

CWSS 2021 ANNUAL CONFERENCE (VIRTUAL EDITION)

“A Virtual Conference to Discuss Real-World Weed Management”

Program Chair: Dr. Anil Shrestha, CWSS Vice President, California State University, Fresno

Online content is available to registered attendees from January 25th through February 26th, 2021

(12 DPR hours approved, including 3.5 laws. CCA, Arizona, ISA, GCSAA hours approved)

Laws and Regulations

Approvals: DPR – 3 hrs Law: CCA 3 hrs IPM: AZ Ag & PMD – 3 hrs: ISA – 3 hrs

Chairs: Karey Windbiel and Anna Katrina Hunter, UCANR

Pesticide Research Authorization Processes in California Shengjun Lu, CDPR, Sacramento, CA (30 minutes)

Common Pesticide Use Violations Allison Klein, Marin County Agricultural Commissioner's Office, Marin, CA (30 minutes)

Respiratory Protection Lisa Blecker, UC Statewide Integrated Pest Management Program, Davis, CA (30 minutes)

Safe Pesticide Storage, Transport and Disposal Sarah Hirnyck, UC Statewide Integrated Pest Management Program, Davis, CA (30 minutes)

Decontamination Sites for Employees Handling Pesticides Emma Colson, CDPR, Sacramento, CA (30 minutes)

Chemical Resistant Glove Selection Lisa Blecker, UC Statewide Integrated Pest Management Program, Davis, CA (30 minutes)

Weed School: Adjuvants Update

Approvals: DPR – 2 hrs Other: CCA 2 hours IPM: AZ– 2 hrs Ag & PMD: ISA - 1 hr

Chair: Anil Shrestha, CWSS Vice President, CSU, Fresno

Adjuvants 101: Understanding the Use and Application of Adjuvants Kassim Al-Khatib, University of California, Davis, CA (25 minutes)

Pesticide Formulation Trends and How They are Impacting the Use of Spray Adjuvants Johnnie Roberts, Helena Agri-Enterprises, Memphis, TN (25 minutes)

Role of Adjuvants in Managing Herbicide-Resistant Weeds Bryan Young, Purdue University, West Lafayette, IN (25 minutes)

Importance of Water Quality on Herbicidal Efficacy Thomas Mueller University of Tennessee, Knoxville, TN (25 minutes)

Minimizing Herbicide Drift with Surfactants Peter Larbi, ANR, University of California, Parlier, CA (25 minutes)

Vegetable Session

Approvals: DPR: 1 hr Other: CCA – 1 hr IPM: AZ – 1 hr Ag & PMD

Chairs: Elizabeth Mosqueda, CSU, Monterey Bay & Richard Smith, UCCE

Centimeter Scale Resolution Spot Sprayer for Precision In-Row Weed Control Mark Siemens, University of Arizona, AZ (15 minutes)

Intelligent Weed Management for Leafy Greens Elizabeth Mosqueda, California State University, Monterey Bay, CA (15 minutes)

The Role of Crop Sequence and Herbicide Choices in Managing Yellow Nutsedge During Years Preceding Onion Joel Felix, Oregon State University, Ontario, CA (15 minutes)

Development of a Selective Organic Herbicide for Vegetables and Other Crops Louis (Lucho) G Boddy, Marrone Bio. Innovations, Davis, CA (15 minutes)

Forestry, Range, and Natural Areas Session

Approvals: DPR – 1 hr Other: CCA– 1 hr IPM: ISA – 1 hr

Chairs: Julie Finzel & Rebecca Ozeran, UCANR

Using Prescribed Fire for Weed Management and Land Stewardship in California Lenya Quinn-Davidson, UC Cooperative Extension, Humboldt, Siskiyou, Trinity and Mendocino Counties; and Jeff Stackhouse, UC Cooperative Extension, Humboldt and Del Norte Counties, CA (30 minutes)

Encroachment and Management of Western Juniper Laura Snell, UC Cooperative Extension, Modoc County; and David Lile, UC Cooperative Extension, Lassen County, CA (30 minutes)

Tree and Vine Session

Approvals: DPR – 1 hr Other: CCA – 1 hr IPM: AZ – 1 hr Ag: ISA – 1 hr

Chairs: Leigh Ann Harrison, BASF & Sonia Rios, UCANR

Herbicide Resistance, Multiple Resistance, and Cross-Resistance, How Does That Affect Weed Management in California Orchards? Brad Hanson, University of California, Davis, CA (15 minutes)

Weed Management in Avocados Ben Faber, UC Cooperative Extension, Ventura, CA (15 minutes)

Grower Application Considerations on Tough Orchard Weed Species Wes Asai, Wes Asai Pomology Consulting, Turlock, CA (15 minutes)

What I Learned - UC Weed Science 1983-2020 John Roncoroni, UCCE Viticulture Weed Science Farm Advisor Emeritus, Davis, CA (15 minutes)

Turf and Ornamental Session
Approvals: DPR – 1 hr Other: CCA – 1 hr IPM: GCSAA - 1 hr: AZ - 1 hr Ag & PMD
Chairs: Kai Umeda, Univ of AZ & James Hempfling, Bayer
Organic Herbicides in Turf Weed Management <i>Kai Umeda, University of Arizona, Phoenix, AZ (15 minutes)</i>
New Herbicides for Weed Control in Fine Fescue Naturalized Areas <i>Maggie Reiter, University of Minnesota, Minneapolis, MN (15 minutes)</i>
What's Old and New in Annual Bluegrass Control <i>Pawel Orłinski, University of California, Riverside, CA (15 minutes)</i>
Herbicides for Postemergence Control of Kikuyugrass in Bermudagrass Turf <i>Pawel Petelewicz, University of California, Riverside, CA (15 minutes)</i>
Agronomic Crops Session
Approvals: DPR – 1 hr Other: CCA – 1 hr IPM: AZ – 1 hr Ag
Chairs: Kevin Caffrey, BASF & Whitney Brim-DeForest, UCCE
Pendimethalin Mode of Action Review (HRAC 3) and Use in CA Agronomic Crops <i>Kevin Caffrey, BASF (15 minutes)</i>
Paraquat Mode of Action Review (HRAC 22) and Use in CA Agronomic Crops <i>Garrett Gilcrease, Syngenta (15 minutes)</i>
Flumioxazin Mode of Action Review (HRAC 14) and Use in CA Agronomic Crops <i>Pat Clay, Valent (15 minutes)</i>
Sulfonylurea Mode of Action Review (HRAC 2) and Use in CA Agronomic Crops <i>Stephen F. Colbert, Corteva (15 minutes)</i>
Aquatics Session
Approvals: DPR - 0.5 hr Law/0.5 hr Other: CCA – 1 hr IPM: AZ– 1 hr Ag & PMD
Chairs: Eli Kersh, Alligare & John Madsen, USDA ARS
Overview of the Statewide NPDES Permit for Residual Aquatic Pesticide Discharges from Aquatic Weed and Algae Control Applications <i>Gurgagn (Gur) Chand, State Water Resources Control Board, Sacramento, CA (20 minutes)</i>
Mitigating Groundwater Contamination: Regulations and Management Practices <i>Rick Bergin, CDP, Sacramento, CA (20 minutes)</i>
The Search for an Acceptable Herbicide to Control Brazilian Egeria in the Sacramento-San Joaquin River Delta <i>John D Madsen, USDA ARS, Davis, CA (20 minutes)</i>
Roadsites, Utilities, and Industrial Sites Session
Approvals: DPR – 1 hr Other: CCA – 1 hr IPM: AZ – 1 hr Ag & PMD: ISA – 1 hr
Chair: Rick Miller, Corteva
Comparison of Mowing vs. Herbicides <i>Rick Miller, Corteva (30 minutes)</i>
Management of Annual Grasses for Wildfire Prevention <i>Chris McDonald, University of California and Natural Resources, San Bernardino, CA (30 minutes)</i>