 80.10     |                    |           |           | 75.10             | 16.80    | ESE              | 1.35       | ESE        | 9.79       | 16:29       | 591.50                       | 0.00         | 0.21      | 0.00         |
| 8/27/2001      | 106.60                   | 15:14       | 63.61     | 04:45       | 85.80     |                    |           |           | 73.40             | 13.83    | NW               | 1.18       | E          | 8.45       | 14:25       | 588.80                       | 0.00         | 0.21      | 0.00         |
| 8/28/2001      | 104.60                   | 15:16       | 63.73     | 05:37       | 84.90     |                    |           |           | 68.59             | 13.49    | NNE              | 1.40       | E          | 9.46       | 13:34       | 582.80                       | 0.00         | 0.21      | 0.00         |
| 8/29/2001      | 99.50                    | 14:48       | 60.67     | 23:55       | 79.00     |                    |           |           | 86.10             | 21.60    | ESE              | 2.22       | ESE        | 11.13      | 15:23       | 568.30                       | 0.00         | 0.20      | 0.00         |
| 8/30/2001      | 86.40                    | 15:39       | 55.87     | 05:29       | 68.88     |                    |           |           | 91.00             | 35.14    | E                | 2.17       | ESE        | 11.64      | 16:11       | 556.80                       | 0.00         | 0.17      | 0.00         |
| 8/31/2001      | 92.50                    | 15:22       | 56.13     | 05:22       | 73.20     |                    |           |           | 88.90             | 28.37    | ESE              | 1.85       | E          | 13.48      | 13:25       | 542.30                       | 0.00         | 0.18      | 0.00         |
| Average/Totals | 95.73                    |             | 57.65     |             | 76.29     |                    |           |           | 85.78             | 22.52    |                  | 1.90       |            | 11.82      |             | 614.94                       | 0.00         | 6.39      |              |
| Maximum        | 106.60                   | 8/ 8        | 67.10     | 8/ 8        | 87.60     |                    |           |           | 92.00             | 36.70    |                  | 3.72       |            | 16.50      | 8/ 4        | 679.20                       | 0.00         | 0.24      |              |
| Minimum        | 85.80                    | 8/21        | 52.12     | 8/13        | 68.36     |                    |           |           | 68.59             | 10.73    |                  | 1.18       |            | 8.45       | 8/27        | 500.00                       | 0.00         | 0.15      |              |