

ETc Table for Irrigation Scheduling and Design

Zone 10 Monthly Evapotranspiration

Surface Irrigation Wet Year

IRRIGATION TRAINING AND RESEARCH CENTER, California Polytechnic State University, San Luis Obispo

Table does not include adjustments for bare spots and reduced vigor

| | 1998 (Wet Year) | | | | | | |
|---|-----------------|----------|--------|--------|--------|--------|--------|
| | January | February | March | April | May | June | July |
| | inches | inches | inches | inches | inches | inches | inches |
| Precipitation | 5.42 | 15.81 | 2.36 | 1.22 | 3.33 | 0.17 | 0.05 |
| Grass Reference ETo | 1.42 | 1.64 | 3.28 | 4.63 | 4.73 | 5.41 | 6.73 |
| Apple, Pear, Cherry, Plum and Prune | 1.48 | 1.87 | 2.02 | 3.74 | 5.19 | 5.17 | 6.19 |
| Apples, Plums, Cherries etc w/covercrop | 1.58 | 1.9 | 3.74 | 5.03 | 5.14 | 6.33 | 7.6 |
| Peach, Nectarine and Apricots | 1.48 | 1.87 | 1.99 | 3.53 | 5.13 | 5.28 | 6.16 |
| Immature Peaches, Nectarines, etc | 1.5 | 1.88 | 1.88 | 2.69 | 3.98 | 3.24 | 3.89 |
| Almonds | 1.48 | 1.87 | 2.15 | 4.1 | 5.08 | 5.04 | 5.93 |
| Almonds w/covercrop | 1.58 | 1.9 | 3.42 | 5.07 | 5.22 | 5.88 | 7.04 |
| Immature Almonds | 1.5 | 1.88 | 2.02 | 3.06 | 4.06 | 3.75 | 4.37 |
| Walnuts | 1.47 | 1.86 | 2.1 | 3.16 | 5.2 | 5.75 | 7.43 |
| Pistachio | 1.48 | 1.87 | 1.75 | 2.63 | 3.93 | 4.24 | 6.93 |
| Pistachio w/ covercrop | 1.58 | 1.9 | 3.42 | 4.26 | 4.86 | 5.55 | 7.59 |
| Immature Pistachio | 1.5 | 1.88 | 1.75 | 2.2 | 3.28 | 2.6 | 4.93 |
| Misc. Deciduous | 1.48 | 1.87 | 2.02 | 3.66 | 5.13 | 4.9 | 5.91 |
| Grain and Grain Hay | 1.61 | 1.95 | 3.77 | 5.21 | 3.81 | 0.27 | 0.06 |
| Rice | 1.55 | 1.91 | 1.75 | 2.16 | 5.54 | 6.48 | 8.21 |
| Cotton | 1.55 | 1.91 | 1.75 | 1.83 | 3.15 | 3.25 | 7.06 |
| Safflower and Sunflower | 1.55 | 1.93 | 2.46 | 5.12 | 5.51 | 5.57 | 1.69 |
| Corn and Grain Sorghum | 1.55 | 1.91 | 2.38 | 2.29 | 3.88 | 4.82 | 6.82 |
| Misc. field crops | 1.55 | 1.91 | 2.38 | 2.29 | 3.91 | 5.12 | 6.45 |
| Alfalfa Hay and Clover | 1.66 | 1.94 | 3.54 | 5.26 | 5.56 | 5.27 | 6.06 |
| Pasture and Misc. Grasses | 1.55 | 1.95 | 2.93 | 4.56 | 5.23 | 5.39 | 6.61 |
| Small Vegetables | 1.64 | 1.94 | 3.31 | 5.07 | 2.75 | 0.23 | 0.06 |
| Tomatoes and Peppers | 1.55 | 1.91 | 2.36 | 2.31 | 4.46 | 5.57 | 6.61 |
| Potatoes, Sugar beets, Turnip etc.. | 1.55 | 1.93 | 2.71 | 5.2 | 5.48 | 5.94 | 6.48 |
| Melons, Squash, and Cucumbers | 1.55 | 1.91 | 1.75 | 1.78 | 2.58 | 0.82 | 4.11 |
| Onions and Garlic | 1.61 | 1.95 | 3.46 | 4.56 | 4.17 | 1.09 | 0.06 |
| Strawberries | 1.55 | 1.91 | 2.38 | 2.29 | 3.91 | 5.12 | 6.45 |
| Flowers, Nursery and Christmas Tree | 1.48 | 1.87 | 2.02 | 3.66 | 5.13 | 4.9 | 5.91 |
| Citrus (no ground cover) | 1.58 | 1.9 | 3.53 | 4.44 | 4.63 | 4.12 | 4.73 |
| Immature Citrus | 1.57 | 1.91 | 2.64 | 3.19 | 3.71 | 2.59 | 3 |
| Avocado | 1.48 | 1.87 | 2.02 | 3.66 | 5.13 | 4.9 | 5.91 |
| Misc Subtropical | 1.48 | 1.87 | 2.02 | 3.66 | 5.13 | 4.9 | 5.91 |
| Idle | 1.57 | 1.93 | 1.75 | 1.78 | 2.59 | 0.23 | 0.06 |

| | August inches | September inches | October inches | November inches | December inches | Annual inches |
|---|------------------|---------------------|-------------------|--------------------|--------------------|------------------|
| Precipitation | 0.09 | 0.32 | 3.35 | 3.23 | 0.64 | 36 |
| Grass Reference ETo | 6.63 | 4.04 | 3.68 | 2 | 1.76 | 45.94 |
| Apple, Pear, Cherry, Plum and Prune | 6.18 | 3.81 | 3.19 | 1.5 | 1.04 | 41.36 |
| Apples, Plums, Cherries etc w/covercrop | 7.45 | 4.31 | 3.97 | 2.4 | 2.02 | 51.46 |
| Peach, Nectarine and Apricots | 6.32 | 3.71 | 3.11 | 1.5 | 1.04 | 41.09 |
| Immature Peaches, Nectarines, etc | 3.75 | 2.5 | 2.22 | 1.5 | 1.04 | 30.04 |
| Almonds | 5.93 | 3.46 | 3.19 | 1.5 | 1.04 | 40.75 |
| Almonds w/covercrop | 6.82 | 4.05 | 3.27 | 2.33 | 1.83 | 48.39 |
| Immature Almonds | 4.24 | 2.54 | 2.65 | 1.5 | 1.04 | 32.6 |
| Walnuts | 7.17 | 3.94 | 3.26 | 1.54 | 1.04 | 43.92 |
| Pistachio | 6.89 | 3.94 | 3.26 | 1.54 | 1.04 | 39.49 |
| Pistachio w/ covercrop | 7.44 | 4.39 | 4.05 | 2.36 | 1.86 | 49.24 |
| Immature Pistachio | 4.67 | 2.92 | 2.49 | 1.52 | 1.04 | 30.78 |
| Misc. Deciduous | 6.13 | 3.46 | 3.2 | 1.5 | 1.04 | 40.29 |
| Grain and Grain Hay | 0.09 | 0.3 | 1.24 | 1.85 | 1.18 | 21.35 |
| Rice | 8.06 | 2.64 | 1.25 | 1.5 | 1.04 | 42.11 |
| Cotton | 7.2 | 4.02 | 2.44 | 1.5 | 1.04 | 36.71 |
| Safflower and Sunflower | 0.09 | 0.3 | 1.24 | 1.5 | 1.04 | 28.02 |
| Corn and Grain Sorghum | 5.09 | 0.51 | 1.24 | 1.5 | 1.04 | 33.03 |
| Misc. field crops | 2.31 | 0.3 | 1.24 | 1.5 | 1.04 | 30 |
| Alfalfa Hay and Clover | 5.91 | 3.94 | 2.71 | 2.26 | 1.95 | 46.07 |
| Pasture and Misc. Grasses | 6.56 | 4.03 | 3.4 | 1.95 | 1.04 | 45.2 |
| Small Vegetables | 1.12 | 1.29 | 1.89 | 2.09 | 1.89 | 23.28 |
| Tomatoes and Peppers | 1.02 | 0.3 | 1.24 | 1.5 | 1.04 | 29.88 |
| Potatoes, Sugar beets, Turnip etc.. | 0.19 | 0.3 | 1.24 | 1.5 | 1.04 | 33.58 |
| Melons, Squash, and Cucumbers | 5.4 | 1.38 | 1.24 | 1.5 | 1.04 | 25.06 |
| Onions and Garlic | 0.09 | 0.3 | 1.24 | 1.5 | 1.26 | 21.3 |
| Strawberries | 2.31 | 0.3 | 1.24 | 1.5 | 1.04 | 30 |
| Flowers, Nursery and Christmas Tree | 6.13 | 3.46 | 3.2 | 1.5 | 1.04 | 40.29 |
| Citrus (no ground cover) | 4.6 | 2.96 | 3.16 | 2.38 | 1.93 | 39.95 |
| Immature Citrus | 2.84 | 1.81 | 2.46 | 2.01 | 1.48 | 29.2 |
| Avocado | 6.13 | 3.46 | 3.2 | 1.5 | 1.04 | 40.29 |
| Misc Subtropical | 6.13 | 3.46 | 3.2 | 1.5 | 1.04 | 40.29 |
| Idle | 0.09 | 0.3 | 1.24 | 1.51 | 1.04 | 14.1 |