



## Letter from the President

By: Todd Horton, President SCAPMS



I was fortunate to be able to attend this year's APMS Annual Meeting in San Antonio, Texas. Here are few noteworthy items from the meeting for those who were not able to attend. First, I would like to thank SePRO Corporation for paying my travel and expenses to be able to attend this year's conference and represent SCAPMS. Our Society was very well represented by both current SCAPMS members and past Board of Directors. It was very nice to see so many of our current members taking on leadership roles with the Aquatic Plant Management Society at a national level.

Terry Goldsby, with Aqua Services, Incorporated, served as APMS President this past year and gave an outstanding Presidential Address to kick off the meeting. The meeting certainly had a Texas tone to it as several Texas A&M

Professors, Extension Agents, and students gave presentations. Monoecious hydrilla and its spread and control efforts was a big topic of discussion as well as several other invaders such as crested floating heart, giant salvinia, and water hyacinth. Our own Dr. John Rodgers and West Bishop gave very interesting talks on algae and nutrient management in lakes and ponds. I was encouraged to see representatives from the Environmental Protection Agency in attendance at the meeting to learn more about the challenges and innovations in aquatic weed management. I often noticed them interacting with both aquatic applicators and researchers. Having them present can only serve our industry better in the future. There were several interesting talks on the new and the always innovative aquatic vegetation and algae mapping front. We have certainly come a long way in a short period of time as mapping and sonar technology development is certainly at a new level. I hope to have a session on this topic at our upcoming meeting October 23-25 at Springmaid Beach Resort in Myrtle Beach.

An entire session was devoted to the topic of resistance management in aquatics. Open discussions were conducted to identify the differences in terrestrial or agricultural resistance management and the future development of plans in aquatics. My prediction is this will be an interesting and contentious topic for years to come. Finally, at the Awards Banquet special recognition was given to the passing of Mr. Bob Johnson who served the MAPMS Chapter for many years and also mentored many young applicators and students in the aquatics market. He was certainly an icon for those folks in the Midwest aquatics market. Also, Richard Hinterman, Don Doggett, Dr. John Madsen, Sarah True-Meadows, and Dr. Mark Heilman were all recipients of APMS awards.

Next year's 54th APMS Annual Meeting will be located a little closer to home in Savannah, Georgia at the Hilton Savannah DeSoto on July 13 – 16, 2014. I look forward to attending the meeting and hope to see another great turnout from the SCAPMS members and representatives.

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## New Tools for Resource Managers

by: Bo Burns



Invasive and nuisance aquatic plant species are a significant and increasing problem in water bodies throughout the United States. Invasive weeds such as hydrilla, cabomba, Eurasian watermilfoil, water lettuce, water hyacinth and watermeal are damaging fish and wildlife habitats, blocking previously navigable areas, restricting recreation and decreasing property values. Nationwide, costs associated with the chemical and mechanical management of these weeds exceed \$150 million per year in public funds, according to a June 2008 article in *Outlooks on Pest Management*.

In 2010, Valent Professional Products launched a new portfolio of aquatic products offering new solutions to help control aquatic weeds. These new products, Clipper Herbicide (flumioxazin) and Tradewind Herbicide (bispyribac-sodium), are intended to provide aquatic plant managers with new treatment options at a time when herbicide resistance, variable response and environmental concern issues loom large.

A contact herbicide, the active ingredient in Clipper, flumioxazin, has shown to provide fast acting control of aquatic weeds such as cabomba, watermeal, water lettuce, duckweed and, as part of a tank mix, hydrilla. Clipper, which works best during the early-growth stage of most weeds, also has shown promise for control of some species of algae. Because studies show Clipper dissipated quickly from the water column and did not accumulate in the sediment, Valent Professional Products national sales Mike Riffle said it is less of an environmental concern than other, more persistent herbicides. Studies have also shown that Clipper can be applied to control floating or submersed weeds, providing flexibility to applicators. Besides providing aquatic resource managers with a new mode of action, Clipper also has low use rates of 6 to 12 ounces of product per surface acre on floating and emergent weeds and 100 to 400 parts per billion (ppb) on submersed weeds, according to Riffle.

A systemic herbicide with long-lasting residual control, the active ingredient in Tradewind, bispyribac-sodium, is an acetolactate synthase (ALS)-inhibiting herbicide that controls floating and submersed aquatic weeds. Mostly stable in the water column, Tradewind studies show an excellent toxicology profile with minimal impact on native species. Based on operational treatments over the last three years, Tradewind provides excellent control of hydrilla. According to a joint study by the University of Florida's Center for Aquatic and Invasive Plants and the U.S. Army Engineer Research and Development Center, Tradewind applied at a concentration of 20 ppb and with eight or more weeks of exposure resulted in greater than 90% biomass reduction and growth inhibition in both hydrilla and Eurasian watermilfoil in growth chamber studies.<sup>3</sup>

A separate report by researchers at the Center for Aquatic and Invasive Plants on the efficacy of Tradewind on hydrilla in ponds, meanwhile, determined that "a single application of 45 ppb bispyribac-sodium will provide one year of hydrilla control depending upon the time of year in which the herbicide is applied."<sup>4</sup> "You can get six to 12 months of control of hydrilla consistently with bispyribac," Dr. Haller said. "I think bispyribac is as good as or better than other ALS-inhibitors. We want to kill hydrilla; we don't want to kill any native species. Bispyribac has advantages in terms of selectivity." Dr. Haller said Tradewind was "safe" with regard to non-target aquatic plants such as maidencane, Kissimmee grass and sagittaria plants based on EC50 ( $\mu\text{g/L}$ ) values. Additionally, Dr. Haller said, Tradewind when tested at 27 ppb at Florida's Sand Mine Lake did not adversely affect cattail or coontail.

Providing aquatic resource managers with new tools in the fight against invasive weeds, Clipper and Tradewind are complementary products that can be used as combination partners or in rotation with other products. By bringing new treatment options to an industry in need of them, Clipper and Tradewind will also help the increasingly important battle against resistance and hopefully, help reclaim more of the nation's waters and wetlands from noxious, invasive weeds.



# SCAPMS 35th Annual Meeting Schedule and Information

## Wednesday, October 23, 2013

Springmaid Conference Center

Board Meeting	10:00am - 11:00am	TBA
Registration	11:00am - 5:00pm	
Meeting	1:00pm - 5:00pm	
President's Reception	6:00pm - 10:00pm	Exhibits Area



## Thursday, October 24, 2013

Springmaid Conference Center

Registration	8:00am - 5:00pm
Meeting	8:30am - 12:00pm
Lunch	12:00pm - 1:00pm
Workshop	1:00pm - 4:00pm

Scholarship Golf Tournament 12:00pm - 5:00pm

Stress Relief Session	5:00pm - 6:30pm
Awards Banquet	7:00pm - 10:00pm

## Friday, October 25, 2013

Springmaid Conference Center

Registration	8:00am - 12:00pm
Meeting	8:30am - 12:00pm
Adjournment	12:00pm



## Meeting Registration

Registration fees for the meeting are \$95 for regular members, \$30 for students, and \$300 for sustaining members if paid prior to **September 30**. After the deadline and on the day of the meeting all registration fees will increase by \$20. The \$30 student fee will be waived for students giving papers.

The registration fee includes admission to the meeting, the President's Reception on the 23<sup>rd</sup>, lunch, dinner and stress relief session on the 24<sup>th</sup>, all breaks, and 2013-2014 membership dues. The sustaining membership fee includes two registrations, booth space, annual membership dues, and admission to all sponsored events excluding golf. **By pre-registering you save money and help us in planning exhibitor space, meals, breaks, and ice cold refreshments!**



## Annual Meeting Info. and Registration

### Hotel Accommodations and Reservations

The Society has reserved a block of rooms at the Springmaid Beach Resort for around \$55.00 per night, plus tax. Reservations may be made by using the links on the web site or by calling **866-764-8501**. The meetings will be held at the Springmaid Beach Resort Conference facility, October 23-25, 2013. Registration is \$95.00 for all 3 days and includes a regular annual membership.

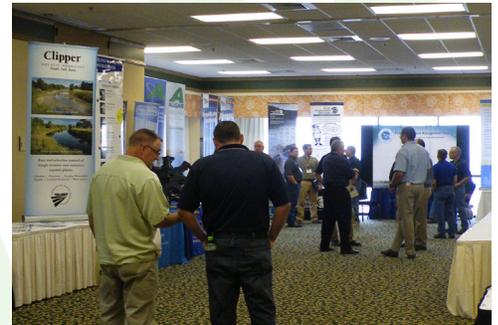
**Full details can be found on our Web Site - [www.scapms.org](http://www.scapms.org)**

There are plenty of meetings, social events, field trips, and yes even golf! Plan to attend and make your reservations if possible by September 30th.

**Springmaid Beach Resort 3200 South Ocean Blvd. Myrtle Beach, SC 29577 • Phone: 866-764-8501 or 843-315-7100.**

### Exhibits

The annual meeting offers the opportunity for the membership to view our commercial member's displays and talk to them about their products and services. The time spent talking to technical representatives, obtaining new efficacy and safety literature is fundamental to the professional development of our membership. All breaks and hospitality functions will be held in the exhibits area to promote a relaxing atmosphere for obtaining technical assistance from our commercial sustaining members.



**Please call Casey Moorner at (843) 761-8000 ext 4776 for further**

### Registration

You can now register online for the 2013 Annual Meeting! VISA and MasterCard credit cards are accepted and you even have the option to mail in a check as well. You will also be charged a small convenience fee to offset the cost of online registration. For assistance with Registration, contact Chris Page: [pagec@dnr.sc.gov](mailto:pagec@dnr.sc.gov)

Both Regular Members and Sustaining Members can register here:

**<https://scapms.sportssignup.com>**

For assistance with Registration, contact Chris Page: [pagec@dnr.sc.gov](mailto:pagec@dnr.sc.gov)

**And remember Springmaid Beach Resorts is honoring the special conference rates if you decide to extend your stay over the weekend and make a vacation out of the conference!**



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2013 SCAPMS Golf Tournament Information

Test your short game skills at the 2013 SCAPMS Par 3  
Tournament sponsored by Syngenta!



The 2013 SCAPMS Golf Tournament will be held at Midway  
Par 3 golf course directly across the street from the conference  
center at the Springmaid Beach Resort.

The tournament will tee off at 1:30pm on October 24<sup>th</sup> and



consist of a full 18 holes. There will be prizes for overall  
lowest score, overall highest score, closest to the pin and for  
longest putts.

You can sign up and pay the \$25 tournament fees during the  
annual meeting.

SCAPMS is looking for a large turnout for golf tournament this  
year, as all the proceeds from the tournament will be donated to  
the scholarship fund.

If you have any questions concerning the tournament please  
feel free to contact Larry Feller at  
larry.feller@syngenta.com.



## Call for Papers

The Program Committee is accepting requests for presentations at the 2013 SCAPMS Annual Meeting. Papers covering all aspects of aquatic and wetland plant biology, use and control will be considered. Student presentations are encouraged with possible cash prizes. Submit - Title, author, organization, and address exactly as you want it to appear on the program. Two or three sentence abstracts are needed to ensure recertification credits for attendees.

**Please reply on or before October 1, 2013.**

**We are requesting that all persons using PowerPoint bring their presentations on CD or thumb drive.**

A laptop and projector will be provided. Fifteen minutes will be allowed for presentations. Special requests for additional time or equipment should be directed to the Program Chairman. Those interested should contact the President:

Todd Horton  
toddh@sepro.com



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