



California Weed Science Society

FINAL Program Agenda

19.5 CE Hours Approved

65th Annual Conference

“Weed Management: A Career with a Bright Future in California”

Hyatt Regency Sacramento 1209 L Street, Sacramento, California

TUESDAY, JANUARY 22, 2013

Noon – 5:00 pm	CWSS Pre Conference Weeds Tour – Sierra Foothills	John Roncoroni, UCCE Napa County
3:30 - 6:30 pm	CONFERENCE REGISTRATION	Judy Letterman & Celeste Elliott, CWSS Business Office
4:00 - 8:00 pm	CONFERENCE EXHIBIT & POSTER SETUP	Josie Hugie, CWSS Director, Syngenta

WEDNESDAY, JANUARY 23, 2013

7:00 am - 5:00 pm	REGISTRATION and CEU SIGN-IN/OUT	Judy Letterman & Celeste Elliott, CWSS
7:00 am - 5:00 pm	EXHIBITS & POSTER VIEWING	Regency Ballroom F Josie Hugie, CWSS Director, Syngenta
ALL Wednesday SESSIONS will be held in REGENCY BALLROOM ABC		
8:00	Welcome to the Conference	Steve Fennimore, CWSS Vice-President, UC Davis
8:05 am - 11:00am	Session A: WEED SCHOOL – Managing Perennial Weeds Introduction and Moderator: Brad Hanson, UCCE Weed Science Specialist, UC Davis	
8:10	Perennial Plants: The Tricks and Turns of Their Perennating and Overwintering Structures Ellen Dean, Curator Plant Diversity Center, UC Davis	
8:40	Understanding Herbicide Absorption and Translocation to Maximize Efficacy Kassim Al-Khatib, IPM Weed Science Specialist, UC Davis	
9:10	Application Type and Formulation Effects on Absorption and Translocation of Herbicides Ian Burke, Professor, Washington State University, Pullman	
9:40-10:10	Morning Break (Visit the Posters and Exhibits)	
10:10	Comparison of the Translocation of Classes of Herbicides in Perennials and Effects on Efficacy Dale Shaner, Research Scientist, USDA-ARS, Fort Collins CO	
10:40	Weed school panel discussion - All speakers	
11:00 - 12:15 pm	Session B: STUDENT ORAL PRESENTATIONS Moderator: Oleg Daugovish, CWSS Director, UCCE Ventura County	
11:00	Evaluation of Saflufenacil on Glyphosate and Paraquat-resistant Hairy Fleabane (<i>Conyza bonariensis</i>) Michelle Dennis, CSU Fresno	
11:15	Effect of Postemergence Herbicides and Application Time on Small Grain Injury and Yield Gerardo Banuelos, CSU Fresno	
11:30	Horseweed (<i>Conyza canadensis</i>) Control in Almond Orchards with Pre and Postemergence Herbicides in the Southern San Joaquin Valley Sonia Rios, CSU Fresno	
11:45	Weed Population Dynamics in Overhead and Subsurface Irrigated No-Till Cotton Cropping Systems Joy Hollingsworth, CSU Fresno	
12:00	Enhancement of Pre-emergence Herbicide Activity and Irrigation Efficiency with Soil Surfactant in Transplanted Fresh Market Tomatoes Sarah Alatorre, CSU Fresno	
12:15 pm - 1:15 pm	LUNCH (on your own)	
1:15 - 3:15 pm	Session C: GENERAL SESSION Moderator: Chuck Synold, CWSS President	
1:15	Ensuring a Vibrant Future for California Agriculture Karen Ross, Secretary, California Department of Food and Agriculture	
1:45	The Ever Changing Shape of Policy and Regulation Effecting California Agriculture Brian Leahy, Director, California Department of Pesticide Regulation	
2:15	Screening for Natural Product Herbicides Franck Dayan, USDA ARS, University, MS	
2:45	Weed Science Careers John Jachetta, Regulatory Sciences & Gov't Affairs Leader, Dow AgroSciences, Indianapolis, IN	
3:15	Afternoon Break (Visit the Posters and Exhibits)	
3:30 - 5:00 pm	Student AWARDS Moderator: Oleg Daugovish, CWSS Director, UCCE Ventura County Session D: WHAT'S NEW in WEED CONTROL Moderator: Ben Duesterhaus, BASF	
5:15 - 6:45 pm	CWSS MEMBER RECEPTION Rick Miller, CWSS Director, Dow AgroSciences & Judy Letterman, CWSS Manager	

THURSDAY, JANUARY 24, 2013

7:00 am – 5:00 pm	REGISTRATION and CEU SIGN-IN/OUT	<i>Judy Letterman & Celeste Elliott, CWSS</i>
7:00 am – 5:00 pm	EXHIBITS and POSTER VIEWING	<i>Josie Hugie, CWSS Director, Syngenta</i>

MORNING CONCURRENT SESSIONS

	ROOM: Regency Ballroom A		ROOM: Regency Ballroom B & C
8:00-9:45	SESSION E: TREE & VINE <i>Moderators: Jim Mueller, Dow AgroSciences and Mick Canevari, UCCE San Joaquin</i>	8:00-9:45	SESSION F: AQUATICS <i>Moderators: Dave Blodget, SePRO and Chuck Jeffries, Integra IVM</i>
8:00	The Three F's - Fluvellin, Filaree and Fleabane <i>John Roncoroni, UCCE Napa</i>	8:00	Broad Spectrum Aquatic Weed and Algae Control in Irrigation Canals Using Endothal <i>Joe Vassios, UPI</i>
8:20	Post-emergence Weed Control Options in Tree Nut Orchards <i>Marcelo Moretti, UC Davis</i>	8:20	Western Watermilfoil Management on the Friant-Kern Canal <i>Eric Quinley, Friant Water</i>
8:40	New Herbicide Uses for CA Tree and Vine Crops <i>Kurt Hembree, UCCE Fresno</i>	8:40	Integrated Vegetation Management in Flood Control and Urban Creek Settings <i>Chuck Jeffries, Integra IVM</i>
9:00	Introduction to Adjuvants <i>Rich Zollinger, North Dakota State University</i>	9:00	Integrated Herbicide Program for Control of Aquatic Weeds and Algae in Irrigation Canal Systems <i>Dave Blodget, SePRO</i>
9:20	The Effects of Adjuvants on Herbicide Efficacy <i>Rich Zollinger, North Dakota State University</i>	9:20	Best Management Practices for Aquatic Weed Control in Canals <i>Jeff Null, Solano Irrigation District</i>
9:45	Morning Break	9:45	Morning Break
10:00-11:45	SESSION G: ORGANIC SYSTEMS <i>Moderators: Tom Lanini, UC Davis and Celeste Gilbert, Marrone Bio-Innovations</i>	10:00-11:45	SESSION H: ROADSIDES, UTILITIES, and INDUSTRIAL Sites <i>Moderators: Dan Wickham, Wilbur Ellis; Will Harrison, Target Specialty; and Bill Nantt, Caltrans</i>
10:00	Biopesticides Role in Organic Weed Control <i>Pamela G. Marrone, Marrone Bio Innovations</i>	10:00	Tracking Herbicide Movement, Post Application <i>Marvin Clark, CalTrans</i>
10:20	Organic Herbicide Performance in Field Trials <i>Tom Lanini, UC Davis</i>	10:20	Nontraditional Weed Control Options <i>Lonnie Munson, Los Angeles Public Works</i>
10:40	Evaluation of Options for Weed Control in Organic Vineyards, Berries and Vegetable Cropping Systems <i>Anil Shrestha, Cal State University Fresno</i>	10:40	Weed Resistance and its Management <i>Brad Hanson, UC Davis</i>
11:00	Manuka Oil as a Potential Natural Herbicide <i>Franck Dayan, USDA ARS, University, MS</i>	11:00	Control Strategies For Short Pod Mustard <i>Vanelle Peterson, Dow AgroSciences</i>
11:20-11:40	Weed Management in Organic Rice <i>Cass Mutters, UCCE Butte</i>	11:20-11:40	Biotic vs. Abiotic Damage: Herbicide or Something Else? <i>Tom Lanini, UC Davis</i>

11:45 am - 1:10 pm	CWSS BUSINESS Meeting & AWARDS LUNCHEON - Regency Ballroom F <i>Chuck Synold, CWSS President</i>
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THURSDAY, JANUARY 24, 2013
AFTERNOON CONCURRENT SESSIONS

	Room: Regency Ballroom A		Room: Regency Ballroom B & C
1:15-3:00	SESSION I: TURFGRASS & LANDSCAPE <i>Moderators: Chuck Ingels, UCCE Sacramento and Dave Phelps, Cagwin & Dorward</i>	1:15-3:00	SESSION J: AGRONOMY <i>"Prolonging the effectiveness of glyphosate in agronomic crops"</i> <i>Moderators: Ryan Bounds, Syngenta and Doug Munier, UCCE Glenn</i>
1:20	Reducing Reliance on Herbicide Use in Public Areas <i>Cheryl Wilen, UC IPM</i>	1:20	Roundup Ready Technology Overview <i>Harry Cline, Western Farm Press</i>
1:40	Sustainable Weed Management in Urban Parks <i>Martin Guereña, City of Davis</i>	1:40	Glyphosate Resistant Weeds Worldwide <i>Ian Heap, Int'l Survey of Herbicide Resistant Weeds</i>
2:00	Use of Organic Herbicides and Sheet Mulching in Landscapes <i>Dave Phelps, Cagwin and Dorward</i>	2:00	Southeastern US Experience With Managing Glyphosate Resistant Weeds <i>Stanley Culpepper, Univ. of Georgia</i>
2:20	Chemical Strategies for Overseeding Success and Spring Transition <i>Jim Baird UC Riverside</i>	2:20	Lessons Learned From Glyphosate-Resistant Palmer Amaranth <i>Lynn Sosnoskie, UC Davis</i>
2:40	Weed Control in Establishing Field Sedge (<i>Carex pansa</i>) <i>Chuck Ingels, UCCE Sacramento</i>	2:40	Integrated Weed Management In California <i>Steven Wright, UCCE Tulare</i>
3:00	Afternoon Break	3:00	Afternoon Break
3:15-5:00	SESSION K: FORESTRY, RANGE & NATURAL AREAS <i>Moderators: Scott Oneto, UCCE Central Sierra and Byron Sleugh, Dow AgroSciences</i>	3:15-5:00	SESSION L: VEGETABLE CROPS <i>Moderators: Mac Learned, FMC and Scott Stoddard, UCCE Merced</i>
3:20	New Weed Management Handbook for Natural Areas <i>Joe DiTomaso, UC Davis</i>	3:20	The Search For New Melon Herbicides <i>Tom Lanini, UC Davis</i>
3:40	Status of Biological Control Projects on Yellow Starthistle, Russian Thistle, Scotch Thistle, Cape Ivy, and French Broom <i>Lincoln Smith, USDA ARS</i>	3:40	Weed Management Options in Transplanted Peppers <i>Michelle Le Strange, UCCE Tulare & Kings Counties</i>
4:00	Herbicide Use in Forest Management <i>Vanelle Peterson, Dow AgroSciences</i>	4:00	Concerns of Transplanting Tomatoes into DNA-Herbicide Treated Soil in Subsurface Drip Fields <i>Kurt Hembree, UCCE Fresno</i>
4:20	Aminocyclopyrachlor: A New Active for Non-crop Weed Control <i>Stephen Colbert, DuPont</i>	4:20	Weed Control Strategies for Processing Onions <i>Rob Wilson, UC Intermountain Research & Extension Cntr</i>
4:40-5:00	Seed Characteristics, Germination and Seedling Emergence of <i>Dittrichia graveolens</i> <i>Rachel Brownsey, UC Davis</i>	4:40-5:00	Field Bindweed Management in Processing Tomatoes <i>Scott Stoddard, UCCE Merced</i>

STUDENT POSTERS

Junglerice (*Echinochloa colona*) Populations From California Avoid Glyphosate Control: How Do They Do It?
Alejandro Garcia, UC Davis

Predicting *Cyperus difformis* Emergence for Improved Control Timing in Rice Fields *Rafael Pedroso, UC Davis*

Propanil Resistance in *Cyperus difformis* of California Rice Fields: A New Challenge
Rafael Pedroso, UC Davis

Herbicide Activation With Drip Irrigation in Celery *Cameron Chandler, Cal-Lutheran University*

Will Reduced Water and Nitrogen Inputs Increase Weed Competition in Fresh Market Tomatoes?
Jorge Angeles, CSU Fresno

Mustard Meal as a Bioherbicide and its Phytotoxicity in Carrot Production *Matthew Helm, CSU Fresno*

Postemergence Control Options for Glyphosate-Resistant Junglerice in Nut Tree Orchards
Marcelo Moretti, UC Davis

Evaluation of C14-Glufosinate Translocation in Young Almond (*Prunus dulcis*) Trees *Rolando Mejorado, UC Davis*

Mortality of *Brassica nigra* Seeds Following Exposure to Activated Green Waste Compost and Elevated Temperature
Dlinka G. McCurry, Fresno Pacific University

Validation of a Model Predicting Mortality of *Brassica nigra* Seeds Under Conditions of Diurnal Heating Simulating Soil Solarization *Ethan Holtman, Fresno Pacific University*

Elevated CO₂ Has Minimal Effect on Vegetatively-Propagated Giant Reed (*Arundo donax*) During Establishment Phase
Katrina Steinhauer, CSU Fresno

Performance of Residual Herbicides in Almonds *Andrew Johnson, UC Davis*

FRIDAY, JANUARY 25, 2013

7:00 - 11:15am	REGISTRATION and CEU SIGN-IN/OUT <i>Judy Letterman & Celeste Elliott, CWSS</i>
7:30 - 11:30	SESSION M: LAWS AND REGULATIONS <i>Moderators: Laura Petro, CDFA; Margaret Reiff, CDPR; and Maryam Khosravifard, CDPR</i>
7:30	VOC Regulatory Update <i>Randy Segawa, CDPR</i>
8:00	NPDES Permit Program Update <i>Renan Jauregui, State Water Resources Control Board</i>
8:30	Laws and Regulations: Pesticide Jeopardy <i>Julie Jensen, Sacramento County Ag Commissioner</i>
9:30	Morning Break
9:45	Endangered Species State/Federal Regulatory Update <i>Polo Moreno, CDPR</i>
10:15	Protecting Urban Water Quality: New Surface Water Regulations <i>Michael Ensminger, CDPR</i>
10:45	Exposure Controls (PPE/Administrative/Engineering) <i>Harvard Fong, CDPR</i>
11:30 - Noon	Conference ADJOURNS Turn in CEU forms

2012-2013 CWSS Board of Directors	
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