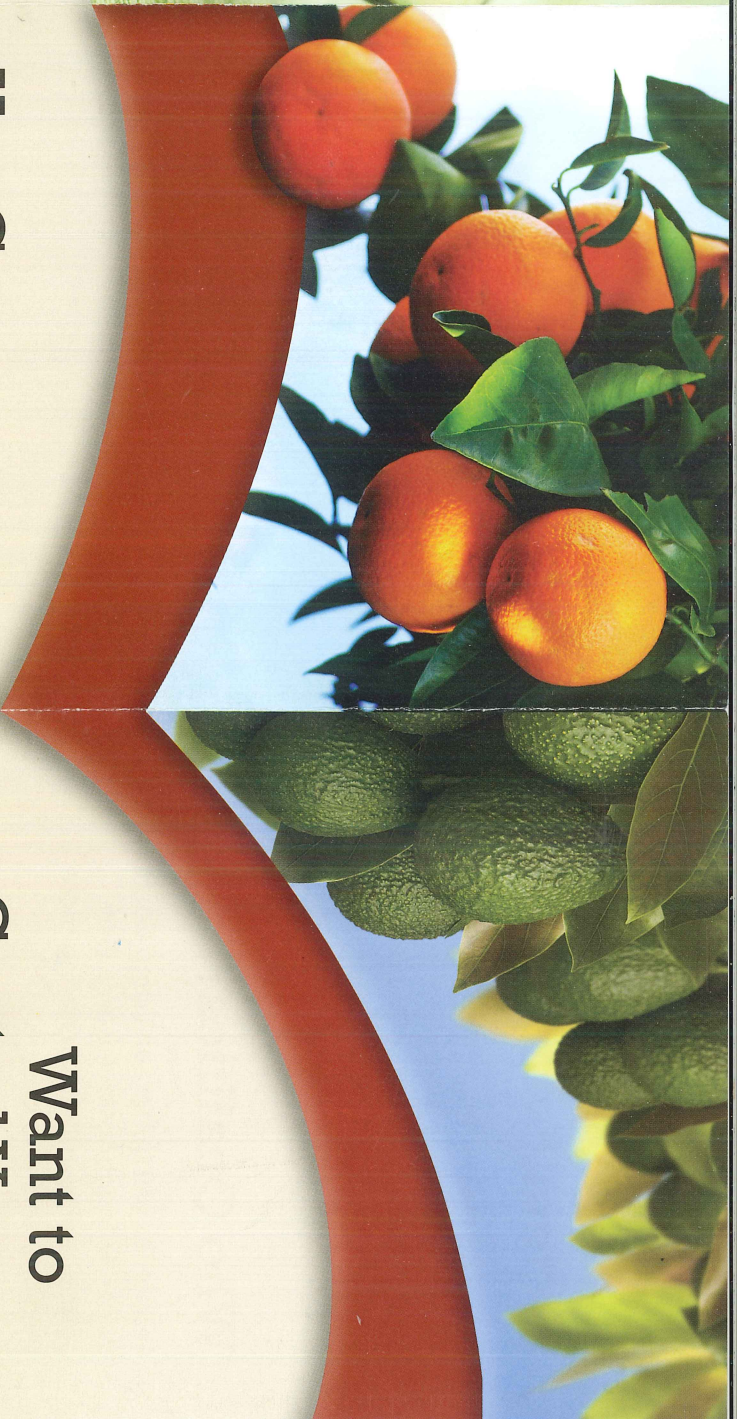


San Diego County is the nation's 16th largest farm economy and has more small farms (under 10 acres) than any county. Source: San Diego County Farm Bureau

Irrigation Water Management

Irrigation Water Management is the implementation of Best Management Practices to efficiently irrigate crops, control irrigation costs and improve production.

In San Diego County, Irrigation System Evaluations are provided FREE by Mission Resource Conservation District, which has helped more than 1,700 growers increase understanding of their crop water needs, soil and irrigation systems.



You Can Control Your Irrigation Costs.

Call Today.

(760) 728-1332

info@missionrccd.org

Mission Resource Conservation District

We are an independent unit of local government actively promoting the responsible use of land, water and other natural resources.



San Diego County
Water Authority

Program made possible by
San Diego County Water Authority
and its member agencies

Want to Control Your Agricultural Irrigation Costs?

Free

Start with an
Irrigation System
Evaluation

 **water|smart**
SAN DIEGO COUNTY

Free Irrigation System Evaluation

An onsite evaluation, analyses, report and recommendations are free services provided by an irrigation specialist. The program is funded by the San Diego County Water Authority and its member agencies.

Who Qualifies?

Properties within the San Diego County Water Authority's service area with agricultural operations irrigating more than one acre of crops.

You Get

- Report describing irrigation challenges and potential solutions
- Analysis of past water use
- Soil moisture capacities
- Observations and recommendations
- Irrigation schedules
- Annual growing season water budget

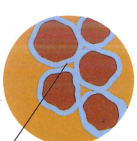
Irrigation Need

Efficiency and plant health are improved when irrigation corresponds to plant needs and soil characteristics.

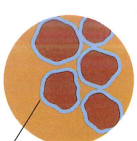
Soil Moisture Characteristics



Saturation
All of the pores are filled with water.



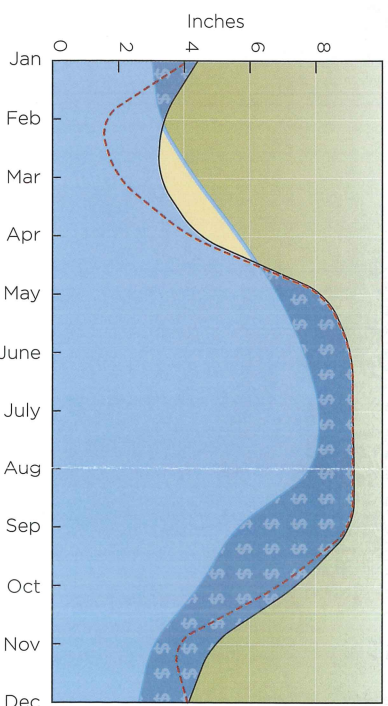
Field Capacity
Some water is in the pores, but it no longer drains freely.



Wilt Point
Only water held tightly by the soil is present.

water film—not available to plant

Irrigation: Need vs. Actual



In this example, excess irrigation was provided in January, and May through December. Insufficient irrigation was provided during February–April, a critical period when fruit is setting.

— Excess Irrigation
— Avocado ETC
— Irrigation Deficit
— Total: Rainfall and Irrigation
--- Irrigation