

## 2007 National Conference on Agriculture & the Environment Program & Agenda

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<b>Wednesday, November 7, 2007</b>	
7:30 – 10:15 am	Registration
<b>Day 1 Morning Plenary Session</b> <b>8:30-12:00am</b> Room: The Chapel	
8:30 - 8:45 am	<b>Introduction to Conference Proceedings</b> <i>Paul Hain, President, Central Coast Agricultural Water Quality Coalition</i>
8:45 -9:25 am	<b>Agriculture &amp; the Environment on the Central Coast of California: A National Model for Success</b> <i>Paul Michel, Superintendent, Monterey Bay National Marine Sanctuary</i> <i>Daniel Mountjoy, PhD., Assistant State Conservationist, USDA Natural Resources Conservation Service</i>
9:25-10:15 am	<b>Sustainable Agriculture - The buzz word, what does it really mean?</b> <i>Jeff Dlott, PhD., President, SureHarvest</i>
10:15-10:30 am	<b>Break</b>
10:30-10:55 am	<b>Challenges and Opportunities to Integrate Treatment Wetlands in the Agricultural Landscape of California's Central Coast</b> <i>Melanie Beretti, Resource Conservation District of Monterey County</i>
10:55-11:20 am	<b>Monitoring the Pesticide Mitigation Effectiveness of On-Farm Vegetated Treatment Systems</b> <i>John Hunt, UC Davis Granite Canyon Marine Labs</i>
11:20- 11:40 am	<b>Nitrogen and Phosphorus Removal by Wetlands: Watershed and Agricultural Perspectives</b> <i>Sarah Greene, (formerly) University of Maryland Chesapeake Biological Laboratory</i>
11:40-12:00 pm	<b>Efficacy of Constructed Wetlands in Pesticide Removal from Tailwaters in the Central Valley, CA</b> <i>Robert Budd, UC Riverside</i>
12:00 to 1:40 pm	<b>Lunch served in Crocker Dining Hall between 12:00-1:00</b> <b>Network and Enjoy the Conference Grounds between 1:00-1:40</b>

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November 7, 2007 Day 1 – Afternoon Concurrent Sessions			
	<i>Breakout Track 1 Room: Acacia</i>	<i>Breakout Track 2 Room: Toyon</i>	<i>Breakout Track 3 Room: Heather</i>
Concurrent Sessions	<p><b><i>Innovations &amp; Conservation: A Focus on New Technologies &amp; Incentives</i></b> Moderator: Sophie De Beukelaer, Monterey Bay National Marine Sanctuary</p>	<p><b><i>Case Studies in Sustainability: A Focus on Vineyards &amp; Wineries</i></b> Moderator: Arianne Rettinger, Resource Conservation District of Santa Cruz County</p>	<p><b><i>Monitoring Symposium: Water Quality Regulation &amp; Regional Monitoring Programs</i></b> Moderator: Christopher Goodson, Central Coast Agricultural Water Quality Coalition</p>
1:40 - 2:20 pm	<p><b>Evaluation of vegetated ditches, ponds, and wetlands as BMPs for Mitigating the water quality Impact of irrigated agriculture in the San Joaquin Valley</b> William Stringfellow, University of the Pacific, Environmental Engineering Research Program</p>	<p><b>Evolution of the Lodi-Woodbridge Winegrape Commission's Sustainable Winegrowing Program: A Case Study</b> Dr. Clifford P. Ohmart, Lodi-Woodbridge Winegrape Commission</p>	<p><b>A Strategic and Region- Specific Approach to Address Current and Future Challenges in Regulating Discharges from Agricultural Lands</b> A panel of representatives from Regional Water Quality Control Boards throughout California will give an overview of the Conditional Waiver in each region. <i>Moderated by Johnny Gonzales, State Water Resources Control Board</i></p>
2:20 - 3:00 pm	<p><b>Factors Influencing Participating in Environmental Stewardship Programs: A Case Study of the Agricultural and Forestry Sectors in Louisiana</b> Carrie Castille Mendoza, Ph.D. Louisiana State University Ag Center</p>	<p><b>Application of a Behavioral Change Model for Improving the Sustainability of California Winegrowing</b> Joe Browde, California Sustainable Winegrowing Alliance and Jeff Dlott, SureHarvest</p>	<p><b>( 2:20 – 2:40) Central Valley Monitoring for Irrigated Agriculture - approach and results</b> Margie Lopez Read, Central Valley Regional Water Quality Control Board</p> <p><b>(2:40 – 3:00) Cooperative Water Quality Monitoring for Agriculture in the Central Coast Region of California</b> Sarah Greene, Central Coast Water Quality Preservation, Inc. (CCWQP)</p>

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3:00 - 3:40-pm	<p><b>Forestry in the Santa Cruz Mountains: A Brief Overview of Local Forest Management and Resource Protection</b> David Van Lennep, Redwood Empire Sawmills Bob Berlage, Big Creek Lumber Company (Cont)</p>	<p><b>Fish Friendly Farming - Addressing all the Features Needed to be Called Sustainable</b> Laurel Marcus, California Land Stewardship Institute  (Cont)</p>	<p><b>(3:00 – 3:20) Sources of E.coli in the Central Valley</b> Michael Johnson, PhD, University of California, John Muir Institute for the Environment</p>
3:00 - 3:40-pm (cont)	<p><b>Forestry in the Santa Cruz Mountains: A Brief Overview of Local Forest Management and Resource Protection</b> David Van Lennep, Redwood Empire Sawmills Bob Berlage, Big Creek Lumber Company</p>	<p><b>Features Needed to be Called Sustainable</b> Laurel Marcus, California Land Stewardship Institute</p>	<p><b>(3:20 – 3:40) California Rangeland Conservation Coalition</b> Tracy Schohr, California Cattlemen’s Association Kim Delfino, Defender of Wildlife; Paul Hensen, US Fish &amp; Wildlife Service; Chuck Pritchard, Rancher Jay Chamberlain, California Resource Agency; Sheila Barry, University of California Cooperative Extension</p>
3:40 – 4:20 pm	<p><b>Finding Common Ground between Farming, the Environment, and Housing Needs</b> <b>Moderator: Tom Carvey, Common Ground Monterey County</b> A panel of representatives from farming, housing, and conservation sectors, including: Alfred Diaz-Infante, CHISPA - Community Housing Improvement Systems &amp; Planning Association and Chris Bunn, General Farm Investments/Crown Packing</p>	<p><b>(3:40- 4:00) Central Coast Vineyard Team – Identifying the Unique Components of this Successful Grower Based Initiative</b> Kris O’Connor, Executive Director, Central Coast Vineyard Team</p>	<p><b>Potential Water Quality Issues of Irrigated Agriculture Runoff/Discharges in the San Joaquin River, Central Valley of California</b>  Dr. G. Fred Lee, PE, DEE, G. Fred Lee &amp; Associates</p>
4:30 - 6:00 pm	<p><i>Sip of the Sanctuary: A Special Wine Tasting Event</i> <i>Located in The Chapel</i></p>		
6-7 pm	Dinner served in Crocker Dining Hall		

## 2007 National Conference on Agriculture & the Environment Program & Agenda

2007 National Conference on Agriculture & the Environment Thursday November 8, 2007			
7:30 -10:15 am	Registration		
<b>Day 2 Morning Plenary Session</b> 8:30 – 9:15 am The Chapel			
8:30 -8:35 am	Welcome <i>Paul Hain, President, Central Coast Agricultural Water Quality Coalition</i>		
8:35 – 8:55	Land Use, Affordable Housing & the Environment <i>Lorri Koster, Vice President of Marketing, Mann Packing</i>		
8:55-9:15 am	Perspectives on Sustainability – Current Trends & Visions for the Future <i>Dennis Donohue, President, European Vegetables Specialties &amp; Major of the City of Salinas</i>		
November 8, 2007 Day 2 - Morning Concurrent Sessions			
	<i>Breakout Track 1</i> <i>Room: Toyon</i>	<i>Breakout Track 2</i> <i>Room: Acacia</i>	<i>Breakout Track 3</i> <i>Room: Heather</i>
Concurrent Sessions	<u><i>Innovation &amp; Conservation: The Efficacies of Vegetation for Runoff Treatment</i></u> Moderator: Anna Holden-Martz, Monterey Bay National Marine Sanctuary	<u><i>Case Studies &amp; Perspectives on Sustainability</i></u> Moderator: Bridget Hoover, Monterey Bay National Marine Sanctuary	<u><i>Monitoring Symposium: Regional Data Synthesis</i></u> Moderator: Christopher Goodson, Central Coast Agricultural Water Quality Coalition

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9:25-10:10 am	<p><b>(9:25 – 9:45) The use of low-growing, common ditch plants to improve water quality: design and monitoring considerations</b> Bryan Largay, Largay Hydrologic Sciences, LLC</p>	<p><b>Making the Case for Conservation-Based Agriculture</b> Jo Ann Baumgartner, Wildfarm Alliance</p>	<p><b>(9:25-9:45) Challenges &amp; Opportunities with Regional “Hot Spot” Monitoring Programs</b> Marc Los Huertos, California State University, Monterey Bay</p>
(continued) 9:25-10:10 am	<p><b>(9:50 – 10:10) Benefits of Vegetated Agricultural Drainage Ditches as a BMP in Yolo County</b> Jeanette Wrynski, Yolo County Resource Conservation District</p>	<p><b>Conservation-based Farming in the Central Coast of California</b> Tara Psani Gareau, University of California, Santa Cruz</p>	<p><b>(9:50-10:10) Trials and Errors in On-farm Water Quality/Quantity Monitoring in Yolo County</b> Paul Robins, Yolo County Resource Conservation District</p>
10:20-11:05 am	<p><b>(10:20 – 10:40) Efficacy of vegetative filter strip to reduce phosphorus in runoff from dairy waste application fields</b> Subhasis Giri and S. Mukhtar, Texas A&amp;M University; and R Wittie, Tarleton State University</p>	<p><b>Co-Managing Fertility &amp; Runoff in Vegetable and Row Crop on the Central Coast: What Really Works</b> Mike Cahn, University of California Cooperative Extension Tim Hartz, University of California Cooperative Extension</p>	<p><b>Central Coast Water Quality Data Synthesis, Assessment, and Management Project</b> Gary Conley, NOAA Monterey Bay National Marine Sanctuary</p>
	<p><b>(10:45 – 11:05) Efficacy of a Microbial Treatment to Reduce Phosphorus and Other Substances from Dairy Lagoon Effluent</b> Shafiqur Rahman, Texas A&amp;M University</p>		
11:15 am – 12:00 pm	<p><b>Vegetated Ditches as a Management Practice in Irrigated Alfalfa</b> Sheryl Gill, California Department of Pesticide Regulation</p>	<p><b>Developing Performance-based Incentives for Agricultural Pollution Control</b> Jonathan R. Winsten, Ph.D., Winrock International and University of Vermont</p>	<p><b>Using TMDL Monitoring data to set restoration and remediation priorities on a watershed scale</b> William T. Stringfellow, University of the Pacific, Environmental Engineering Research Program</p>
12 -1 pm	Lunch served in Crocker Dining Hall		

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November 8, 2007 Day 2 -- Afternoon Concurrent Sessions			
	<i>Breakout Track 1 Room: Toyon</i>	<i>Breakout Track 2 Room: Acacia</i>	<i>Breakout Track 3 Room: Heather</i>
Concurrent Sessions	<b><u>Innovation &amp; Conservation</u></b> Moderator: Gary Conley, Monterey Bay National Marine Sanctuary	<b><u>Restoration within Agricultural Production Systems: Opportunities &amp; Constraints</u></b> Moderator: Carolyn Skinder, Monterey Bay National Marine Sanctuary	<b><u>Monitoring Symposium: Elkhorn Slough / Monterey Bay Case Studies</u></b> Moderator: Christopher Goodson, Central Coast Agricultural Water Quality Coalition
1:00 - 1:45 pm	<p><b>(1:00 – 1:20) Characterizations and Transport Analysis of Dairy Manure in Texas for Thermochemical Conversion</b> Saqib Mukhtar, Texas A&amp;M University</p> <p><b>(1:25 – 1:45) Farm factors and beneficial management practices (BMPs) associated with reducing Giardia and Cryptosporidium loading in storm runoff from dairy high use areas</b> Woutrina Miller, University of California, Davis</p>	<p><b>A Programmatic Safe Harbor Agreement for Wildlife Habitat Restoration in the lower Moklumne River Watershed</b> Kent Reeves, East Bay Municipal Utility District, Fish &amp; Wildlife Division</p>	<p><b>Monitoring for key water quality parameters influencing the temporal and spatial distribution of dissolved oxygen in the Elkhorn Slough</b> Kristy Morris, University of California, Santa Cruz</p>
1:55 - 2:40 pm	<p><b>A tale of two legumes: what isotopes and models tell us about optimizing N management with legume cover crops in organic vegetable systems</b> Katie L. Monsen and Carol Shennan, Dept. of Environmental Studies and the Center for Agroecology &amp; Sustainable Food Systems, UC Santa Cruz</p>	<p><b>Ecology of Ecosystem Services at the Interface of Large-scale Riparian Restoration and Agriculture</b> Suzanne Langridge, University of California Santa Cruz.</p>	<p><b>(1:55 – 2:15) The Land/Ocean Biogeochemical Observatory: A testbed for novel in situ nitrogen analyzers</b> Josh Plant, Monterey Bay Aquarium Research Institute</p> <p><b>(2:20-2:40) The Land/Ocean Biogeochemical Observatory: A real-time nitrate and ammonia sensor network that observes the interactions between agricultural runoff and the coastal ocean</b> Kenneth S. Johnson, Monterey Bay Aquarium Research Institute</p>

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2:50 - 3:35 pm	<p><b>Optimizing Nitrogen Management in an Organic Strawberry Production System on the Central Coast of California</b> Joji Muramoto, University of California, Santa Cruz</p>	<p><b>Livestock Pond Restoration And Habitat Management On Private Grazing Lands To Benefit The California Red-Legged Frog And California Tiger Salamander</b> Jackie Charbonneau, NRCS and Pete Van Hoorn, Alameda County RCD</p>	<p><b>Monitoring Agricultural Water Conservation Measures</b> Kathy Thomasberg, Monterey County Water Resources Agency</p>
3:45 – 4:30 pm	<p><b>Sustainable Land Application of Food Processing Wastewater</b> Ronald W. Crites, Robert A. Beggs and Robert Neenan, Brown and Caldwell</p>	<p><b>(3:45 – 4:05) Partnerships for Sustainable Agriculture</b> Joseph McIntyre, Ag Innovations Network</p> <p><b>(4:10 – 4:30) “And your farmer for the evening will be...”</b> <b>Connecting Consumers with the Farmers that Feed Them</b> Ildi Carlisle-Cummins, Community Alliance with Family Farmers</p>	<p><b>(3:45 – 4:05) Water Quality Trends and Management Practices in the Elkhorn Slough: A Case Studies Approach</b> Alison Gee, Elkhorn Slough National Estuarine Research Reserve</p>
4:45-5:45	<p><i>Cocktail Break &amp; Concurrent Poster Session</i> <i>Located in The Chapel</i></p>		
6-7pm	<p><b>Dinner served in Crocker Dining Hall</b></p>		

**Cocktail Break & Concurrent Poster Session: Located in The Chapel**

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**Thursday November 8, 2007**

**4:45-5:45 pm**

**Comparison of Agriculture Run-off between Biological Farming and Conventional Chemical Farming** - Nicole David, San Francisco Estuary Institute, Oakland, CA, Fred Thomas, California Certified Organic Farmers, Santa Cruz, CA and Marcia Gibbs, Community Alliance with Family Farming, Davis, CA

**Turbidity Threshold Sampling of Suspended Sediment in the Pajaro Watershed** - Gerhard Epke, UCSC, Environmental Studies Department)

**Central Coast Rangeland Coalition - Indicators of Sustainable Rangeland Stewardship** - Lawrence Ford, Daniel Olstein, Richard Morris, Grey Hayes, and Lynn Huntsinger

**Loads and Effects of Legacy Pesticides from Agriculture Watersheds in the Monterey Bay Area** - Dane Hardin, Clare Dominik, Bryan Bemis, Applies Marine Sciences, Santa Cruz, CA

**Employee Water Quality Training** - Valerie Mellano, UCCE, San Diego, Karen Robb, UCCE Mariposa County, Dave Shaw, UCCE San Diego, Scott Parker, UCCE San Diego, and Diane DeJong UCCE, San Diego.

**University of California Program to Protect Water Quality in Greenhouses and Nurseries** - Julie Newman, UCCE Venture County, Donald Merhaut, UC, Riverside, Salvatore Mangiafico, UC Riverside, Dale Zurawski, UCCE Venture County, Amy Ellis, UCCE Venture County, Kristine Gilbert, UCCE Venture County, Jay Gan, UC Riverside, Laosheng Wu, UC Riverside, Jianhang Lu, UC Riverside, Maren Mochizuki, UCCE Venture County, Richards Evans, UC Davis, and Ben Faber, UCCE Venture County.

**Water Quality Impacts of Almond Pest Management Practices in San Joaquin River Watershed** - Xuyang Zhang, University of California, Davis

**Agricultural Water Quality Alliance** -AWQA Committee Member (TBA)

**Surface Water Ambient Monitoring Program (SWAMP)** - Vera Williams, SWAMP Communication Coordinator and Clean Water Team State Water Resources Control Board

**Waste Reduction Practices in the “Salad Bowl of the World”: From Agricultural Film Plastics Recycling to Farm-Site Composting** - Salinas Valley Solid Waste Authority

**Upper Feather River Watershed Irrigated Lands Management** - Holly George, Ken Tate, Mike Singer, Laura Murphy, David Lile, UC Cooperative Extension

**Friday November 9, 2007**

## 2007 National Conference on Agriculture & the Environment Program & Agenda

Day 3 Morning Plenary Session 8:30 – 9:15 am The Chapel		
8:30- 8:35am	Welcome	
8:35-9:15 am	Keynote Address by <b>Tim Driscoll</b> , <i>General Manager, Valley Pride</i>	
Concurrent Sessions	<b><i>Breakout Track 1</i></b> <b><i>Room: Acacia</i></b>	<b><i>Breakout Track 2</i></b> <b><i>Room: Heather</i></b>
	<b><u>Innovation &amp; Conservation</u></b> Moderator: Christopher Goodson, Central Coast Agricultural Water Quality Coalition	<b><u>Food Safety &amp; Environmental Protection</u></b> Moderator: Ruthie Schafer, Central Coast Agricultural Water Quality Coalition
9:25-10:10 am	<b>Mitigating pesticides in sediments transported from irrigated agriculture</b> Parry Klassen, Executive Director Coalition for Urban Rural Environmental Stewardship	<b>Coordinated Management of Water Quality Management Practices and Food Safety Good Agricultural Practices Conference - Outcomes and Results</b> Mary Bianchi, University of California Cooperative Extension and Kay Mercer, Southern San Luis Obispo and Santa Barbara Counties Agricultural Watershed Coalition
10:20-11:05am	<b>Modifying agricultural practices to reduce discharges of nutrients and pesticides to the Calleguas Creek and Santa Clara River Watershed</b> Dan Detmer & Linda Purpus, United Water Conservation District	<b>(10:40-11:00) Food Safety and the Environment: Exploring How Growers may be Altering Management Practices for Environmental Quality in Response to Food Safety Concerns</b> Melanie Beretti, Resource Conservation District of Monterey County and Diana Stuart, UCSC
11:15 am - 12:00 pm	<b>The Water Erosion Prediction Project (WEPP) Model: Agricultural applications to predict erosion and water quality impacts, improve irrigation efficiency, and evaluate the effectiveness of BMPs</b> Drea Traeumer, Em Consulting	<b>Attempting to Reconcile Food Safety and Environmental Protection: The Benefits and Challenges of Non-Crop Vegetation</b> Sam Earnshaw, Community Alliance with Family Farmers