

# University of California Small Grains - Alfalfa/Forages Field Day

Thursday, May 17, 2018, UC Davis Agronomy Field Headquarters  
2400 Hutchison Dr., Davis, CA 95616, Davis, CA

8:00-4:30 Includes Lunch

CEUs: 1.5 AM + 3 PM

## 8:00am – Noon: Small Grains Field Day

### 7:30 Registration (no charge)

### 8:00am – Noon: Small Grains Program

- 8:00 Welcome and Introductions—*Mark Lundy, CE Grain Cropping Systems Specialist*
- 8:05 Plant Sciences Future Developments—*Gail Taylor, Chair, UC Davis Department of Plant Sciences*
- 8:10 California Wheat Commission remarks—*Claudia Carter, Executive Director*
- 8:15 California Crop Improvement Association remarks—*John Palmer, Executive Director*
- 8:20 Depart for field (travel to breeding trials)

### Field Tour

### 8:45 – 11:50 Small grain breeding, variety evaluation and agronomic research

- 8:45 New wheat varieties with increased resistant starch—*Jorge Dubcovsky, UC Davis*
- 8:55 New wheat releases “Central Red” and “Desert Gold”—*Jorge Dubcovsky, UC Davis*
- 9:00 Improving barley malting varieties and oats—*Alicia del Blanco, UC Davis*
- 9:10 Organic wheat breeding and naked barleys—*Allison Krill-Brown, UC Davis*
- 9:20 Improving triticale for bread and forage—*Josh Hegarty, UC Davis*
- 9:30 Genetic regulation of wheat grain number—*Sarah Kuzay, UC Davis*
- 9:40 Genetic regulation of grain size and its effects on quality—*Alejandra Alvarez, UC Davis*
- 9:50 Travel to agronomic and variety testing trials
- 10:10 Nitrogen management in malting barley—*Taylor Nelsen, UC Davis*
- 10:20 Herbicide management demonstration trial in wheat—*Mariano Galla, UCCE*
- 10:30 Strategies for reducing mice damage in SDI systems during small grain crop rotations—*Konrad Mathesius, UCCE*
- 10:40 Updates on statewide small grain research and extension efforts, with comments on variety performance, pests and diseases, nitrogen management, and extension tools—*Mark Lundy and Nicholas George, UCCE/UCDavis*
- 11:05 New wheat entries in Regional trials—*Oswaldo Chicaiza, UC Davis*
- 11:15 Comments from breeders with entries in UC Regional trials
- 11:30 Trial observations
- 11:50 Return for lunch

### 12:00 Barbeque Lunch

Many thanks to California Crop Improvement Association for the complementary lunch!

## **12:30-4:00 Alfalfa/Forages Field Day**

**Thursday, May 17, 12:30-4:30**

12:30 Welcome and Introductions—*Dan Putnam, UCCE/UCD Alfalfa Specialist*

12:45 Statewide Nitrogen Management Survey—*Jessica Rudnick, UC Davis*

### **1:00 Field Tour:**

1:00 Overhead Sprinkler Studies with alfalfa & corn at UC Davis—*Isaya Kisekka, Department of Land Air and Water Resources, UC Davis*

1:15 Managing Water for Drought and Salinity: --*Michelle Leinfelder-Miles, UCCE, Stockton, CA*

1:30 Estimating the P and K Requirements of Alfalfa—*Daniel Geisseler, Department of Land Air and Water Resources, UC Davis*

1:45 Alfalfa Weevil Studies and IPM Approaches to Weevil Control—*Rachael Long, UCCE, Woodland, CA*

2:00 Kura Clover and Switchgrass Studies – *Dan Putnam, UC Davis*

2:05 Reduced Lignin Alfalfa Interactions with Harvest Scheduling – *Brenda Perez, Graduate Student, UC Davis*

2:20 Seedling Weed Management in Alfalfa – *Mariano Galla, UCCE Advisor, Orland, CA*

2:35 Fun with Drones, Sensors and Measurements: Monitoring Alfalfa for Growth, Pests, and Water Use—*Umair Gull, Graduate Student, UC Davis*

2:50 Producing Protein from Alfalfa for Human Consumption: Why Alfalfa is a potential ‘engine’ of world protein production –*Dan Putnam, UC Davis, Davis, CA*

3:00 Breeding Tall Fescue for Quality and Summer Dormancy and Objectives of the UC Davis Alfalfa Breeding Program– *Charlie Brummer, Professor and Director, UC Davis Plant Breeding Center, UC Davis.*

3:15 What is the Interaction between Irrigation Deficits and Varieties? *James Radawich, Graduate Student, UC Davis*

3:30 The Importance of Owls and Birds for Alfalfa Pest Management—*Sara Kross, California State University, Sacramento, CA*

3:45 An IPM Approach to gopher management in Alfalfa – *Roger Baldwin, UC Vertebrate Pest Specialist, UC Davis*

4:00 Weed Identification Contest – Test your Weed IQ! – *Lynn Sosnoskie, UCCE Advisor, Merced, CA*

4:15 Choosing Alfalfa Varieties for Maximizing Pest Resistance and Yield—Importance of Multiple Year Trials and Pest Ratings —*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 180 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.