

Farm irrigation systems and design fundamentals

Kearney Agricultural Research and Extension Center
Walnut room
9240 South Riverbend Avenue
Parlier, CA 93648
May 26, 2017

As an outcome of the winter 2017 Water Program Team meeting in Ontario, ANR academic staff prioritized continuing education needs including training in irrigation systems design and operation. This workshop is designed to provide ANR Advisors, Specialists and staff an introduction to irrigation systems, their design, operational considerations as well as discussion about specific applications in California's complex crop mix.

8:30 Registration and Continental

9:00 Elements of irrigation design: flow in pipes, TDH and system pressure losses - *D. Munk*

9:30 Pumping plant requirements: system pressure needs and management - *D. Zaccaria*

10:00 Effective farm water delivery systems: issues and observations- *Khaled Bali*

10:30 KARE Farm irrigation systems field visit – *Dale Pattigan*

11:15 Pump testing: how and why – *Ruth Dahlquist-Willard*

Return to Nectarine Room

11:45 Regional groundwater banking issues and economics– TBD

12:15 Lunch

ANR team building program: Extension, it's more than just talking - *P. Goodell*

1:00 Sprinkler irrigation design and management issues – *Mike Cahn*

1:30 Surface irrigation management that reduces nitrate leaching – *Marsha Campbell*

2:00 Subsurface drip irrigation design: experiences in alfalfa systems – *D. Putnam*

2:30 Overhead irrigation systems: Management using center pivot and linear move – *J. Mitchell*

3:00 Session wrap-up, discussion and questions *K. Bali/ D. Munk*

3:30 **Adjourn**

Please assist in meal count and RSVP to dsmunk@ucanr.edu