

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

Wednesday, May 15, 2019

UC Davis Department of Plant Sciences Field Headquarters

2400 Hutchison Dr., Davis, CA 95616

8:00-4:30 Includes Lunch

CEUs: TBD

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

7:30 Registration (no charge)

8:00am – Noon: Small Grains Program

8:00 Welcome and Opening Remarks

8:20 *Depart for field (travel to breeding trials)*

### Field Tour

8:35 – 11:50 Small grain breeding, variety evaluation and agronomic research

8:35 Malting Barley & Oat Breeding: *Alicia del Blanco, UC Davis*

8:45 Barley Breeding for Food, Feed and Forage: *Allison Krill-Brown, UC Davis*

9:00 New Wheat Varieties: *Oswaldo Chicaiza, UC Davis*

9:15 Breeding Triticales for Bread and Forage: *Josh Hegarty, UC Davis*

9:25 Increasing Grain Size and Number: *Alejandra Alvarez, UC Davis*

9:35 A New Gene Controlling Number of Grains Per Spike: *Saarah Kuzay, UC Davis*

9:40 Balancing Source and Sink to Increase Yield: *Jorge Dubcovsky, UC Davis*

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10:00 Herbicide Programs for Barley and Wheat: small grain herbicides and maximizing efficacy for control: *Lynn Sosnoski, UC Cooperative Extension*

10:20 Italian Ryegrass: Updates on Cultivation vs Herbicide Trials: resistance and methods for control: *Konrad Mathesius, UC Cooperative Extension*

10:30 Warm-season legume cover crop between winter small grains: *Michelle Leinfelder-Miles, UC Cooperative Extension* (*This project was supported by the California Climate Investments program.*)

10:45 Using Nitrogen Rich Reference Zones to Guide Wheat Topdress Decisions in the Sacramento Valley: *Sarah Light, UC Cooperative Extension*

10:55 Yield and Protein Stability for Wheat and Triticale Varieties Grown under N and Terminal Drought Stress: *Mark Lundy, UC Cooperative Extension*

11:05 Updates on UC Statewide Small Grain Trials: Seasonal conditions, pests and diseases, nitrogen management, and extension efforts: *Mark Lundy, UC Cooperative Extension*

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11:15 Comments from breeders with entries in UC Statewide Small Grain Trials

11:30 UC Statewide Small Grain 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**

**Wednesday, May 15, 12:30-4:30**

**12:00 BARBEQUE LUNCH – Sponsored by CCIA – Many thanks to the staff at CCIA!**

12:40 Welcome and Introductions—*Dan Putnam, UCCE/UCD Alfalfa Specialist*

### **12:45 Begin Field Tour:**

12:50 Managing Alfalfa in a Wet Year- What are the Diseases?-How to Help your Fields Recover? *Rachael Long, UCCE Farm Advisor, Yolo County, Woodland, CA*

1:05 IPM and Managing for Weevil Resistance in Alfalfa – *Ian Grettenberger, Entomology Specialist, UC Davis, CA*

1:20 Evaluation of N Stabilizers in Corn –*Michelle Leinfelder Miles, UCCE Farm Advisor, Delta Region.*

1:35 Forage Sorghum as a Summer Option: Controlling Sugarcane Aphid in Sorghum/ Sudangrass—*Nick Clark, UCCE Farm Advisor, Kings/Fresno/Tulare Counties*

1:50 Innovations in Overhead Irrigation – How that might improve Water Use Efficiency—*Isaya Kisseka, UC Davis Professor, Irrigation Technology*

2:10 Fun with Drones –Detecting Pest and Diagnosing Problems with Aerial Photography—*Umair Gull, UC Davis Graduate Student, Plant Sciences.*

2:25 Controlling Difficult Weeds in Alfalfa—*Lynn Sosnoskie, UCCE Farm Advisor, Merced County.*

### **Location 2.**

2:50 Alternative Crops Research—Kura Clover, Switchgrass, Hemp—*Dan Putnam, UC Davis*

3:05 Reduced Lignin Alfalfa Varieties and Interactions with Harvest Scheduling—*Brenda Perez, Graduate Student UC Davis*

3:20 Analyzing Alfalfa Varieties for Pest Resistance (Nematodes, Insects, Diseases) and other characteristics—*Dan Putnam, UC Davis*

3:35 Alfalfa and Tall Fescue Breeding Programs at UC Davis –*Charlie Brummer and students, UC Davis.*

3:50 Test your Weed ID IQ: Weed Identification—*Brad Hanson, UC Davis*

4:15 Return to Headquarters

**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. Register on site. Parking and registration is free and so is the barbeque lunch.