

“Meeting the Challenge for a Hungry World: Weed Management Strategies in the Coming Decade”

Portola Hotel & Spa / 2 Portola Plaza / Monterey, CA

January 22-24, 2014

20 CDPH HOURS APPROVED, INCLUDING 4 LAWS & REGS**Arizona, Idaho, Montana, Nevada, Washington, CCA, GCSAA hours approved**Tuesday, JANUARY 21, 2014

5:00pm-8:00pm	CONFERENCE REGISTRATION <i>Judy Letterman & Celeste Elliott, CWSS</i> DE ANZA FOYER
4:00pm-8:00pm	CONFERENCE EXHIBIT/POSTER SETUP <i>Josie Hugie, CWSS Director, Wilbur-Ellis Co.</i> DE ANZA BALLROOM I & FOYER

Wednesday, JANUARY 22, 2014

7:00am-5:00pm	REGISTRATION AND CEU SIGN-IN/OUT <i>Judy Letterman & Celeste Elliott, CWSS</i> DE ANZA FOYER
7:00am-5:00pm	EXHIBITS & POSTER VIEWING <i>Josie Hugie, CWSS Director, Wilbur-Ellis Co.</i> DE ANZA BALLROOM I & FOYER
DE ANZA BALLROOM III	
7:30-10:30am	SESSION A: WEED SCHOOL - Weed Resistance Overview <i>Moderators: Brad Hanson, UC Davis & Curtis Rainbolt, BASF</i>
7:30	Welcome to the Conference <i>Rick Miller, CWSS Vice-President, Dow AgroSciences</i>
7:35	Weed School Introduction <i>Brad Hanson, University of California, Davis</i>
7:40	1 CA Perspective. <i>Brad Hanson, University of California, Davis</i>
8:25	2 National Perspective. <i>Stanley Culpepper, University of Georgia</i>
9:10	3 Mechanisms of Resistance. <i>Albert Fischer, University of California, Davis</i>
10:00-10:30am	Morning Break
10:30-12:00pm	SESSION B: STUDENT ORAL PRESENTATIONS <i>Moderator: Oleg Daugovish, CWSS Director, UC Cooperative Extension</i>
10:30	Mechanism of Propanil Resistance in <i>Cyperus difformis</i> L. <i>Rafael Pedroso, University of California, Davis</i>
10:45	Management Strategies of Potential Herbicide Resistant Weeds in Cotton in the San Joaquin Valley. <i>Gerardo Banuelos, California State University, Fresno</i>
11:00	Increasing Prevalence of Palmer Amaranth in the San Joaquin Valley: Evaluating for Glyphosate Resistance. <i>Sonia Rios, California State University, Fresno</i>
11:15	Distribution of Glyphosate-Resistant Junglerice in Central Valley & its Management in Tree Crops. <i>Marcello Moretti, University of California, Davis</i>
11:30	Responses of C4 Waterhemp and C3 Cotton to Ozone and Moisture Stress: Contribution to a Developing Weed Problem? <i>Rama Paudel, California State University, Fresno</i>
11:45	Evaluation of Saflufenacil on Growth Stage of Glyphosate Resistant Hairy Fleabane. <i>Michelle Dennis, California State University, Fresno</i>
12:00-1:30	LUNCH – ON YOUR OWN
1:30pm-3:30pm	SESSION C: GENERAL SESSION: <i>Moderator: Steven Fennimore, CWSS President, UC Cooperative Extension</i>
1:30	Herbicide Resistance Management – Human Dimensions to an Evolving Problem. <i>David Shaw, Mississippi State University</i>
2:00	How Plants Talk and Why We Should Listen. <i>Clarence Swanton, University of Guelph, Ontario, Canada</i>
2:30	Management of Invasive Aquatic Weeds Using Pre-emergent Herbicides in the Friant-Kern Canal. <i>Eric R. Quinley, Friant Water Authority</i>
3:00	Unmanned Aerial Vehicles for Weed Management Applications. <i>Ken Giles, University of California, Davis</i>
3:30 – 4:00pm	Afternoon Break
4:00pm-5:00pm	SESSION D: WHAT’S NEW IN WEED CONTROL <i>Moderator: Ben Duesterhaus, Mid Valley Ag Services</i>
5:15pm-6:45pm	CWSS MEMBER RECEPTION ROOM - DE ANZA BALLROOMS I & II <i>John Roncoroni, CWSS Secretary, UC Cooperative Extension & Judy Letterman, CWSS Business Manager</i>

Thursday, JANUARY 23, 2014

7:00am-5:00pm	REGISTRATION AND CEU SIGN-IN/OUT <i>Judy Letterman & Celeste Elliott, CWSS DE ANZA FOYER</i>
7:00am-5:00pm	EXHIBITS AND POSTER VIEWING <i>Josie Hugie, CWSS Director, Wilbur-Ellis Co. DE ANZA I & FOYER</i>

MORNING CONCURRENT SESSIONS

	DE ANZA BALLROOM III		BONSAI BALLROOM
7:30-9:10	SESSION E: TREE & VINE <i>Moderators: Ryan Bounds, Syngenta; Larry Bettiga, UC Cooperative Extension and Dawn Brunmeier, BASF</i>	7:30-9:10	SESSION F: AQUATICS <i>Moderators: Dave Blodget, SePRO; Mike Blankinship, Blankinship & Associates and Joel Trumbo, California Dept of Fish & Wildlife</i>
7:30	Overview of New Active Ingredient Technology. <i>Ryan Bounds, Syngenta</i>	7:30	Fish Toxicity Risk for Commonly Used Aquatic Herbicides. <i>Joel Trumbo, California Department of Fish & Wildlife</i>
7:50	Weed Control in North Coast Vineyards. <i>John Roncoroni, UC Cooperative Extension</i>	7:50	Impacts of Harmful Algal Blooms on Humans and their Environment. <i>Ben Willis, SePRO Corporation</i>
8:10	Weed Management in Trees and Vines. <i>Mick Canevari, UC Cooperative Extension</i>	8:10	Update on Eradication of Hydrilla in California. <i>Pat Akers, California Department of Food & Agriculture</i>
8:30	Herbicide Phytotoxicity in Tree & Vine. <i>Brad Hanson, University of California, Davis</i>	8:30	The 2014 NPDES Aquatic Pesticide Permit. <i>Mike Blankinship, Blankinship & Associates</i>
8:50	Resistance Management in Tree & Vine. <i>Kurt Hembree, UC Cooperative Extension</i>	8:50	Aminopyralid Studies for Aquatic Registration Submission. <i>Vanelle Peterson, Dow AgroSciences</i>
9:10-9:30	Morning Break	9:10-9:30	Morning Break
9:30-11:10	SESSION G: SPRAYER TECHNOLOGY <i>Moderators: Dick DuBey, SprayTec; Kurt Hembree, UC Cooperative Extension and Joe Schmitt, Target Specialty</i>	9:30-11:10	SESSION H: ROADSIDES, UTILITIES, & INDUSTRIAL SITES <i>Moderators: Jason Robbins, Target Specialty; Bob Brenton, Brenton VMS and Chuck Jeffries, Integra</i>
9:30	Monitoring Droplet Size to Minimize Drift. <i>Marty Wagner, TeeJet</i>	9:30	Effect of Regulations on Vegetation Management in the Santa Clara Valley. <i>Mark Wander, Santa Clara Valley Water District</i>
9:50	Demonstrating Drift Reducing Nozzles for Adoption in Foothill Vineyards. <i>Lynn Wunderlich, UC Cooperative Extension</i>	9:50	Maximizing Herbicide Efficacy, with a Section on Minimizing Drift. <i>Lynn Sosnoskie, UC Davis</i>
10:10	Individual Nozzle Control Combined with Variable Rate and GPS for Boom Spraying. <i>Ken Rost, Frost Services, Inc.</i>	10:10	Challenges to Vegetation Management in the Bay Area. <i>Bill Nantt, CalTrans</i>
10:30	Injection Rig Technology Update. <i>Dick DuBey, Spray Tec</i>	10:30	Weed Resistance Update in Non-crop Areas. <i>Anil Shrestha, Fresno State University</i>
10:50-11:10	Monitoring Nozzle Flows to Avoid Streaks and Skips. <i>Marty Wagner, TeeJet</i>	10:50-11:10	Selective Plant Removal and Management in Utility ROW. <i>Nelsen R. Money, NRM-VMS, Inc.</i>
11:30am-1:00pm	CWSS BUSINESS & AWARDS LUNCHEON - DE ANZA BALLROOMS I & II <i>Steven Fennimore, CWSS President, UC Davis</i>		

AFTERNOON CONCURRENT SESSIONS

	DE ANZA BALLROOM III		BONSAI BALLROOM
1:10-2:55	SESSION I: TURFGRASS & LANDSCAPE <i>Moderators: John Law and Dave Hanson, ValleyCrest Landscape Maintenance</i>	1:10-2:55	SESSION J: AGRONOMY <i>Moderators: Deb Shatley, Dow AgroSciences; Steve Wright and Andre Biscaro, UC Cooperative Extension</i>
1:15	Teas, Mulches and Other Biorational Options in Landscape. <i>Jim Downer, UC Riverside</i>	1:15	Global Rice Weed Management Issues and California Stale Seed Beds. <i>Bruce Lindquist, UCCE Davis</i>
1:35	Post-emergence Weed Control in Turf with Tenacity® Herbicide. <i>Dean Mosdell, Syngenta</i>	1:35	A Learning Cycle in Global Weed Management. <i>Anil Shrestha, Fresno State University</i>
1:55	Formulation Improvements Enhance Products Used in Specialty Markets. <i>Kathie E. Kalmowitz, BASF</i>	1:55	New Developments in Alfalfa Weed Management. <i>Steve Orloff, UC Cooperative Extension</i>
2:15	Weed Control, Stormwater Regulations and Bioswales. <i>John Law, ValleyCrest Landscape Maintenance</i>	2:15	Managing Weeds in Conservation Tillage and Conventional Corn. <i>Steve Wright, UC Cooperative Extension</i>

2:35	Poa Control with Methiozolin. <i>Jim Baird, UC Riverside</i>	2:35	Benefits and Potential Issues With Future Herbicide Tolerant Crop Traits. <i>Stanley Culpepper, University of Georgia</i>
2:55-3:15	Afternoon Break	2:55-3:15	Afternoon Break
3:15-5:00	SESSION K: FORESTRY, RANGE & NATURAL AREAS <i>Moderators: Julie Finzel & Scott Oneto, UC Cooperative Extension; Byron Sleugh, Dow AgroSciences</i>	3:15-5:00	SESSION L: VEGETABLE CROPS <i>Moderators: Kate Walker, BASF; Richard Smith, UC Cooperative Extension</i>
3:20	Irrigated Pasture Management. <i>Josh Davy, UC Cooperative Extension</i>	3:20	Role of Seed Treatments in Plant Competition. <i>Clarence Swanton, University of Guelph</i>
3:40	Assessing the Future of Rangeland Weed Management and Prevention. <i>Jeremy James, UC Cooperative Extension</i>	3:40	Robotic Weed Control. <i>Mark Siemens, University of Arizona</i>
4:00	Aminopyralid Prevents Seed Production in Ventenata and Medusahead. <i>Matt Rinella, USDA-ARS</i>	4:00	Heat Treatment of Soil for Weed Control. <i>Steve Fennimore, UC Cooperative Extension</i>
4:20	Weed Control in Forests. <i>Ed Fredrickson, Thunder Road Resources</i>	4:20	Morning Glory Control in Tomatoes. <i>Scott Stoddard, UC Merced</i>
4:40-5:00	WMA Weed Control Success Story in Tulare County. <i>Jim Sullins, UC Cooperative Extension</i>	4:40-5:00	Weed Control in Carrots at Bolthouse Farms. <i>Philip Northover, Bolthouse Farms</i>

Friday, JANUARY 24, 2014

7:00am-11:15am	REGISTRATION & CEU SIGN-IN/OUT <i>Judy Letterman & Celeste Elliott, CWSS</i> DE ANZA FOYER
DE ANZA BALLROOM III	
7:30-11:45	SESSION M: LAWS AND REGULATIONS <i>Moderators: Laura Petro, CDFA; Margaret Reiff, CDPR; Maryam Khosravifard, CDPR</i>
7:30	NEPA, CEQA and ESA Update. <i>Jeff Case, Crop Life America</i>
8:30	Non-Fumigant Strawberry Production Working Group. <i>Matt Fossen, CDPR</i>
9:15	DPR New Research Authorization Requirements. <i>Don Antonowich, CDPR</i>
9:45-10:00	Morning Break
10:00	Laws & Regulations Jeopardy. <i>David Chang, Santa Barbara County Agricultural Commissioner's Office</i>
10:45	Tribal Lands, Regulations and Working with Tribes. <i>Jim Shattuck, CDPR; Pam Cooper, EPA Region 9</i>
11:30-12:00	ADJOURN and turn in CEU forms