

**Aquatic Weed School 2018**  
September 5-6, 2018 ▪ UC Davis

# Agenda

## Day 1 ▪ Wednesday, September 5, 2018

8:00-8:30 AM	<i>Check-in</i>	
8:30-8:45	<i>Welcome, introduction, announcements</i>	
8:45-9:05	Ecological classification and impacts of aquatic weeds	Joe DiTomaso, UC Davis
<b>BIOLOGY OF AQUATIC WEEDS</b>		
9:05-9:40	▪ Growth and reproduction of aquatic plants	John Madsen, USDA-ARS
9:40-10:20	▪ Fish and plant interactions	Joel Trumbo, CA Dept. of Fish & Wildlife
10:20-10:35	<i>Break (15 mins.)</i>	
10:35-11:15	Physical and chemical characteristics of aquatic ecosystems	Mark Sytsma, Portland State University
<b>LAWS AND REGULATIONS</b>		
11:15-11:40	▪ Update on National Pollutant Discharge Elimination System (NPDES)	Mike Blankinship, Blankinship & Associates
11:40-12:00	▪ Are aquatic herbicides safe? A primer on toxicology	John Rodgers*, Clemson University
12:00-12:50	<i>Lunch (50 mins.)</i>	
12:50-1:10	▪ Herbicide label compliance: what to expect when you are inspected	Carlton Layne*, Aquatic Ecosystem Restoration Foundation
1:10-1:30	▪ California herbicide registration	Don Antonowich, CA Dept. of Pesticide Regulation
1:30-2:00	Adjuvants and surfactants for aquatic systems	Rob Richardson*, North Carolina State University
2:00-2:10	<i>Divide into breakout groups</i>	

BREAKOUTS	GROUP A	GROUP B
2:10-3:10	<b>Aquatic weed ID lab</b> Joe DiTomaso and Guy Kyser, UC Davis	<b>Personal Protective Equipment</b> Lisa Blecker, UC ANR IPM Program
3:10-3:15	<i>Rotate to next breakout session</i>	
3:15-4:15	<b>Personal Protective Equipment</b>	<b>Aquatic weed ID lab</b>
4:15-4:35	Caulerpa control and Early Detection and Rapid Response (EDRR)	Lars Anderson ( <i>retired</i> ), USDA-ARS
4:35-4:55	Ecological restoration and managing invasive weeds	Brenda Grewell, USDA-ARS
4:55-5:00	<i>Wrap-up Day 1, evaluation</i>	
5:00-6:00	<i>Social hour</i>	

**Day 2 ■ Thursday, September 6, 2018**

8:00-8:05 AM	<i>Announcements</i>	
8:05-8:25	Developing an aquatic management plan	John Madsen USDA-ARS
8:25-8:50	Pest prevention for aquatic weeds— quarantines, inspections and Best Management Practices (BMPs)	Michelle Dennis CA Dept. of Food & Agriculture
<b>PHYSICAL and MECHANICAL CONTROL METHODS</b>		
8:50-9:25	▪ Physical and mechanical removal techniques	Terry McNabb, AquaTechnex
9:25-9:45	▪ Use of aquatic plant barrier in Lake Tahoe	Nicole Cartwright, Tahoe Resource Conservation District
9:45-10:00	<i>Break (15 mins.)</i>	
<b>BIOLOGICAL CONTROL of AQUATIC WEEDS with</b>		
10:00-10:45	▪ Insects and pathogens	Patrick Moran, USDA-ARS
10:45-11:25	▪ Integrating triploid grass carp into an aquatic plant management program	Rob Richardson*, North Carolina State University
<b>CHEMICAL and NON-CHEMICAL CONTROL</b>		
11:25-11:55	▪ Use of herbicides for submersed and emergent aquatic weed control	Kurt Getsinger, U.S. Army Corps of Engineers
11:55-12:50	<i>Lunch (55 mins.)</i>	
12:50-1:30	▪ Precision application techniques for aquatic herbicides	Terry McNabb, Aquatechnex
1:30-2:10	▪ Mode of action and degradation of aquatic herbicides	Kassim Al-Khatib, UC Davis
2:10-2:30	▪ Algal control methods—chemical and nonchemical	John Rodgers*, Clemson University
2:30-3:00	▪ Tools for small pond management	Stephen Burkholder, Blankinship & Associates
3:00-3:15	<i>Break (15 mins.)</i>	
3:15-3:40	▪ Integrated pest management tools for irrigation canals	Joe Vassios, UPI
3:40-4:10	Integrated and adaptive aquatic plant management program in CA Boating and Waterways	Ed Hard, CA Dept. of Parks & Recreation, Div. of Boating & Waterways
4:10-4:15 PM	<i>Evaluation, adjourn</i>	