

2023 UC Davis Small Grains and Alfalfa/Forages Field Day
May 11th, 7:30 a.m. – 3:30 p.m.
Supported by the California Crop Improvement Association (CCIA)

Department of Plant Sciences Field Facility, UC Davis
([2400 Hutchison Dr, Davis CA 95616](#), -121.7800)

CE Credits (TBD)

[REGISTER HERE](#) (no charge for event)

- 7:30 Sign-in** (*refreshments available*)
7:55 Welcome and Introductions (CCIA Directors Katy Soden and Timothy Blank)
8:00 Travel on Wagons to Field

Alfalfa/Forage/Biofuel Field Tour

- 8:10 Alfalfa Breeding Efforts at UC Davis**—*Charlie Brummer*
8:20 Choosing Varieties for Pest Resistance—*Dan Putnam, UC Davis*
8:30 IPM and Importance of Management of Insect Resistance in Alfalfa—*Ian Grettenberger, UC Davis*
8:40 Test your Weed IQ – Identification of weeds—*Brad Hanson, UC Davis*
8:55 Use of Compost to improve soils in alfalfa—*Michelle Leinfelder-Miles UCANR and UC Davis*
9:05 Sorghum Projects for Forage and Biofuels—*Jackie Atim, Kearney Research Center and UC Merced*
9:15 Improving agronomic and grain quality traits in sorghum, under well-watered and drought conditions—*Christine Diepenbrock, UC Davis*
9:35 Flood or Drought? Alfalfa Strategies for coping with California’s Future—*Dan Putnam UC Davis*
9:45 Teff as an Alternative Summer Forage Crop—*Dan Putnam, UC Davis*
9:50 Overhead Irrigation Technologies for Improved efficiency—*Isaya Kisekka, UC Davis*

Small Grains Field Tour Agenda

- 10:05 Updates from UC Davis small grains breeding program** *Jorge Dubcovsky (UC Davis)*
10:20 Effects of genotype and environment on productivity and quality in Californian malting barley *Maany Ramanan, Taylor Nelsen, Mark Lundy, Christine Diepenbrock, Glen Fox (UC Davis/UCCE)*
10:30 California Grain Foundation and research on food use of triticale *George Fohner (CA Grain Foundation)*
10:40 Small grain research update from Tulelake *Rob Wilson and Darrin Culp (UC Intermountain REC)*
10:55 Evaluating digestate and hydrolysate as alternative N sources in small grains *Valentina Roel and Cameron Pittelkow (UC Davis)*
11:05 Biosolids as a N fertilizer source in California small grains *Konrad Mathesius, Daniel Geisseler, Makina Savidge, Mark Lundy, Taylor Nelsen, Neil Andersen (UC Davis/UCCE)*
11:15 Helping farms in the Central Coast get nitrogen scavenging credits for cereal cover crops *Eric Brennan (USDA-ARS, Salinas) and Richard Smith (UCCE)*
11:25 DIY in-field plant tissue tests to determine N sufficiency in wheat *Karla Estrada (UC Davis)*
11:30 Updates on small grain research and production in the Central Valley *Mark Lundy (UC Davis/UCCE)*
11:45 Tour small grain variety trials
11:55 Depart for complementary lunch

12:10 - 1:10

CCIA Sponsored LUNCH

- 12:30 Welcome and Acknowledgements**
CCIA Directors Katy Soden and Timothy Blank
California Wheat Commissioner Chairman Bill Cruickshank

1:20 Depart for afternoon small grain breeding field day (see agenda on page 2)

2023 Small Grains Breeding Programs Field Day

The Small Grains Breeding field day will be in the afternoon!

May 11, 2023, 1:30 -3:30

Departure from BBQ in personal cars at 1:30 west on Hutchison see map below.



<https://www.google.com/maps/place/38%C2%B032'02.3%22N+121%C2%B047'53.1%22W/@38.5325894,-121.797092,932m/data=!3m1!1e3!4m6!3m5!1s0x8085286321001fd5:0x4c7bb3cf8dc3caea!7e2!8m2!3d38.533983!4d-121.7980754>

Afternoon Program

1:40 – 3:30.

1:40 **Modern Tools of plant breeding.** *Joshua Hegarty*

2:00 **Wheat program update.** *Joshua Hegarty / Jorge Dubcovsky*

2:15 **Triticale program update.** *Joshua Hegarty*

2:30 **Forage barley program organic trailing.** *Allison Krill*

3:00 **Malting barley and oat program updates.** *Alicia del Blanco*

Free time to visit research plots and talk with breeders.