

WEEKLY SOIL MOISTURE LOSS IN INCHES

(Estimated Evapotranspiration)

10/14/11 through 10/20/11

| <u>West of Sacramento River</u> | | | <u>East of Sacramento River</u> | | |
|--|----------------------|---------------------|--|----------------------|--|
| Weekly Water Use | Accum'd Seasonal Use | Crop (Leafout Date) | Weekly Water Use | Accum'd Seasonal Use | |
| 0.75 | 42.30 | Pasture | 0.77 | 38.36 | |
| 0.75 | 40.97 | Alfalfa | 0.77 | 37.05 | |
| 0.57 | 32.00 | Olives | 0.57 | 28.99 | |
| 0.50 | 27.64 | Citrus | 0.50 | 24.89 | |
| 0.47 | 38.44 | Almonds (3/1) * | 0.49 | 34.58 | |
| 0.47 | 38.41 | Prunes (3/15) * | 0.49 | 34.56 | |
| 0.48 | 38.32 | Walnuts (4/1) * | 0.50 | 34.47 | |
| 0.57 | 37.85 | Urban Turf Grass | 0.57 | 34.32 | |

Accumulations started on March 27, 2011. Criteria for beginning this report are based on the season's last significant rainfall event where the soil moisture profile is at full capacity.

* 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 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 for maximum growth."

| | | |
|-------------|--------------------------------|-------------|
| 0.00 | Precipitation (Inches) | 0.00 |
| 6.43 | Accum'd Precip (Inches) | 6.75 |

WEEKLY APPLIED WATER IN INCHES¹

| 50% | 60% | 70% | 80% | 90% | ← Efficiency → | 50% | 60% | 70% | 80% | 90% |
|-----|-----|-----|-----|-----|----------------|-----|-----|-----|-----|-----|
| 1.1 | 1.0 | 0.8 | 0.7 | 0.6 | Olives | 1.1 | 1.0 | 0.8 | 0.7 | 0.6 |
| 1.0 | 0.8 | 0.7 | 0.6 | 0.6 | Citrus | 1.0 | 0.8 | 0.7 | 0.6 | 0.6 |
| 0.9 | 0.8 | 0.7 | 0.6 | 0.5 | Almonds (3/1) | 1.0 | 0.8 | 0.7 | 0.6 | 0.5 |
| 0.9 | 0.8 | 0.7 | 0.6 | 0.5 | Prunes (3/15) | 1.0 | 0.8 | 0.7 | 0.6 | 0.5 |
| 1.0 | 0.8 | 0.7 | 0.6 | 0.5 | Walnuts (4/1) | 1.0 | 0.8 | 0.7 | 0.6 | 0.6 |

¹ The amount of water required by a specific irrigation system to satisfy evapotranspiration. Typical ranges in irrigation system efficiency are: Drip Irrigation, 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.