







Irrigation Calculator EN 



This calculator estimates irrigation requirements based on weather station and crop stage data. It is currently designed for strawberry, celery, cabbage, broccoli and cauliflower production in Ventura County, CA. [More about this calculator](#).

Crop 
Strawberry

Canopy Cover 

ETo Zone *Find your zone →*  
Zone 5

Last Irrigation or Significant Precipitation 

Application Rate (acre-in/h)  
0.27

Calculate

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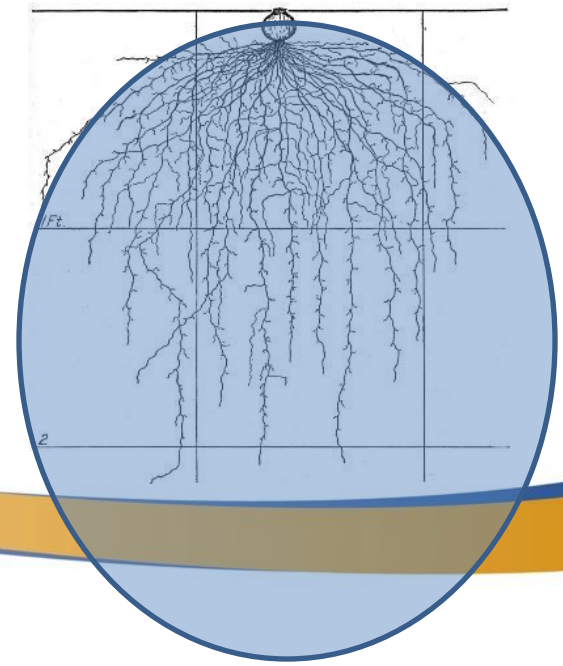
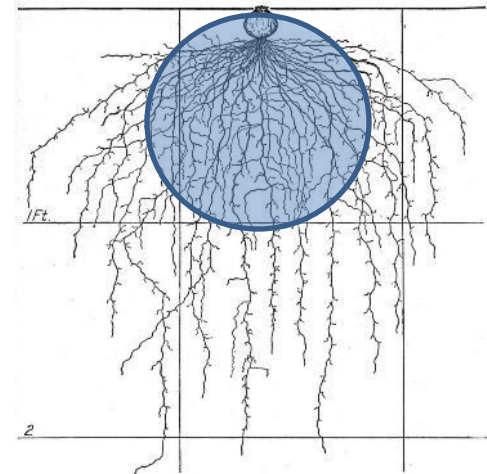
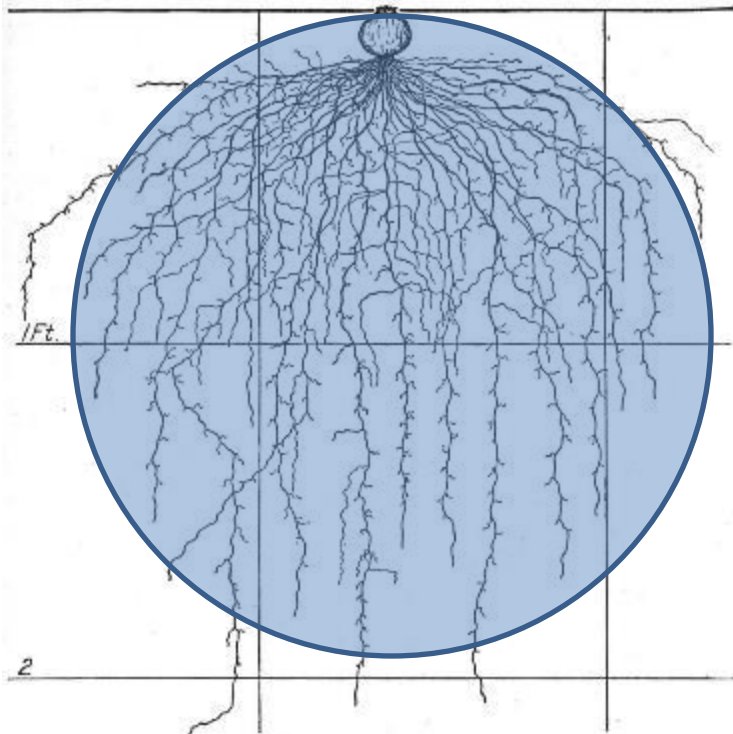
Irrigation App to Increase Data-Driven Decisions

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Irrigation and Water Resources Advisor,
UC ANR

Andy Lyons,
IGIS, UC ANR

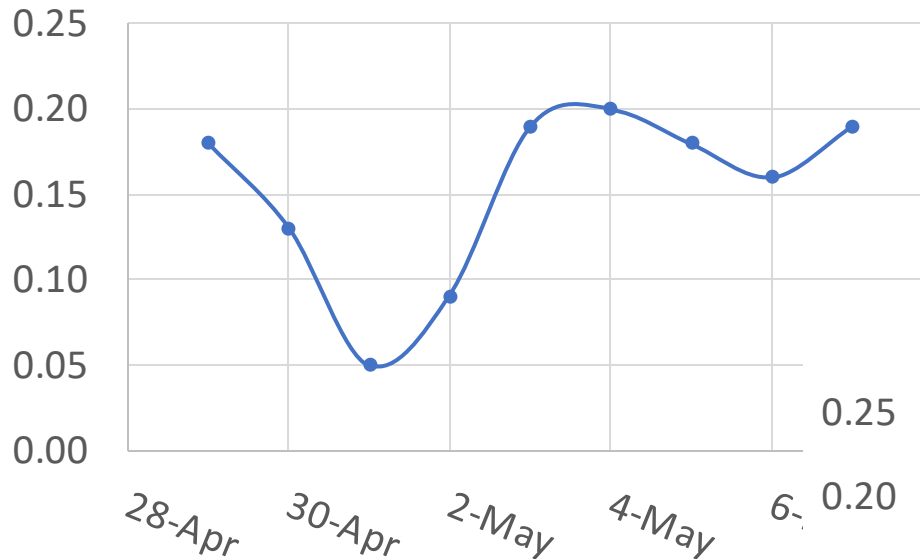
Inefficient irrigation

Ideal irrigation

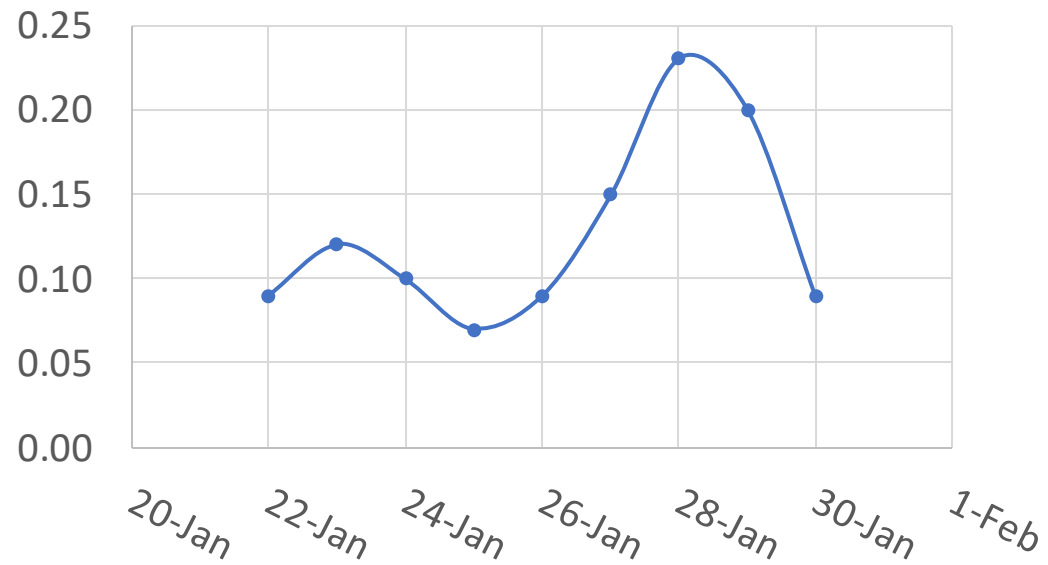


Why is irrigation scheduling challenging?


Daily ETo (in) - Camarillo




Daily ETo (in) - Camarillo









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English and Spanish

Adjusts the crop coefficient

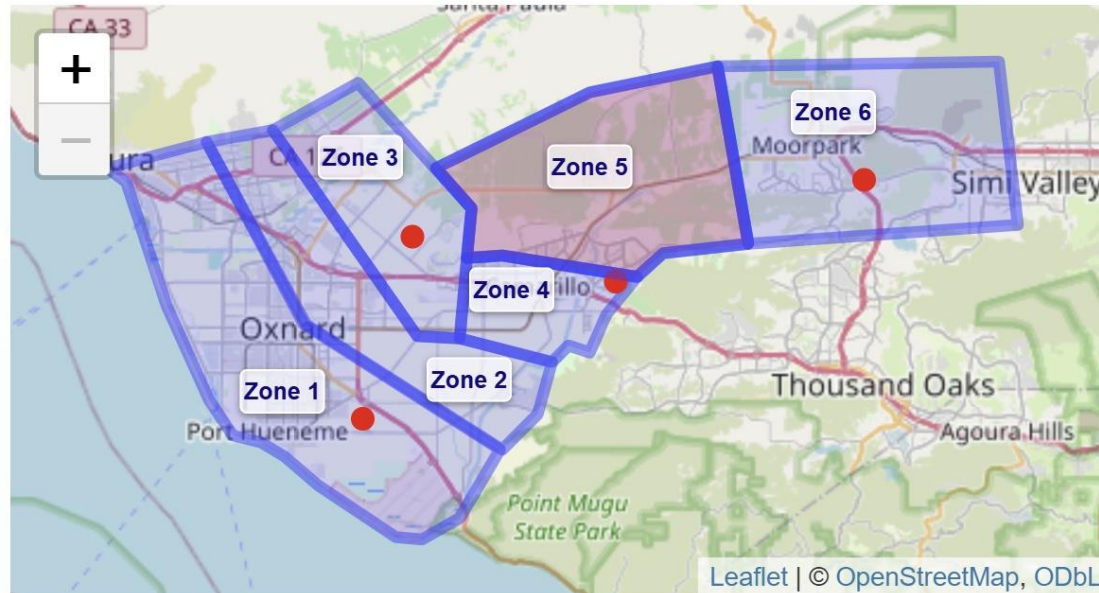
Collects ETo data since last irrigation

Converts volume to time

- ✓ Distribution Uniformity: 85%
- ✓ Leaching Fraction: 10%

ETo Zones Map

Below are the ETo Zones for Ventura. Click on a zone to use it. The red dots are weather stations.



Cancel

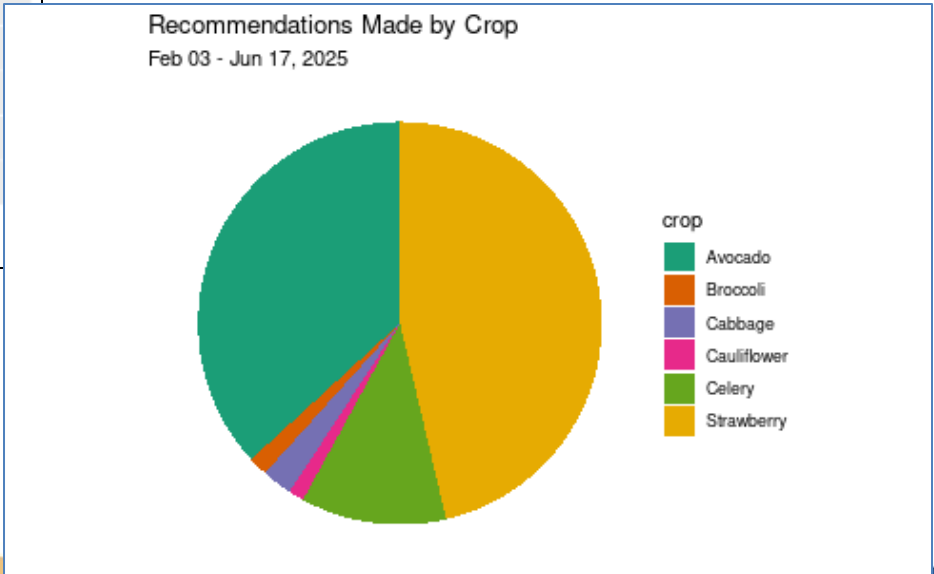
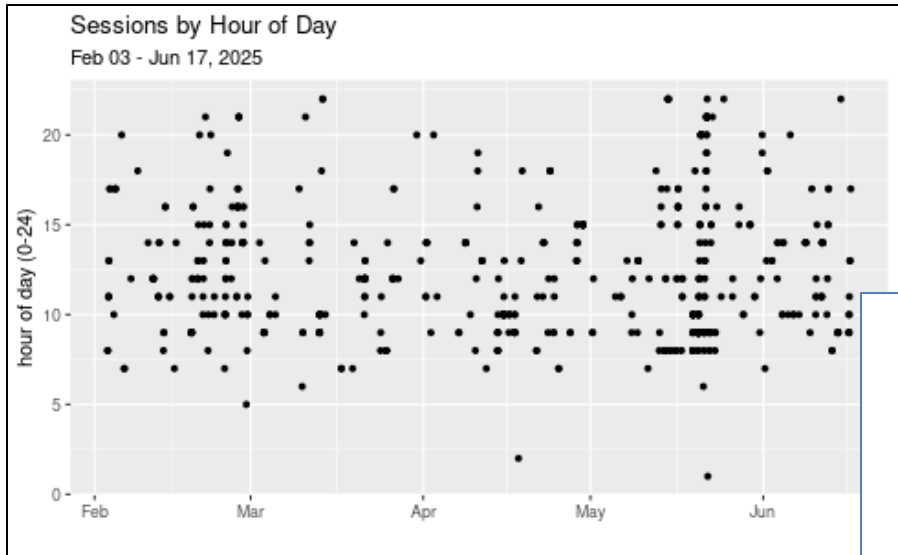
Use this zone



Example:

- Broccoli
- Canopy: 40-50%
- ETo Zone 3
- Last irrigation: Aug 18
- Application rate: 0.1 in/h

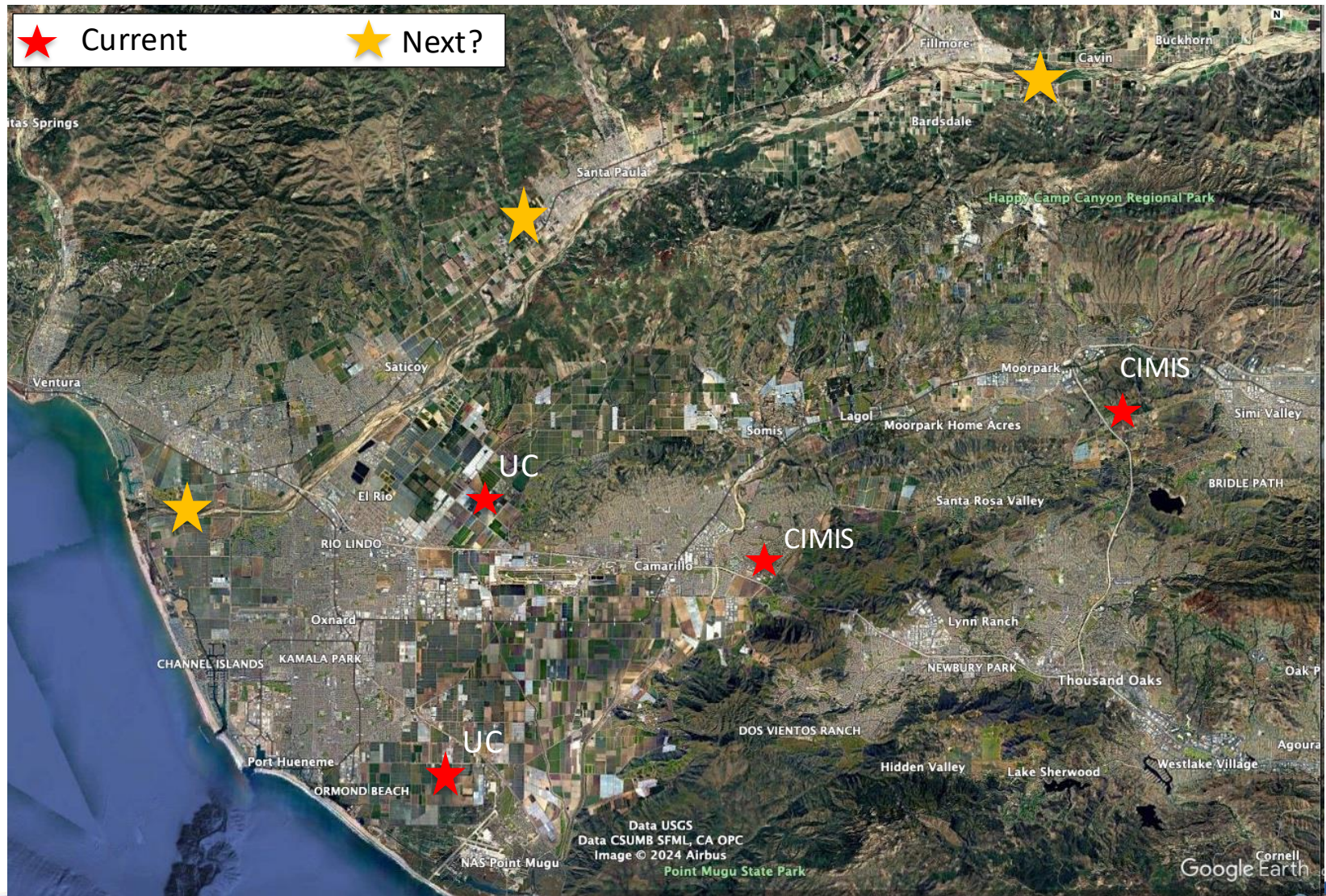
February 01 - June 17, 2025



Summary

- ✓ App is fully functional
- ✓ Beta-testing (volunteers?)
- ✓ Anticipated outcomes:
 - Increased adoption of data-driven management
 - Improved yield and orchard health
- ✓ Your feedback is important!

Ventura County ETo Stations

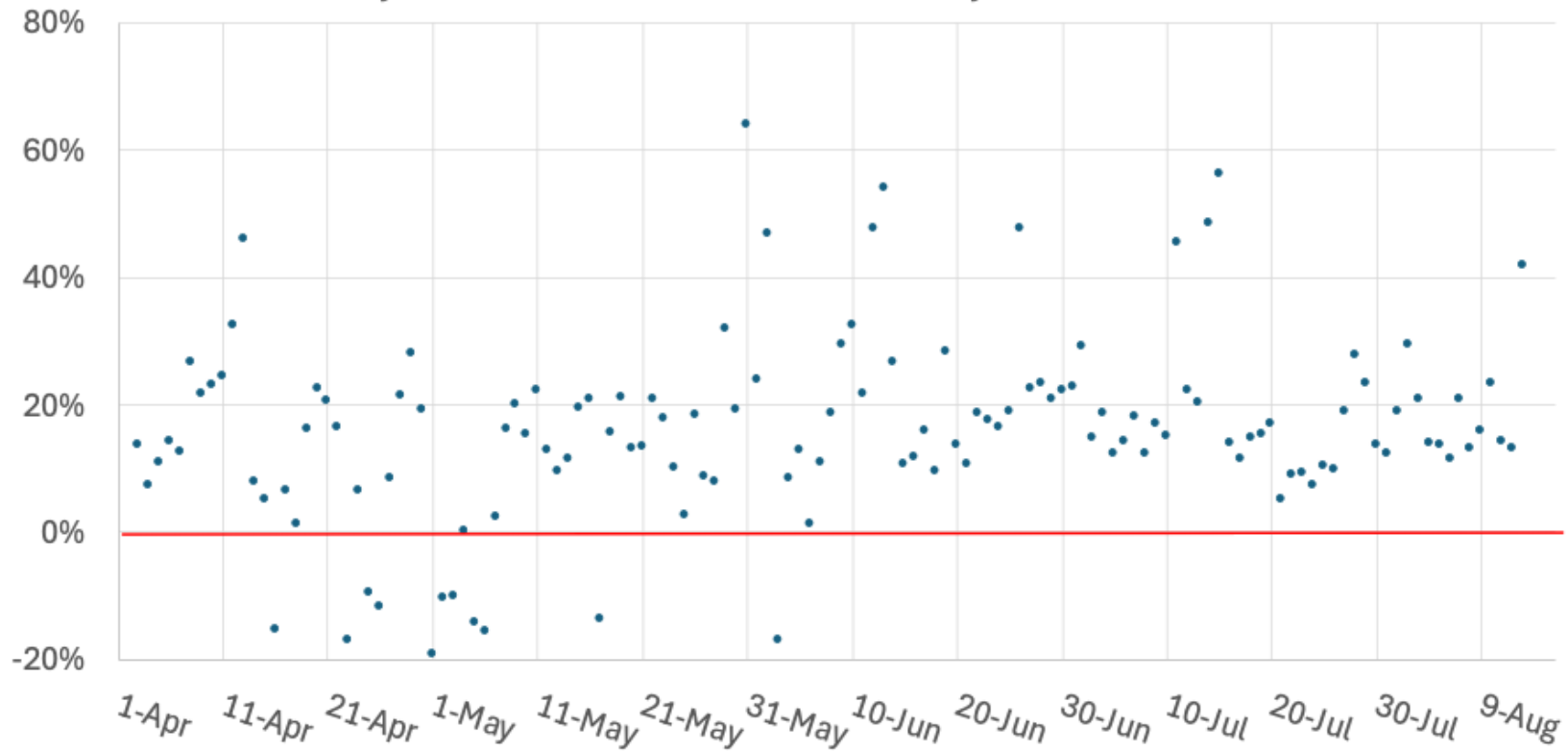


UC ANR Ventura Weather Stations

<https://ucanrventura.westernweathergroup.com/>



Daily ETo differences between Beardsley Rd and Hueneme Rd



- Average: Beardsley is 16% greater
- Beardsley is greater than 20% in 33.8% of the time
- Beardsley is greater than 40% in 7.5% of the time
- Hueneme is greater in only 8.3% of the days

Thank you!

Questions/comments?

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