

**WEEKLY SOIL MOISTURE LOSS IN INCHES**  
**(Estimated Crop Evapotranspiration or ETc)**  
**04/24/15 through 04/30/15**

| Crops (Leafout Date)                      | Tehama County - Gerber South |                            |                           | Butte County - Durham  |                            |                           | Colusa County - Colusa |                            |                           |
|---|------------------------------|----------------------------|---------------------------|------------------------|----------------------------|---------------------------|------------------------|----------------------------|---------------------------|
|   | Past Week of Water Use       | Accum'd Seasonal Water Use | Next Week's Estimated ETc | Past Week of Water Use | Accum'd Seasonal Water Use | Next Week's Estimated ETc | Past Week of Water Use | Accum'd Seasonal Water Use | Next Week's Estimated ETc |
|   | Pasture                      | 1.69                       | 12.31                     | 1.46                   | 1.43                       | 11.20                     | 1.42                   | 1.64                       | 11.91                     |
| Olives Table *                            | 1.28                         | 9.32                       | 1.11                      | 1.08                   | 8.48                       | 1.07                      | 1.23                   | 9.01                       | 1.15                      |
| Olives High Density *                     | 1.01                         | 7.36                       | 0.90                      | 0.86                   | 6.69                       | 0.86                      | 0.97                   | 7.11                       | 0.91                      |
| Citrus *                                  | 1.10                         | 8.03                       | 0.97                      | 0.93                   | 7.33                       | 0.93                      | 1.07                   | 7.76                       | 0.98                      |
| Almonds (2/15) *                          | 1.47                         | 8.47                       | 1.33                      | 1.24                   | 7.69                       | 1.29                      | 1.42                   | 8.22                       | 1.37                      |
| Prunes (3/6) *                            | 1.58                         | 7.42                       | 1.39                      | 1.34                   | 6.72                       | 1.35                      | 1.53                   | 7.32                       | 1.43                      |
| Walnuts (4/1) *                           | 0.95                         | 3.32                       | 0.98                      | 0.81                   | 2.93                       | 0.98                      | 0.92                   | 3.31                       | 1.01                      |
| Urban Turf Grass                          | 1.35                         | 9.32                       | 1.18                      | 1.15                   | 8.50                       | 1.14                      | 1.32                   | 9.07                       | 1.22                      |
| <b>Past 7 days precipitation (inches)</b> | 0.22                         |                            |                           | 0.43                   |                            |                           | 0.23                   |                            |                           |
| <b>Accumulated precipitation (inches)</b> | 1.44                         |                            |                           | 2.27                   |                            |                           | 1.34                   |                            |                           |

Accumulations started on February 10, 2015 or on the approximate leafout date for a specific orchard crop as indicated in parentheses. Criteria for beginning this report are based on the season's last significant rainfall event where the soil moisture profile is estimated to be near its highest level for the new season.

\* Estimates are for orchard floor conditions where vegetation is managed by some combination of strip applications of herbicides, frequent mowing or tillage, and by mid and late season shading and water stress. Weekly estimates of soil moisture loss can be as much as 25 percent higher in orchards where cover crops are planted and managed more intensively for maximum growth.

**PAST WEEKLY APPLIED WATER IN INCHES, ADJUSTED FOR EFFICIENCY <sup>1</sup>**

| Crops                | Tehama County - Gerber South |     |     |     |     | Butte County - Durham |     |     |     |     | Colusa County - Colusa |     |     |     |     |
|----------------------|------------------------------|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|------------------------|-----|-----|-----|-----|
|                      | 50%                          | 60% | 70% | 80% | 90% | 50%                   | 60% | 70% | 80% | 90% | 50%                    | 60% | 70% | 80% | 90% |
| System Efficiency >> | 50%                          | 60% | 70% | 80% | 90% | 50%                   | 60% | 70% | 80% | 90% | 50%                    | 60% | 70% | 80% | 90% |
| Olives Table         | 2.6                          | 2.1 | 1.8 | 1.6 | 1.4 | 2.2                   | 1.8 | 1.5 | 1.4 | 1.2 | 2.5                    | 2.1 | 1.8 | 1.5 | 1.4 |
| Olives High Density  | 2.0                          | 1.7 | 1.4 | 1.3 | 1.1 | 1.7                   | 1.4 | 1.2 | 1.1 | 1.0 | 1.9                    | 1.6 | 1.4 | 1.2 | 1.1 |
| Citrus               | 2.2                          | 1.8 | 1.6 | 1.4 | 1.2 | 1.9                   | 1.6 | 1.3 | 1.2 | 1.0 | 2.1                    | 1.8 | 1.5 | 1.3 | 1.2 |
| Almonds (2/15)       | 2.9                          | 2.5 | 2.1 | 1.8 | 1.6 | 2.5                   | 2.1 | 1.8 | 1.6 | 1.4 | 2.8                    | 2.4 | 2.0 | 1.8 | 1.6 |
| Prunes (3/6)         | 3.2                          | 2.6 | 2.3 | 2.0 | 1.8 | 2.7                   | 2.2 | 1.9 | 1.7 | 1.5 | 3.1                    | 2.6 | 2.2 | 1.9 | 1.7 |
| Walnuts (4/1)        | 1.9                          | 1.6 | 1.4 | 1.2 | 1.1 | 1.6                   | 1.4 | 1.2 | 1.0 | 0.9 | 1.8                    | 1.5 | 1.3 | 1.2 | 1.0 |

<sup>1</sup> The amount of water required by a specific irrigation system to satisfy evapotranspiration. Typical ranges in irrigation system efficiency are: Drip, 80%-95%; Micro-sprinkler, 80%-90%; Sprinkler, 70%-85%; and Border-furrow, 50%-75%.

For further information concerning all counties receiving this report, contact the Tehama Co. Farm Advisor's office at (530) 527-3101 or the Glenn Co. Farm Advisor's office at (530) 865-1153.