2022 UC Davis Small Grains and Alfalfa/Forages Field Day
May 17th, 8:00 a.m. – 1:00 p.m.
(with tours of Small Grains Breeding plots to follow in the afternoon)
Department of Plant Sciences Field Facility, UC Davis
(2400 Hutchison Dr, Davis CA 95616, 209.265.2834)
CE Credits Offered (2.5 CCA, 2 INMP-CURES)
REGISTER HERE (no charge for event)

7:30 Sign-in (refreshments available)
8:00 Welcome and Introductions (John Palmer and Lauren Port, CCIA)
8:05 Travel on Wagons to Field

Alfalfa/Forage/Biofuel Field Tour
8:20 Breeding Alfalfa Varieties for Drought Tolerance and other Traits—Charlie Brummer and Matt Francis, UC Davis
8:30 Strategies for Coping with Drought in Alfalfa—Dan Putnam, UC Davis
8:40 Breeding Cool Season Grasses for Various Markets—Charlie Brummer, UC Davis
8:50 Switchgrass & Sorghum Field Trials—Bob Hutmacher, UC Davis and UC West Side Research and Extension Center, Five Points, CA
9:00 Novel Applications for Biofuels—Corinne Scown and Henrick Scheller, Joint Bioenergy Institute, Emeryville, CA
9:10 Producing Sorghum under Limited Water—Bob Hutmacher, UC Davis
9:20 Choosing Alfalfa Varieties for Pest Resistance and Yield. Dan Putnam, UC Davis
9:30 ‘Lightning Talks’ on UC Forage Projects
  o Utilizing Pre-Plant Treatments for Weed Management for Alfalfa Stand Establishment. Sarah Light, UCCE, Yuba City
  o Options for Alfalfa Weevil and the Importance of Controlling Resistance. Ian Grettenberger, UC Davis
  o Using Drones for Pest Management in Alfalfa—Rachael Long, UCCE, Woodland, CA
  o Technologies for Improving Water Use Efficiency with Overhead Irrigation—Isaya Kisekka, UC Davis
  o Using Compost on Alfalfa for Healthy Soils—Rad Schmidt, UC Davis
  o Soil Quality Considerations During Drought—Michelle Leinfelder-Miles, UCCE, Stockton, CA
10:00 Depart for Grain Plots

Small Grains Agenda
10:15 Updates from UC Davis Small Grains Breeding Program. Jorge Dubcovsky, Oswaldo Chicaiza, Josh Hegarty, Alicia del Blanco, Alison Brown
10:30 Quantifying environment and management impacts on yield differences between resistant starch (RS) and non-RS wheat varieties. Micah Levinson and Mark Lundy
10:40 Evaluating genotype x environment x management impacts on California malting barley quality. Maany Ramanan, Taylor Nelsen, Mark Lundy, Glen Fox, and Christine Diepenbrock
10:50 Bread quality and ecosystem sustainability implications for triticale use in milling applications. Santiago Tamagno, Claudia Carter, Cameron Pittelkow, George Fohner, Teng Vang, Josh Hegarty, Taylor Nelsen, and Mark Lundy
11:00 Assessing small grain forage productivity in diverse California environments. Mark Lundy, Micah Levinson, Taylor Nelsen, Michelle Leinfelder-Miles, Brian Marsh, Joshua Hegarty
11:10 Maximizing water productivity from winter cereal crops under water-limited conditions. Caitlin Peterson, Cameron Pittelkow, Mark Lundy
11:20 Demonstrating efficient N fertilizer in CA small grains. Mark Lundy, Taylor Nelsen, Konrad Mathiesius, Nicholas Clark, Sarah Light, Michelle Leinfelder-Miles, Giuliano Galdi, Thomas Getts, Joy Hollingsworth
11:30 Assessing DIY in-field plant tissue tests to determine N sufficiency in wheat. Leonardo Reynoso, Maya Shydowski-Besmer, Taylor Nelsen, Salvador Grover, Mark Lundy
11:40 Controlling herbicide resistant Italian ryegrass in California small grains. Konrad Mathiesius and Kevin Ross
11:50 Plot tours of small grain variety trials
12:00 CCIA Sponsored LUNCH. Welcome and Introductions (Gail Taylor, Chair, UC Davis Department of Plant Sciences; Claudia Carter, Executive Director, California Wheat Commission; Acknowledgement of Retirees)
2022 Small Grains Breeding Programs Field Day

This year the Small Grains Breeding field day will be in the afternoon!


Departure from Agronomy Head Quarter after BBQ in personal cars to

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 – 2:00. Oswaldo Chicaiza. New wheat varieties.
                   Organic wheat breeding program.
                   New oat varieties.

Free time to visit research plots and talk with breeders.