



FWC-IFAS Research Review for Invasive Plants in Florida
UF-IFAS Orange County Cooperative Extension Office, 6021 S. Conway Road, Orlando, FL.

Wednesday 4, 2015

- 12:15 pm** **Welcome** – *Don Schmitz, FWC, and William Haller, UF-IFAS*
- 12:30 pm** **A brief review of invasive plant funded research 1970-2014** – *Don C. Schmitz, FWC Invasive Plant Management Section*
- 12:45 pm** **Competition and re-vegetation studies on Mexican petunia** – *Adrienne Smith, Carrie Reinhart Adams, and Sandy Wilson, University of Florida*
- 1:00 pm** **Abundance and distribution of crayfish in two Florida spring-fed rivers managed for hydrilla** – *Tiffani Manteuffel, C. Ross Hinkle, and I. Jack Stout, University of Central Florida*
- 1:15 pm** **Efficacy of aquatic herbicides on rosette (*Rotala rotundifolia*)** - *Carl J. Della Torre III, Lyn A. Gettys, and William Haller, University of Florida*
- 1:30 pm** **Propagule pressure and water competition in cogongrass** - *James A. Estrada and S. Luke Flory, University of Florida*
- 1:45 pm** **Evaluating new waterhyacinth and waterlettuce biological control agents in Florida** – *Carey R. Minter and Phil Tipping, USDA/ARS*
- 2:00 pm** **Developing novel use patterns for newly registered herbicides on water hyacinth and water lettuce** – *Chris Mudge and Michael Netherland, USACE*
- 2:15 pm** **Seed biology and management of Chinese tallow** – *Heather VanHeuveln and Greg MacDonald, University of Florida*
- 2:30 pm** **IFAS assessment of non-native plants in Florida’s natural areas** - *Deah Lieurance and S. Luke Flory, University of Florida*
- 2:45 pm** **Investigating risk and management of Avian Vacuolar Myelinopathy in Florida** – *Susan Wilde, University of Georgia, and Mike Netherland, USACE*

- 3:00 pm** **Networking Break**
- 3:30 pm** **Improving rearing and establishment success of the air potato leaf beetle by closing knowledge gaps in its biology and geographic adaptation** – *Bill Overholt, Veronica Manrique, and Rodrigo Diaz, University of Florida, and Phil Tipping, Melissa Smith, and Ellen C. Lake, USDA/ARS*
- 3:45 PM** **Alternative herbicides and strategies for cogongrass control in Florida’s natural areas** – *Greg MacDonald, Brent Sellers, and Heather VanHeuveln, University of Florida*
- 4:00 PM** **Linking research with successful aquatic plant management** – *Jeff Schardt, FWC Invasive Plant Management Section*
- 4:15 PM** **Exploring and testing of natural enemies of cogongrass** – *Bill Overholt and Jim Cuda, University of Florida, B.P. Le Ru, International Center of Insect Physiology and Ecology, Nairobi, Kenya, and K. Takasu, Kyushu University, Japan*
- 4:30 PM** **Effects of insect herbivory on herbicidal control of water hyacinth** – *Lyn A. Gettys, University of Florida, and Phil Tipping, USDA/ARS*
- 4:45 PM** **Florida invasive plant education initiative and curriculum** – *Katie Walters and Karen Brown, University of Florida*
- 5:00 PM** **Research Review adjourns for the evening**

Thursday, March 5, 2015

- 8:15 AM** **Biological control of Chinese tallow in Florida** – *Greg Wheeler, USDA/ARS*
- 8:30 AM** **Biological control of lygodium and hydrilla: progress, process, and possibilities** – *Matt Purcell, USDA/ARS, Brisbane, Australia*
- 8:45 AM** **Biological control of Old World climbing fern in Florida: Quarantine host range testing and post release evaluations** – *Melissa Smith and Greg Wheeler, USDA/ARS*
- 9:00 AM** **Influence of sediments on the fate of granular/pelleted formulations of three commonly used aquatic herbicides (compared to the liquid formulations)** – *Mathew Nance, Chris Wilson and Bill Haller, University of Florida*

- 9:15 AM** **Risk assessment for biological control of downy rose myrtle in Florida –** *Matt Purcell, USDA/ARS, Brisbane, Australia*
- 9:30 AM** **What’s new in the APIRS online database and library –** *Karen Brown, University of Florida*
- 9:45 AM** **Technical support for monitoring large-scale management of hydrilla and other invasive plants –** *Mike Netherland, USACE, and Dean Jones, University of Florida*
- 10:00 AM** **Networking Break**
- 10:30 AM** **Evaluation of grass-specific herbicides to support selective control of invasive aquatic grasses –** *Mike Netherland, USACE*
- 10:45 AM** **Non-native species in the Atlas of Florida Vascular Plants Website Database –** *Alan Franck and Richard Wunderlin, University of South Florida*
- 11:00 AM** **Economic costs of invasive plant management in Florida’s natural areas –** *Drew Hiatt and S. Luke Flory, University of Florida*
- 11:15 AM** **Maintenance and support of the Florida Invasive Species Partnership and Florida’s Cooperative Invasive Species Management Areas websites –** *Chuck Barger, University of Georgia*
- 11:30 AM** **Understanding abiotic and biotic interactions that may affect establishment and impact of two biological control agents of Brazilian peppertree in Florida –** *Bill Overholt, Veronica Manrique, and Rodrigo Diaz, University of Florida*
- 11:45 AM** **Quarantine risk assessment studies and overseas surveys for classical biological control of Brazilian pepper –** *Greg Wheeler, USDA/ARS*
- 12:00 PM** **Biological control of air potato in Florida using the Asian beetles –** *F. Allen Dray, Jr., Ellen C. Lake, and Melissa Smith, USDA/ARS*
- 12:15 PM** **Outcomes and likelihood of hybridization of Asian beetles: implications for release strategies –** *Ellen C. Lake, USDA/ARS*
- 12:30 PM** **Maintenance and structural upgrades of the UF-IFAS-CAIP/FWC websites –** *Karen Brown, University of Florida*
- 12:45 PM** **Evaluation of new herbicides for resistance management of aquatic weeds -** *William Haller, University of Florida*

1:00 PM Research Review meeting ends

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