

WEEKLY SOIL MOISTURE LOSS IN INCHES				
(Estimated Evapotranspiration)				
9/13/02 through 9/19/02				
<p><i>* Date in parentheses are representative leaf out dates for deciduous orchard crops. Estimates are for mature, healthy, and fully bearing orchard crops. Estimates are for orchards grown where vegetation on orchard floors are controlled with tillage, herbicides, or where growth is limited by water stress. If actively growing vegetation exists on the orchard floor, estimates of soil moisture loss should be increased 20 – 25 percent.</i></p>				
West of Sacramento River			East of Sacramento River	
Weekly Water Use	Accum'd Seasonal Use	Crop (Leafout Date)	Weekly Water Use	Accum'd Seasonal Use
1.35	43.16	Pasture-Turf	1.27	40.84
1.35	41.73	Alfalfa	1.27	39.43
1.02	32.57	Olives	0.95	30.80
0.87	28.18	Citrus	0.82	26.63
1.11	39.50	Almonds (3/1)*	1.04	37.35
1.11	39.18	Dried Plum (3/15)*	1.04	37.10
1.11	36.97	Walnuts (4/1)*	1.04	35.10
1.00	38.75	Urban Turfgrass	0.94	36.85
0.00	2.12	Rainfall (3/1)	0.00	2.35

ESTIMATE OF WEEKLY APPLIED WATER IN INCHES NEEDED								
<p><i>The amount of water required by a specific irrigation system to satisfy evapotranspiration must be adjusted upward for irrigation efficiency and estimates are given below. Typical ranges in irrigation system efficiency are: Drip Irrigation- 80 to 95 %; Micro-sprinkler - 80 to 90 %; Impact Sprinkler- 70 to 85 %; and Border or Furrow – 50 to 75 %.</i></p>								
West of Sacramento River				East of Sacramento River				
(Irrigation Efficiency)				(Irrigation Efficiency)				
60 %	70 %	80 %	90 %		60 %	70 %	80 %	90 %
1.7	1.5	1.3	1.1	Olives	1.6	1.4	1.2	1.1
1.5	1.2	1.1	1.0	Citrus	1.4	1.2	1.0	0.9
1.9	1.6	1.4	1.2	Almonds	1.7	1.5	1.3	1.2
1.9	1.6	1.4	1.2	Prunes	1.7	1.5	1.3	1.2
1.9	1.6	1.4	1.2	Walnuts	1.7	1.5	1.3	1.2