

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 |
| 9/ 1/2001      | 93.00                    | 15:43       | 57.21     | 05:41       | 74.60     |                    |           |           | 88.40             | 21.21    | ENE              | 1.40       | E          | 9.62       | 14:11       | 552.10                       | 0.00         | 0.18      | 0.00         |
| 9/ 2/2001      | 97.50                    | 16:05       | 58.89     | 05:12       | 78.20     |                    |           |           | 86.00             | 17.22    | E                | 1.97       | E          | 12.98      | 15:14       | 557.40                       | 0.00         | 0.20      | 0.00         |
| 9/ 3/2001      | 98.00                    | 16:32       | 56.48     | 05:35       | 77.70     |                    |           |           | 83.20             | 17.15    | ENE              | 1.83       | E          | 11.97      | 15:51       | 555.80                       | 0.00         | 0.19      | 0.00         |
| 9/ 4/2001      | 98.60                    | 14:43       | 56.72     | 05:48       | 77.10     |                    |           |           | 71.40             | 11.34    | ESE              | 1.84       | ESE        | 14.99      | 14:02       | 558.40                       | 0.00         | 0.20      | 0.00         |
| 9/ 5/2001      | 90.80                    | 15:07       | 53.58     | 04:29       | 71.50     |                    |           |           | 89.80             | 21.89    | E                | 1.45       | ENE        | 12.47      | 16:54       | 543.20                       | 0.00         | 0.17      | 0.00         |
| 9/ 6/2001      | 93.70                    | 14:40       | 63.97     | 23:21       | 76.30     |                    |           |           | 43.00             | 9.86     | NW               | 2.93       | W          | 14.32      | 08:50       | 550.80                       | 0.00         | 0.20      | 0.00         |
| 9/ 7/2001      | 96.50                    | 15:23       | 56.72     | 05:51       | 76.50     |                    |           |           | 54.24             | 10.94    | NNE              | 1.19       | NNW        | 9.12       | 10:12       | 523.50                       | 0.00         | 0.18      | 0.00         |
| 9/ 8/2001      | 97.10                    | 14:44       | 56.36     | 06:05       | 76.00     |                    |           |           | 75.90             | 12.08    | E                | 1.55       | ENE        | 11.47      | 12:17       | 527.20                       | 0.00         | 0.18      | 0.00         |
| 9/ 9/2001      | 86.40                    | 15:57       | 53.10     | 05:27       | 67.85     |                    |           |           | 88.80             | 30.88    | E                | 1.58       | E          | 12.31      | 16:31       | 498.80                       | 0.00         | 0.15      | 0.00         |
| 9/10/2001      | 84.70                    | 15:31       | 52.00     | 05:13       | 67.62     |                    |           |           | 90.90             | 31.90    | ENE              | 1.52       | ESE        | 9.46       | 16:38       | 505.90                       | 0.00         | 0.15      | 0.00         |
| 9/11/2001      | 85.10                    | 15:16       | 57.43     | 00:43       | 66.98     |                    |           |           | 81.10             | 33.81    | NW               | 1.08       | E          | 17.34      | 09:42       | 240.40                       | 0.00         | 0.08      | 0.00         |
| 9/12/2001      | 86.40                    | 15:08       | 52.49     | 05:56       | 68.34     |                    |           |           | 90.10             | 32.64    | E                | 2.02       | E          | 11.97      | 17:03       | 483.30                       | 0.00         | 0.15      | 0.00         |
| 9/13/2001      | 87.60                    | 16:22       | 52.24     | 05:42       | 68.85     |                    |           |           | 91.80             | 31.09    | ENE              | 0.98       | E          | 7.95       | 14:21       | 475.40                       | 0.00         | 0.14      | 0.00         |
| 9/14/2001      | 93.00                    | 14:29       | 62.06     | 03:50       | 78.00     |                    |           |           | 75.80             | 28.16    | WNW              | 1.60       | ENE        | 8.28       | 12:50       | 476.80                       | 0.00         | 0.16      | 0.00         |
| 9/15/2001      | 92.90                    | 15:34       | 56.24     | 05:45       | 73.70     |                    |           |           | 85.70             | 23.44    | ESE              | 1.26       | E          | 9.29       | 14:29       | 476.60                       | 0.00         | 0.15      | 0.00         |
| 9/16/2001      | 86.50                    | 15:48       | 57.58     | 05:21       | 69.45     |                    |           |           | 85.20             | 29.06    | E                | 1.38       | E          | 8.78       | 15:41       | 463.60                       | 0.00         | 0.14      | 0.00         |
| 9/17/2001      | 93.60                    | 16:01       | 53.46     | 05:24       | 72.10     |                    |           |           | 90.20             | 25.05    | ESE              | 1.00       | E          | 8.11       | 17:44       | 465.50                       | 0.00         | 0.14      | 0.00         |
| 9/18/2001      | 90.20                    | 15:14       | 55.27     | 05:44       | 71.50     |                    |           |           | 85.90             | 29.52    | E                | 1.24       | ESE        | 9.46       | 14:28       | 458.90                       | 0.00         | 0.14      | 0.00         |
| 9/19/2001      | 93.50                    | 15:45       | 57.33     | 05:43       | 74.50     |                    |           |           | 86.10             | 25.93    | SE               | 1.23       | E          | 8.95       | 14:51       | 456.40                       | 0.00         | 0.15      | 0.00         |
| 9/20/2001      | 92.10                    | 15:34       | 55.04     | 05:42       | 72.50     |                    |           |           | 87.50             | 24.65    | ESE              | 1.19       | E          | 9.96       | 14:26       | 451.10                       | 0.00         | 0.15      | 0.00         |
| 9/21/2001      | 93.80                    | 14:58       | 54.93     | 05:02       | 73.20     |                    |           |           | 86.70             | 21.68    | ESE              | 0.95       | SE         | 9.12       | 15:48       | 450.60                       | 0.00         | 0.14      | 0.00         |
| 9/22/2001      | 89.80                    | 13:19       | 54.79     | 05:20       | 72.30     |                    |           |           | 80.00             | 24.39    | ESE              | 1.04       | ESE        | 7.44       | 14:22       | 372.90                       | 0.00         | 0.12      | 0.00         |
| 9/23/2001      | 89.60                    | 14:31       | 54.93     | 06:00       | 69.79     |                    |           |           | 77.20             | 20.88    | ESE              | 0.91       | E          | 9.62       | 13:46       | 345.70                       | 0.00         | 0.11      | 0.00         |
| 9/24/2001      | 83.00                    | 12:56       | 51.63     | 05:08       | 66.37     |                    |           |           | 95.20             | 27.72    | NW               | 1.56       | NW         | 11.30      | 18:47       | 267.80                       | 0.04         | 0.09      | 0.04         |
| 9/25/2001      | 77.60                    | 15:47       | 57.94     | 23:33       | 66.21     |                    |           |           | 94.80             | 41.12    | S                | 1.97       | E          | 12.14      | 13:09       | 484.30                       | 0.14         | 0.13      | 0.18         |
| 9/26/2001      | 85.10                    | 15:17       | 55.41     | 06:02       | 69.02     |                    |           |           | 93.70             | 36.30    | NE               | 1.12       | E          | 7.95       | 12:25       | 469.20                       | 0.04         | 0.14      | 0.22         |
| 9/27/2001      | 84.30                    | 14:33       | 54.65     | 23:59       | 68.86     |                    |           |           | 93.80             | 20.89    | ESE              | 2.52       | ESE        | 14.15      | 16:13       | 446.20                       | 0.00         | 0.14      | 0.22         |
| 9/28/2001      | 83.00                    | 15:49       | 50.56     | 04:16       | 64.55     |                    |           |           | 89.70             | 25.50    | NW               | 0.98       | ENE        | 6.77       | 10:16       | 459.10                       | 0.00         | 0.13      | 0.22         |
| 9/29/2001      | 95.40                    | 15:15       | 54.54     | 02:31       | 73.90     |                    |           |           | 73.10             | 12.43    | NW               | 1.78       | W          | 11.64      | 10:56       | 475.20                       | 0.00         | 0.16      | 0.22         |
| 9/30/2001      | 98.50                    | 15:24       | 57.58     | 05:54       | 76.80     |                    |           |           | 70.80             | 13.37    | WNW              | 1.13       | NNE        | 7.61       | 12:40       | 464.30                       | 0.00         | 0.15      | 0.22         |
| Average/Totals | 90.58                    |             | 55.70     |             | 72.01     |                    |           |           | 82.87             | 23.74    |                  | 1.47       |            | 10.55      |             | 468.55                       | 0.22         | 4.52      |              |
| Maximum        | 98.60                    | 9/ 4        | 63.97     | 9/ 6        | 78.20     |                    |           |           | 95.20             | 41.12    |                  | 2.93       |            | 17.34      | 9/11        | 558.40                       | 0.14         | 0.20      |              |
| Minimum        | 77.60                    | 9/25        | 50.56     | 9/28        | 64.55     |                    |           |           | 43.00             | 9.86     |                  | 0.91       |            | 6.77       | 9/28        | 240.40                       | 0.00         | 0.08      |              |