

**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,<br>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,<br>Portland State University                      |
| <b>LAWS AND REGULATIONS</b>     |   |  |
| 11:15-11:40                     | ▪ Update on National Pollutant Discharge Elimination System (NPDES) | Mike Blankinship,<br>Blankinship & Associates                  |
| 11:40-12:00                     | ▪ Are aquatic herbicides safe? A primer on toxicology               | John Rodgers*,<br>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<br>Ecosystem Restoration<br>Foundation |
| 1:10-1:30                       | ▪ California herbicide registration                                 | Don Antonowich,<br>CA Dept. of Pesticide Regulation            |
| 1:30-2:00                       | Adjuvants and surfactants for aquatic systems                       | Rob Richardson*,<br>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><br>Joe DiTomaso and Guy Kyser, UC Davis | <b>Personal Protective Equipment</b><br>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> ),<br>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<br>USDA-ARS  |
| 8:25-8:50                                       | Pest prevention for aquatic weeds—<br>quarantines, inspections and Best Management Practices (BMPs) | Michelle Dennis<br>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  | Chris Kilian and Mollie Hurt,<br>Tahoe Resource Conservation<br>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<br>aquatic plant management program                       | Rob Richardson*, North<br>Carolina State University                            |
| <b>CHEMICAL and NON-CHEMICAL CONTROL</b>        |   |  |
| 11:25-11:55                                     | ▪ Use of herbicides for submersed and<br>emergent aquatic weed control                              | Kurt Getsinger,<br>U.S. Army Corps of Engineers                                |
| 11:55-12:50                                     | <i>Lunch (55 mins.)</i>   |  |
| 12:50-1:30                                      | ▪ Precision application techniques for aquatic<br>herbicides  | Terry McNabb, Aquatechnex  |
| 1:30-2:10                                       | ▪ Mode of action and degradation of aquatic<br>herbicides   | Kassim Al-Khatib, UC Davis   |
| 2:10-2:30                                       | ▪ Algal control methods—chemical and<br>nonchemical   | John Rodgers*,<br>Clemson University   |
| 2:30-3:00                                       | ▪ Tools for small pond management   | Stephen Burkholder,<br>Blankinship & Associates                                |
| 3:00-3:15                                       | <i>Break (15 mins.)</i>   |  |
| 3:15-3:40                                       | ▪ Integrated pest management tools for<br>irrigation canals   | Joe Vassios, UPI   |
| 3:40-4:10                                       | Integrated and adaptive aquatic plant<br>management program in CA Boating and<br>Waterways          | Jon O'Brien,<br>CA Dept. of Parks & Recreation,<br>Div. of Boating & Waterways |
| 4:10-4:15 PM                                    | <i>Evaluation, adjourn</i>  |  |