

Managing Drought, Irrigation, and Pests UC Davis Grains - Alfalfa/Forages Field Day

Tuesday, May 12, 2015, UC Davis Plant Sciences Research Farm, Davis, CA*

8:15-4:15 Includes Lunch

PCA Credits: 5 Hours (.5 Laws and Regs, 4.5 Other)

CCA Credits: 5 hours (1.5 soil/water, 2.5 Pest, .5 Crop mgt, .5 Prof. development)

8:15am – Noon: Small Grains Field Day

7:45 Registration (no charge)

8:15am – Noon: Small Grains Program

8:15 Welcome and Introductions (8:15-8:20)

8:20 New UC wheat varieties, wheat research—*Jorge Dubcovsky, UCD wheat breeder*

8:30 Issues for California Wheat –*Janice Cooper, California Wheat Commission*

Field Tour

8:55 Promising UCD Lines for Future Common Wheat Releases including Pest Resistance—*Oswaldo Chicaiza, UC Davis*

9:10 Durum Wheat Varieties improvements in Quality—*Alicia del Blanco, UC Davis*

9:25 Discovering genes for drought tolerance—*Tyson Howell*

9:35 Evaluation of high resistant starch wheat lines—*Brittany Hazard & Andre Schönhofen*

9:45 Global analysis for stripe rust resistance and drought tolerance—*Junli Zhang*

9:55 Statewide Germplasm Development and Evaluation – Wheat, Triticale, and Barley Yields, Performance and Pest Resistance. With participation from companies—*Phil Mayo, UC Davis*

10:45 Using barley to identify resistance genes to wheat stripe rust—*Josh Hegarty, UC Davis*

10:55 Combining two stripe rust resistance genes in a single locus—*Nicolas Cobo, UC Davis*

11:05 Advances in the oat breeding program—*Alicia del Blanco, UC Davis*

11:15 Malting barley varieties for a growing local brewing industry--*Alicia del Blanco & Lynn Gallagher, UC Davis*

11:35 Vernalization-requiring wheats for the Central Valley—*Cal Qualset, UC Davis*

11:45 Using wild ancestors and relatives of wheat for improvement—*Chad Jorgensen, UC Davis*

12:00 NOON – Barbeque Lunch –

Many thanks to California Crop Improvement for the Complementary Lunch!

Irrigation and Pest Management Strategies for Forages During a Drought

12:45-4:15 UC Davis Alfalfa/Forages Field Day

- 12:30 Welcome – *Ed Lewis, Associate Dean, UC Davis College of Agriculture, UC Davis*
12:40 Chlorpyrifos Use in Alfalfa and Statewide Trends—*Pete Goodell, UC IPM Program, Kearney Ag. Center, Parlier, CA*

1:00 Field Tour:

- 1:05 Irrigation Studies: Measuring Crop Use (ET)—How Much Water does Alfalfa Need for Maximum Yields? –*Daniele Zaccaria, UC Davis*
1:20 What are the best strategies for Partial Irrigation of Alfalfa During Drought?—*Dan Putnam, UC Davis*
1:35 Sorghum as an Water-Efficient Option for California – What are the Possibilities? – *Bob Hutmacher, UC Davis, and West Side Research and Extension Center, Five Points, CA*
1:50 Field Studies on New Weed Management Tools—*Mick Canevari UCCE Emeritus, Stockton, CA*
2:15 Strategies for Controlling Rodents in Alfalfa—*Roger Baldwin, Vertebrate Pest Specialist, UC Davis*
2:30 Insect Control Strategies in Alfalfa—*Larry Godfrey and Rachael Long, UC Davis and UCCE*
2:45 Subsurface Drip Irrigation in Alfalfa—What have we learned so far? Weed and Pest Implications?—*Dan Putnam, UC Davis*
3:00 Deficit Irrigation Studies, Seed Treatment Studies, Spacing Trials—*Dan Putnam, UC Davis*
3:15 Possibilities of Re-charging Groundwater in Alfalfa and Irrigated Pasture Fields in California—*Andrew Brown, Graduate Student, UC Davis.*
3:45 Crop Rotations of Alfalfa-wheat rotations and N Credits—*Eric Lin, Graduate Student, UC Davis*
4:00 Breeding alfalfa & Grasses for Forages—*Charlie Brummer, UC Davis Director, Plant Breeding Center*
4:15 New Alfalfa Variety Trials: Yield and Pest Management Implications of Varieties—*Dan Putnam, UC Davis*
4:30 Return to Base

Directions: The field Day is located on Hutchison Road, Davis, just west of town. Take 113 exit north from I80 or 113 south from Woodland. Turn west on Hutchison Road, take a right at the first roundabout, left at the second roundabout, the Agronomy Headquarters is about ¼ mile in a clump of trees and buildings on your left. Parking and registration is free and so is the barbeque lunch.

Daniel H. Putnam, PhD

Extension Agronomist and Forage Specialist
Department of Plant Sciences, MS #1, 2240 PES
University of California
One Shields Ave.
Davis, CA 95616
530-752-8982 phone
dhputnam@ucdavis.edu

see

<http://alfalfa.ucdavis.edu> for alfalfa & forage information