

2024 UC Davis Small Grains and Alfalfa Field Day
May 9th, 7:30 a.m. – 1:30 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)

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

Continuing Education Units (CEUs):

3.0 CCA (1.5 Crop Management; 1 Soil & Water Management; 0.5 Nutrient Management)
1.5 Cdfa INMP (1 Irrigation Management; 0.5 Nitrogen Management)

- 7:30 **Sign-in** (*refreshments available*)
- 7:55 **Welcome and Introductions**—*Timothy Blank* (CCIA)
- 8:00 **Travel** on wagons to stop 1

Small Grain Breeding

- 8:20 **Barley and Oat variety development and plot tours**—*Alicia del Blanco* (UC Davis)
- 8:35 **Travel** to stop 2
- 8:40 **Overview of UC Davis small grains breeding program**—*Jorge Dubcovsky and Xiaofei Zhang* (UC Davis)
- 8:50 **Semi-dwarfing genes, Rht25 and APL2**—*Junli Zhang and Chaozhong Zhang* (UC Davis)
- 9:00 **Reduced allergenicity wheat**—*Maria Rottersman and Jorge Dubcovsky* (UC Davis)
- 9:10 **UAV use for improved efficiency in selections**—*Josh Hegarty* (UC Davis)
- 9:15 **Travel** to stop 3
- 9:20 **Wheat, triticale, and barley variety evaluations and plot tours**—*Josh Hegarty* (UC Davis)

Small Grain Agronomy

- 9:50 **Traits associated with yield stable small grain varieties**—*Josh Hegarty and Mark Lundy* (UC Davis/UCCE)
- 10:00 **Deficit irrigation and water productivity in small grains**—*Maya Shydrowski-Besmer and Mark Lundy* (UC Davis/UCCE)
- 10:10 **Agronomic considerations for winter cover cropping in annual systems**—*Sarah Light and Kosana Suvočarev* (UCCE/UC Davis)
- 10:20 **Tillage and perenniality effects on crop productivity and soil health**—*Kalyn Taylor and Mark Lundy* (USDA/UC Davis/UCCE)
- 10:30 **Digestate and hydrolysate effects on forage and grain yield response to nitrogen fertilizer in small grains**—*Valentina Roel Rezk and Cameron Pittelkow* (UC Davis)
- 10:40 **Herbicide resistant common chickweed in SJV of CA: New findings**—*Nicholas Clark* (UCCE)
- 10:50 **Travel** to stop 4

Alfalfa Agronomy and Breeding

- 11:00 **Fall dormancy and protein extraction from alfalfa**—*Dan Putnam and Chris DeBen* (UC Davis/UCCE)
- 11:10 **UC alfalfa non-dormant breeding for the Central Valley, and Low Deserts**—*Charlie Brummer and Cree King* (UC Davis)
- 11:20 **The effect of almond shell mulch application on established alfalfa fields**—*Sarah Light* (UCCE)
- 11:30 **Strategies for deficit irrigation in alfalfa**—*Dan Putnam* (UC Davis/UCCE)
- 11:40 **Irrigation Management & Soil Moisture Monitoring in Alfalfa**—*Charles Janssen* (UC Davis)
- 11:50 **Discussion**
- 12:00 **Travel** to lunch

12:15 - 1:30 **CCIA Sponsored LUNCH**

12:30 **Acknowledgements and Remarks**

UC Davis Department of Plant Sciences: Professor Daniel Potter

UC Agriculture and Natural Resources

CCIA: Directors Katy Soden and Timothy Blank

California Wheat Commission: Executive Director Claudia Carter

