

2023 CWSS Annual Conference Agenda

Portola Hotel & Spa, Monterey, California

January 18 – 20, 2023

“Metal, Mixing, and Microchips: 75 Years of Weed Science”

DPR Approved Hours 3 Law/17.5 Other - Preconference Tour DPR 2.5 hours & CCA 3.0 hours approved
AZ, ID, OR, WA, CCA, GCSAA, ISA hours approved: MT, NV hours pending

TUESDAY, JANUARY 17, 2023

11:30am-5:00pm	Preconference Field Tour (separate registration required) <i>Richard Smith, UCCE & Kate Walker, FMC</i>
3:30pm-6:30pm	CONFERENCE REGISTRATION <i>Maryana Schmidt & Celeste Elliott, CWSS</i>
5:00pm-9:00pm	CONFERENCE EXHIBIT/POSTER SETUP <i>Josie Hugie, CWSS Director, JJH Solutions, LLC</i>

WEDNESDAY, JANUARY 18, 2023

7:00am-5:00pm	REGISTRATION AND CEU SIGN-IN/OUT <i>Maryana Schmidt & Celeste Elliott, CWSS</i> DE ANZA FOYER
7:00am-5:00pm	EXHIBITS AND STUDENT POSTERS – DE ANZA I & II / DE ANZA FOYER <i>Josie Hugie, CWSS Director, JJH Solutions, LLC</i>
7:00am-7:50am	STUDENT POSTER JUDGING
	ALL Wednesday SESSIONS will be held in DE ANZA III
7:55-8:00	Welcome to the Conference <i>C. Scott Stoddard, CWSS Vice-President, UC ANR</i>
8:00-10:00	SESSION A: WEED SCHOOL: WEED MANAGEMENT DURING A DROUGHT: WEED SHIFTS, PHYSIOLOGY, ADJUVANTS, AND HERBICIDES
8:00	Effects of Drought and Heat on Weeds and Weed Management <i>Kassim Al-Khatib, CE Specialist in Weed Science, UC ANR</i>
8:25	What are the Impacts of Warmer and Drier Conditions on Orchard Weed Management in CA? <i>Brad Hanson, CE Weed Specialist, UC ANR</i>
8:50	Why are Certain Annual Weeds, Hairy Fleabane, and Horseweed Being Observed Year-Round in SJV? <i>Anil Shrestha, Professor of Weed Science, CSU Fresno</i>
9:15	Improving Weed Management in Dry Conditions: Low Desert Experience Over the Decades <i>Steve West, Research Director, ID4AG</i>
9:40	Problems With Managing Algae and Aquatic Weeds in Irrigation Canals Under Drought Conditions <i>Nathan Hicks, UPL-NA, Inc., Environmental Solutions</i>
10:00-10:20am	Morning Break – Vendor Displays and Poster Viewing – DE ANZA I & II / DE ANZA FOYER
10:00-10:20am	STUDENT POSTER JUDGING
10:20-12:00pm	SESSION B: STUDENT RESEARCH UPDATES <i>Chair: Thomas Getts, CWSS Director, UCCE, Lassen County</i>
10:20	Evaluation of Weed Control Efficacy and Crop Safety of the New PPO-Inhibiting Herbicide, Tiafenacil in CA Orchard Cropping Systems <i>Guelta Laguerre, Graduate Student, UC Davis</i>
10:40	Behavior of Three Pendimethalin Formulations in Water After an Application onto Flooded Rice <i>Aaron Becerra-Alvarez, Graduate Student, UC Davis</i>
11:00	Can Cover Crops Suppress Weeds and Reduce Seedbanks? A Case of a Table Grape Vineyard <i>Margaret Fernando, Graduate Student, CSU Fresno</i>
11:20	Evaluating In-Season Management Strategies for Branched Broomrape Control in California Processing Tomatoes <i>Matthew Fatino, Graduate Student, UC Davis</i>
11:40	Germination of Common Waterhemp (<i>Amaranthus Tuberculatus</i>) Seeds as Influenced by Soil Environmental Factors, and Tolerance to Common Post Emergence Herbicides and Soil Salinity <i>Kelsey Galvan, Graduate Student, CSU Fresno</i>
12:00-1:30pm	LUNCH (on your own)
12:00-1:30pm	STUDENT LUNCHEON (by invitation) – PORTOLA ROOM
1:30-3:35pm	SESSION C: GENERAL SESSION: ROBOTICS AND ARTIFICIAL INTELLIGENCE <i>Chair: William Patzoldt, CWSS President, Blue River Technology</i>
1:30 (5 min intro)	Weeding Robots – Why Now? <i>William Patzoldt, Director of Agronomy, Blue River Technology</i>
2:05	From Man to Machine: Evolution of Weed Control Practices in Specialty Crop Production <i>Pauline Canteneur, Chief of Staff, FarmWise</i>
2:35	Economics of Automated Weeding <i>Aaron Smith, Professor, UC Davis</i>
3:05	Automated Weeders – A Grower’s Perspective <i>Josh Roberts, President, Triangle Farms, Inc.</i>
3:35-3:55pm	Afternoon Break - Vendor Displays & Poster Viewing – DE ANZA I & II
3:55-4:00pm	STUDENT AWARDS – Presented by Thomas Getts, CWSS Director, UCCE, Lassen
4:00-5:00pm	SESSION D: WHAT’S NEW IN WEED CONTROL <i>Chair: Kristina Madden, CWSS Secretary, Valent USA</i>
5:15-6:45pm	CWSS MEMBER RECEPTION (Hors d’oeuvres and no host bar) - DE ANZA BALLROOMS I & II

THURSDAY, JANUARY 19, 2023

7:00am-5:00pm	REGISTRATION AND CEU SIGN-IN/OUT – DE ANZA FOYER <i>Maryana Schmidt & Celeste Elliott, CWSS</i>
7:00am-5:00pm	EXHIBITS AND STUDENT POSTERS – DE ANZA I & II / DE ANZA FOYER <i>Josie Hugie, CWSS Director, JJH Solutions, LLC</i>
7:00am-7:30am	Coffee and Pastry Service – DE ANZA I & II

MORNING CONCURRENT SESSIONS

	DE ANZA BALLROOM III		BONSAI BALLROOM
8:00-9:40	SESSION E: AQUATICS <i>Chair: Dave Blodget, Alligare LLC</i>	8:00-9:40	SESSION F: TREE AND VINE <i>Chairs: Brad Hanson and Sara Ohadi, UC Davis</i>
8:00	The “Control Methods Test” (CMT): Collaborative Creative Management of Aquatic Weeds in the Tahoe Keys Marina <i>Lars W.J. Anderson, Consultant, Tahoe Keys Property Owner Association</i>	8:00	Postemergence Control of Alkaliweed in Pistachio Orchards <i>Phoebe Gordon, UCCE Orchard Crops Advisor, Merced/Madera Counties</i>
8:25	How Understanding the Fundamentals of Aquatic Ecology Allows Managers to Identify IMP Tactics to Combat Algae and Nuisance Vegetation <i>Eli Kersh, Laketech, Inc.</i>	8:25	The Impact of Supply Chain Issues on Resistance Management of Weeds in Conventional and Organic Production Systems <i>Lorianne Fought, Western Crop Research Manager, Wilbur-Ellis Co.</i>
8:50	Herbicide Studies to Manage Aquatic Weeds in the California Delta <i>John Madsen, USDA ARS</i>	8:50	Herbicides and Tankmix Partners for Management of Yellow Nutsedge in Orchards and Vineyards <i>Ben Duesterhaus, Tech Svc Rep, Mid Valley Ag Svcs</i>
9:15	Pre-emergent Weed Control in and Around Irrigation Canals <i>Russell Spence, Allied Weed Control</i>	9:15	Evaluation of Pyroxasulfone and Other PRE Herbicides in California Orchard Crops <i>Andres Contreras Jr., Graduate Student, UC Davis</i>
9:40-10:00	Morning Break – Vendor Displays & Poster Viewing	9:40-10:00	Morning Break – Vendor Displays & Poster Viewing
10:00-11:40	SESSION G ORGANIC WEED CONTROL <i>Chairs: Kate Walker, FMC and Richard Smith, UCCE Monterey County</i>	10:00-11:40	SESSION H: ROADSIDES, UTILITIES, AND INDUSTRIAL SITES <i>Chairs: Rick Miller, Corteva and Jason Robbins, Target-Specialty Products</i>
10:00	Update on Organic Production and the New UC Organic Agriculture Institute <i>Houston Wilson, UC Organic Agriculture Institute</i>	10:00	Adjuvant Basics – Understanding Classification and Terminology <i>David Bower, Specialty Products Manager, Brandt</i>
10:25	Laserweeding: The Future of Weed Control <i>John Mey, VP of Product, Carbon Robotics</i>	10:25	Considerations When Preparing a Pest Control Recommendation for Herbicide Use in Non-Crop Sites <i>Bob Brenton, Brenton VMS</i>
10:50	Evaluation of Electrical Weed Control Machine in Organic Orchards <i>Tong Zhen and Brad Hanson, Dept. of Plant Sciences, UC Davis</i>	10:50	When Weed Control Really Matters: Efficacy of Organic Herbicides on Difficult to Control Weeds and Sites <i>Chris McDonald, UC ANR</i>
11:15	Organic Weed Control in Carrots <i>Kimberly G. Horton, Agronomy Manager, Taylor Farms, Salinas, CA</i>	11:15	The Glyphosate Update: What Does the Future Hold? <i>Rick Miller, Corteva Agriscience</i>
11:40am-1:00pm	CWSS BUSINESS & AWARDS LUNCHEON - DE ANZA BALLROOMS I & II <i>William Patzoldt, CWSS President, Blue River Technology</i>		

AFTERNOON CONCURRENT SESSIONS

	DE ANZA BALLROOM III		BONSAI BALLROOM
1:10-2:55	SESSION I: TURF AND ORNAMENTAL <i>Chairs: James Hempfling, Bayer and Clebson Goncalves, UC ANR</i>	1:10-2:55	SESSION J: AGRONOMY <i>Chair: Stephen Colbert, Corteva Agriscience</i>
1:10	Simulation-based Nozzle Density Optimization for Maximized Efficacy of Machine-Vision Based Weed Control System for Applications in Turfgrass Settings <i>Pawel Petelewicz, University of Florida</i>	1:10	Is ALS Inhibitor Herbicide Resistant Common Chickweed a Problem in California Small Grain Production? <i>Nick Clark, UCCE, Kings County</i>
1:35	Use of an Agricultural Spray Drone in Managed Turfgrass Systems <i>Daewon Koo, Virginia Tech</i>	1:35	Weed Management Updates in Rice 2022 <i>Whitney Brim-DeForest, UCCE, Sutter & Yuba Counties</i>

2:00	Integrated Pest Management Effects on Weed Populations Managed Without Herbicides in the Pacific Northwest <i>Emily Braithwaite, Oregon State University</i>	2:00	Impacts of Simulated Non-Target Floryprauxifen-benzyl Drift in California Orchard and Vineyard Crops <i>Deniz Inci, Ph.D Candidate, UC Davis</i>
2:25	Turfgrass Weed Management without Synthetic Herbicides <i>Clebson G. Goncalves, UCCE, Lake & Mendocino Counties</i>	2:25	Palmer amaranth Integrated Management in Upland Cotton <i>Jose Dias, Extension Weed Specialist, University of Arizona</i>
2:55-3:15	Afternoon Break – Vendor & Poster Viewing	2:55-3:15	Afternoon Break – Vendor & Poster Viewing
3:15-4:55	SESSION K: FORESTRY, RANGE AND NATURAL AREAS <i>Chairs: Scott Oneto, UCCE and Sonia Rios, Bayer</i>	3:15-4:55	SESSION L: VEGETABLE CROPS <i>Chairs Steve Fennimore, UC Davis, Salinas, and C. Scott Stoddard, UCANR</i>
3:15	Release and Establishment of New Biological Control Agents of Weeds of Forests, Rangelands and Natural Areas in California <i>Patrick Moran, USDA-ARS</i>	3:15	The Essential Role of Dacthal (DCPA) in Onions <i>Richard Smith, UCCE Monterey</i>
3:40	Winter Annual Grass Control with Indaziflam: Successes and Challenges in NE California <i>Tom Getts, UC ANR</i>	3:40	Dacthal, Dual, and Zeus Herbicide Efficacy Trials in Brassica Crops <i>Steve Fennimore, UCCE Weed Specialist</i>
4:05	Vegetation and Weed Management Programs for the Private Landowner and Beyond <i>Dave Haas, Cal-Fire</i>	4:05	Yellow Nutsedge Management in Plasticulture Production Systems <i>Oleg Daugovish, UCCE, Ventura County</i>
4:30	Examining the Potential Benefits of Dusting Rangelands with Compost for Weed Suppression <i>Scott Oneto, UC ANR</i>	4:30	Dacthal Registration Review – Registrants Perspective <i>Anne Tournbough, VP of Regulatory Affairs, Amvac</i>

FRIDAY, JANUARY 20, 2023

7:00am-11:15am	REGISTRATION & CEU SIGN-IN/OUT – DE ANZA FOYER <i>Maryana Schmidt & Celeste Elliott, CWSS</i>
7:00am-7:30am	Coffee & Pastry Service – DE ANZA FOYER
	DE ANZA BALLROOM III
7:30-11:50	SESSION M: LAWS & REGULATIONS <i>Chair: Karey Windbiel-Rojas, Associate Director of Urban & Community IPM, UC ANR</i>
7:30	Santa Cruz County's Pesticide Notification Pilot Project <i>Juan Hidalgo, Santa Cruz County Agricultural Commissioner</i>
8:30	Monterey County Field Fumigations Overview <i>Sergio Flores Reyes, Monterey County Agricultural Commissioner's Office</i>
9:30-9:50	Morning Break
9:50	PPE Regulation for Pesticide Application: Title 3 CCR Section 6738 <i>Rais Akanda, Environmental Scientist, DPR</i>
10:50	Closed Mixing System and Personal Protective Equipment Regulations <i>Kelly Amodeo, Industrial Hygiene Program, CDPR</i>
11:50am-12:00pm	ADJOURN and turn in CEU scantrons