

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 (Sharpen as an Alternative Weed Management Option)—*Mick Canevari UCCE Emeritus, Stockton, CA*
2:10 Insect Control Strategies in Alfalfa—*Larry Godfrey and Rachael Long, UC Davis and UCCE*
2:35 Subsurface Drip Irrigation in Alfalfa—What have we learned so far? Weed and Pest Implications?—*Dan Putnam, UC Davis*
2:55 Strategies for Controlling Rodents in Alfalfa—*Roger Baldwin, Vertebrate Pest Specialist, UC Davis*
3:10 Our Experiences with Subsurface Drip Irrigation in Alfalfa, controlling weeds and gophers (grower)
3:35 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 Trial: 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.