

ETc Table for Irrigation District Water Balances

Zone 12 Monthly Evapotranspiration

Surface Irrigation Typical Year

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Table includes adjustments for bare spots and reduced vigor

| | 1997 (Typical Year) | | | | | | |
|--|---------------------|--------------------|-----------------|-----------------|---------------|----------------|----------------|
| | January inches | February inches | March inches | April inches | May inches | June inches | July inches |
| Precipitation | 6.81 | 0.27 | 1.34 | 0.22 | 0.21 | 0.2 | 0.13 |
| Grass Reference ETo | 0.73 | 2.12 | 4.01 | 5.56 | 7.32 | 7.58 | 7.98 |
| Apple, Pear, Cherry, Plum and Prune | 0.77 | 0.85 | 1.43 | 2.18 | 5.79 | 6.52 | 7.04 |
| Apples, Plums, Cherries etc w/covercrop | 0.77 | 2.18 | 3.76 | 4.34 | 6.99 | 8.23 | 8.48 |
| Peach, Nectarine and Apricots | 0.77 | 0.85 | 1.45 | 2 | 5.62 | 6.51 | 6.94 |
| Immature Peaches, Nectarines, etc | 0.78 | 0.84 | 1.24 | 1.1 | 3.53 | 3.93 | 4.28 |
| Almonds | 0.77 | 0.9 | 1.68 | 2.74 | 5.99 | 6.26 | 6.64 |
| Almonds w/covercrop | 0.77 | 1.96 | 3.23 | 4.31 | 6.91 | 7.51 | 7.66 |
| Immature Almonds | 0.78 | 0.88 | 1.44 | 1.85 | 4.3 | 4.7 | 4.69 |
| Walnuts | 0.77 | 0.85 | 1.57 | 1.63 | 5.3 | 7.8 | 8.02 |
| Pistachio | 0.77 | 0.85 | 1.02 | 1.05 | 2.41 | 5.52 | 7.61 |
| Pistachio w/ covercrop | 0.77 | 1.96 | 3.18 | 3.4 | 5.08 | 6.9 | 8.38 |
| Immature Pistachio | 0.78 | 0.84 | 1.02 | 0.63 | 1.42 | 3.63 | 5.29 |
| Misc. Deciduous | 0.77 | 0.85 | 1.43 | 2.1 | 5.47 | 6.29 | 6.69 |
| Grain and Grain Hay | 0.8 | 2.07 | 4.06 | 5.64 | 3.55 | 0.2 | 0.14 |
| Rice | 0.79 | 0.83 | 1.02 | 0.69 | 6.56 | 8.45 | 8.96 |
| Cotton | 0.79 | 0.83 | 1.01 | 0.92 | 1.58 | 4.31 | 7.77 |
| Safflower and Sunflower | 0.79 | 1.08 | 2.15 | 4.8 | 7.73 | 6.61 | 0.87 |
| Corn and Grain Sorghum | 0.79 | 0.83 | 1.98 | 1.28 | 2.37 | 6.41 | 7.48 |
| Misc. field crops | 0.79 | 0.83 | 1.98 | 1.28 | 2.34 | 6.55 | 7.12 |
| Alfalfa Hay and Clover | 0.79 | 2.07 | 3.89 | 4.74 | 6.15 | 6.46 | 6.61 |
| Pasture and Misc. Grasses | 0.79 | 1.32 | 2.61 | 4.24 | 6.67 | 6.92 | 7.24 |
| Small Vegetables | 0.8 | 1.43 | 3.61 | 5.47 | 1.75 | 0.19 | 0.14 |
| Tomatoes and Peppers | 0.79 | 0.83 | 1.53 | 0.72 | 3.46 | 7.45 | 6.45 |
| Potatoes, Sugar beets, Turnip etc.. | 0.79 | 1.12 | 2.52 | 5.41 | 7.49 | 7.77 | 7.09 |
| Melons, Squash, and Cucumbers | 0.79 | 0.83 | 1.01 | 0.21 | 0.92 | 1.36 | 4.65 |
| Onions and Garlic | 0.8 | 1.91 | 3.53 | 4.6 | 5.03 | 1.06 | 0.16 |
| Strawberries | 0.79 | 0.83 | 1.98 | 1.28 | 2.34 | 6.55 | 7.12 |
| Flowers, Nursery and Christmas Tree | 0.77 | 0.85 | 1.43 | 2.1 | 5.47 | 6.29 | 6.69 |
| Citrus (no ground cover) | 0.77 | 2.04 | 3.43 | 3.9 | 4.81 | 4.93 | 5.17 |
| Immature Citrus | 0.78 | 1.43 | 2.19 | 2.32 | 3.12 | 2.98 | 3.09 |
| Avocado | 0.77 | 0.85 | 1.43 | 2.1 | 5.47 | 6.29 | 6.69 |
| Misc Subtropical | 0.77 | 0.85 | 1.43 | 2.1 | 5.47 | 6.29 | 6.69 |
| Grape Vines with 80% canopy | 0.78 | 0.84 | 1.17 | 1.05 | 3.24 | 5.43 | 5.87 |
| Grape Vines with cover crop (80% canopy) | 0.78 | 1.8 | 2.85 | 2.83 | 4.95 | 6.33 | 6.58 |
| Immature Grapes Vines with 50% canopy | 0.78 | 0.84 | 1.12 | 0.76 | 2.22 | 3.96 | 4.1 |
| Idle | 0.8 | 0.83 | 1.02 | 0.21 | 0.2 | 0.19 | 0.14 |

| | August inches | September inches | October inches | November inches | December inches | Annual inches |
|--|------------------|---------------------|-------------------|--------------------|--------------------|------------------|
| Precipitation | 0.34 | 0.07 | 0.64 | 4.15 | 2.12 | 16.5 |
| Grass Reference ETo | 6.76 | 5.39 | 3.47 | 1.05 | 0.99 | 52.96 |
| Apple, Pear, Cherry, Plum and Prune | 5.96 | 4.46 | 2.07 | 0.42 | 0.87 | 38.34 |
| Apples, Plums, Cherries etc w/covercrop | 7.03 | 5.49 | 3.17 | 0.79 | 1.1 | 52.33 |
| Peach, Nectarine and Apricots | 5.93 | 4.38 | 2.18 | 0.42 | 0.87 | 37.91 |
| Immature Peaches, Nectarines, etc | 3.77 | 2.63 | 1.54 | 0.43 | 0.87 | 24.94 |
| Almonds | 5.78 | 4.34 | 2.72 | 0.5 | 0.87 | 39.18 |
| Almonds w/covercrop | 6.66 | 4.94 | 3.15 | 0.73 | 1.08 | 48.92 |
| Immature Almonds | 4.31 | 3.06 | 2.22 | 0.45 | 0.87 | 29.57 |
| Walnuts | 6.77 | 4.82 | 2.64 | 0.52 | 0.87 | 41.57 |
| Pistachio | 6.52 | 4.91 | 2.51 | 0.49 | 0.87 | 34.52 |
| Pistachio w/ covercrop | 7.17 | 5.56 | 3.23 | 0.91 | 1.08 | 47.65 |
| Immature Pistachio | 4.56 | 3.41 | 1.86 | 0.48 | 0.87 | 24.79 |
| Misc. Deciduous | 5.78 | 4.2 | 2.2 | 0.42 | 0.87 | 37.07 |
| Grain and Grain Hay | 0.32 | 0.07 | 0.58 | 0.45 | 0.94 | 18.82 |
| Rice | 7.56 | 2.32 | 0.58 | 0.45 | 0.88 | 39.09 |
| Cotton | 6.81 | 4.78 | 1.5 | 0.45 | 0.88 | 31.62 |
| Safflower and Sunflower | 0.32 | 0.07 | 0.58 | 0.45 | 0.88 | 26.32 |
| Corn and Grain Sorghum | 5.06 | 0.45 | 0.58 | 0.45 | 0.88 | 28.55 |
| Misc. field crops | 2.69 | 0.07 | 0.58 | 0.45 | 0.88 | 25.55 |
| Alfalfa Hay and Clover | 5.49 | 4.52 | 1.98 | 0.8 | 1.07 | 44.58 |
| Pasture and Misc. Grasses | 6.14 | 4.9 | 2.82 | 0.73 | 0.88 | 45.26 |
| Small Vegetables | 1.33 | 1.42 | 1.47 | 0.7 | 1.06 | 19.36 |
| Tomatoes and Peppers | 0.84 | 0.07 | 0.58 | 0.45 | 0.88 | 24.05 |
| Potatoes, Sugar beets, Turnip etc.. | 0.4 | 0.07 | 0.58 | 0.45 | 0.88 | 34.57 |
| Melons, Squash, and Cucumbers | 5.16 | 1.46 | 0.58 | 0.45 | 0.88 | 18.3 |
| Onions and Garlic | 0.32 | 0.07 | 0.58 | 0.95 | 0.94 | 19.94 |
| Strawberries | 2.69 | 0.07 | 0.58 | 0.45 | 0.88 | 25.55 |
| Flowers, Nursery and Christmas Tree | 5.78 | 4.2 | 2.2 | 0.42 | 0.87 | 37.07 |
| Citrus (no ground cover) | 4.58 | 3.39 | 2.64 | 0.79 | 1.09 | 37.53 |
| Immature Citrus | 3.02 | 2.21 | 1.67 | 0.61 | 1 | 24.42 |
| Avocado | 5.78 | 4.2 | 2.2 | 0.42 | 0.87 | 37.07 |
| Misc Subtropical | 5.78 | 4.2 | 2.2 | 0.42 | 0.87 | 37.07 |
| Grape Vines with 80% canopy | 4.52 | 2.87 | 0.58 | 0.42 | 0.87 | 27.64 |
| Grape Vines with cover crop (80% canopy) | 5.33 | 3.31 | 2.16 | 0.69 | 1.06 | 38.67 |
| Immature Grapes Vines with 50% canopy | 3.43 | 1.72 | 0.58 | 0.43 | 0.87 | 20.82 |
| Idle | 0.32 | 0.07 | 0.58 | 0.46 | 0.88 | 5.69 |