



**KERN SPRING IRRIGATION WORKSHOP -- March 26, 2015**  
**UCCE Conference Room, 1031 S. Mt. Vernon Ave, Bakersfield 93307**  
**(Just south of the Ag Commissioner's Office)**

Co-sponsored by North-West Kern RCD Mobile Irrigation Lab

8:00-8:15 SIGN-IN/WELCOME

**ALMOND PRODUCTION UPDATE**

- 8:15-9:15 WATER USE: Almond yield by ET – update on statewide UCCE-Almond Board ET Production Function trials in Kern, Merced and Tehama Counties. Utility of remote sensing/aerial imagery, canopy temperature, pressure chamber stem water potential and “shrink/swell” trunk diameter for identifying plant stress. Dave Doll - UCCE Merced, Blake Sanden – UCCE Kern
- 9:15-9:30 NITROGEN MANAGEMENT: Almond Board CASP-SureHarvest nitrogen calculator. How to calculate soil carryover N for nitrogen management plans (NMP) required by Irrigated Lands Regulatory Program. Blake Sanden
- 9:30-9:45 SALINITY MANAGEMENT: Kern field examples – calculating reclamation and leaching fractions. Blake Sanden, UCCE Kern
- 9:45-10:05 ROOTSTOCK SALT TOLERANCE: UC Davis trials. Baris Kutman
- 10:05-10:30 BREAK

**PISTACHIO SALT TOLERANCE UPDATE**

- 10:30-10:50 2014 Western Kern County expanded field survey, Blake Sanden

**TECHNOLOGY FOR MONITORING IRRIGATION & PLANT STRESS**

- 10:50-12:15 PRESENTATIONS BY COMMERCIAL SERVICE PROVIDERS ASSISTING IN UCCE FIELD TRIALS
- CERES Imaging: Remote sensing/aerial imagery
  - SMARTFIELD: In-situ, single tree real time infrared canopy temperature
  - PHYTECH: Dendrometry, shrink/swell trunk diameter
  - CLIMATE MINDER / RAINBIRD: Weather station, capacitance soil moisture monitoring
  - JAIN IRRIGATION / PURESENSE: Weather station, capacitance soil moisture monitoring
  - HORTAU & IRROMETER: Tensiometric soil moisture monitoring.

**LUNCH – sponsored by service providers**

Service providers on-site to answer questions about their technology as it relates to your operation.  
(RSVP to [cekern@ucdavis.edu](mailto:cekern@ucdavis.edu) by 3/24 for a lunch head count)

*Blake Sanden, Irrigation and Agronomy Farm Advisor*  
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