

Midsouth Aquatic Plant Management Society

Newsletter

Volume 29 Number 1

January 2011

BOARD OF DIRECTORS

Officers

HARRY KNIGHT – President
256-796-8704
harryknight@appliedbiochemists.com

TROY GOLDSBY – President Elect
256-582-9101
troyg@aquaservicesinc.com

SHERRY WHITAKER - Secretary
601-634-2990
sherry.l.whitaker@usace.army.mil

JUDY SHEARER – Treasurer
601-634-2516
judy.f.shearer@usace.army.mil

RYAN WERSAL – Editor
662-325-4595
rwersal@gri.msstate.edu

JASON CARLEE – Past President
205-664-6230
jcarlee@southernco.com

Directors

TOM BROADWELL
404-799-2152
tlbroadw@southernco.com

CRAIG AGUILLARD
337-363-6032
caguillard@estesinc.com

GERALD ADRIAN
610-594-1948
gerald.adrian@uniphos.com

CLIFF YOUNG
205-664-6072
cliyoun@southernco.com



Message from the President

Folks,

My first order of business is to thank you all for your support and the confidence you have shown in me by allowing me to be your MSAPMS president. I would like to thank all our sponsors, vendors and attendees for coming to our meeting this past October. Your attendance of our annual meeting and support of our group allows for such meetings to take place. I hope to expand upon such support within our organization. To this end, I would like to encourage you to help us grow our membership.

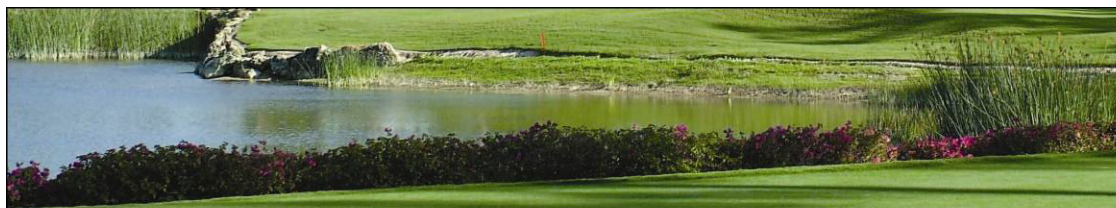
The MSAPMS has had some changes over the years as to who our core membership has been. It has always been strong in research and government entities. One of my goals is to work to expand our membership in many areas. To do this I am asking for your help. My idea is that anyone that has aquatic responsibilities should be a part of the MSAPMS. Please reach out to folks that you know who work in fisheries, aquaculture, potable and wastewater management, extension service personnel and even homeowner groups; and encourage them to take part in our society. Having a diverse group of members will help not only our membership roles but our industry as a whole. Hopefully, as more people understand our mission within the aquatic field our industry will benefit.

The APMS regionally, nationally and internationally has taken educating the public as one of our goals. To do this, publications of educational information for everything from grade school to the general public have been produced and provided to groups as requested. I believe we now need to make a concerted effort to reach people to become members and get involved.

Any input you have that could help us grow not only our society but our industry will be much appreciated.

Harry Knight

President, MSAPMS 2010-2011



syngenta.

2011 H₂O Pro™ Aquatic Herbicide Performance Guarantee

QUALIFYING PARTICIPANT: Professional aquatic applicators with total purchases of Qualifying Products during the 2010 Program Period (October 1, 2009 through September 30, 2010) of \$7,500 or greater **OR** total purchases of Qualifying Products during the 2011 Program Period of \$7,500 or greater.

QUALIFYING PRODUCTS: All Syngenta Products labeled for aquatic use and purchased from a Syngenta Authorized Distributor/Retailer/Agent, including but not limited to all package sizes of Reward® Landscape and Aquatic Herbicide and Refuge™ Herbicide.

TREAT WITH CONFIDENCE:

During the 2011 Program Period—October 1, 2010 through September 30, 2011:

- Apply Qualifying Products at the maximum labeled rate for the treatment area and in accordance with the product label(s). Use Qualifying Products in combination with any approved tank-mix partner in accordance with the label. For your convenience, the tank-mix partners for Reward are listed below.

...AND YOU'RE COVERED:

- If the Qualifying Product does not perform as stated under the Guarantee Terms and Conditions below, Syngenta will share up to 50% of the total cost of the Syngenta Qualifying Product used for retreatment.

GUARANTEE TERMS AND CONDITIONS:

- The Qualifying Product will control at least 70% of the treated, labeled weed(s) as compared to untreated areas with similar weed infestation, environment, weather, and other conditions.
- Claims must be filed within thirty (30) calendar days of application so that the claim may be verified and evaluated.
- Any claims under the H₂O Pro™ Aquatic Herbicide Performance Guarantee must be received by Syngenta on or before October 30, 2011. Go to www.syngentavm.com to file a claim.
- Only licensed professional aquatic herbicide applicators may participate in the H₂O Pro Aquatic Herbicide Performance Guarantee Program.
- To qualify, Claim Form must be filled out in its entirety.
- Syngenta reserves the right to verify all purchases. Syngenta reserves the right to add or delete Qualifying Products at its discretion.
- Syngenta will reimburse up to 50% of the cost of the Qualifying Product for one (1) retreatment. Claim subject to verification by Syngenta territory manager or other party designated by Syngenta. Reimbursement is at the sole discretion of Syngenta. Cost and reimbursement amount is based on price of the Qualifying Product used at the time of treatment. Syngenta may, at its discretion, reimburse with product or cash.

- Syngenta will not pay for the application or other costs of retreatment. The maximum benefit any individual claimant may receive for the 2011 Program Period is a \$50,000 contribution toward the cost of the retreatment.
- Program benefit is for weed control only; Syngenta will not pay for any other service, product, loss, or damages.
- Surface application of floating weeds (including surface algae) and submersed weeds (excluding subsurface algae) on Reward label are covered by the 2011 H₂O Pro Aquatic Herbicide Guarantee.
 - Minimum application rates for Reward are listed in the accompanying chart.
 - For very dense submersed populations of weeds, it is recommended to use Reward in combination with a copper-based aquatic herbicide or an endothall product from the approved tank-mix partner list set forth herein.

PERFORMANCE GUARANTEE RATES FOR REWARD*

Weed species	Gallons per surface acre
Algae (<i>Spirogyra</i> spp. & <i>Pithophora</i> spp.)	2
Bladderwort (<i>Utricularia</i> spp.)	2
Coontail (<i>Ceratophyllum demersum</i>)	2
Duckweed (<i>Lemna</i> spp.)	1
Elodea (<i>Elodea</i> spp.)	2
Frog's Bit (<i>Limnobium spongia</i>)	.75
Hydrilla (<i>Hydrilla verticillata</i>)	2
Naiad (<i>Najas</i> spp.)	2
Pennywort (<i>Hydrocotyle</i> spp.)	.75
Pondweeds (<i>Potamogeton</i> spp.)	2
Salvinia (<i>Salvinia</i> spp.)	.75
Waterhyacinth (<i>Eichhornia crassipes</i>)	.75
Waterlettuce (<i>Pistia stratiotes</i>)	.75
Watermilfoils (<i>Myriophyllum</i> spp.)	2

*Always follow product label use directions. The Performance Guarantee is valid only when Reward is applied at the rates identified above.

APPROVED TANK-MIX PARTNERS FOR REWARD**

Clearigate® copper-herbicide/algicide	Nautique™ herbicide
K-Tea™ algicide	Captain™ algicide
Komeen™ herbicide	Aquathol® herbicide
Cutrine®-Plus herbicide/algicide	Hydrothol® herbicide

**Other tank-mix combinations must be approved by a Syngenta territory manager prior to use to retain eligibility for the H₂O Pro Aquatic Herbicide Performance Guarantee.

To learn more about the 2011 H₂O Pro Aquatic Herbicide Performance Guarantee, contact Melissa Barron at 407.257.8043 or melissa.barron@syngenta.com.

©2011 Syngenta Crop Protection, LLC., 410 Swing Road, Greensboro, NC 27409. Important: Always read and follow label instructions before buying or using this product. The label contains important conditions of sale, including limitations of remedy and warranty. H₂O Pro™, Refuge™, Reward®, and the Syngenta logo are trademarks of a Syngenta Group Company. Captain™, K-Tea™, Komeen™, and Nautique™ are trademarks of SePRO Corp. Clearigate® and Cutrine® are trademarks of Applied Biochemists Inc. Aquathol® and Hydrothol® are trademarks of United Phosphorus.

**Minutes of the MidSouth Aquatic Plant
Management Society
Annual Business Meeting
October 13, 2010
Lake Guntersville State Park
Guntersville, Alabama**

The meeting was called to order by President Jason Carlee at 4:15 p.m.

Officer Reports

President's Report:

President Jason Carlee thanked all of the speakers for participating in the meeting.

Secretary's Report:

Secretary Sherry Whitaker stated that minutes from the last annual business meeting are available at the registration desk if anyone is interested in looking at them.

The Secretary, Sherry Whitaker, noted that there were currently 22 sustaining members, 55 individual members and 8 honorary members for 2009-2010.

An e-mail will be sent out to all members who were unable to attend the annual meeting. Each will be reminded to pay their dues in order to continue receiving Society news.

This year's workshop and meeting agenda were sent to the following 10 states for consideration of CEU's: Alabama, Georgia, Mississippi, Tennessee, Texas, Florida, Louisiana, North Carolina, Kentucky and South Carolina.

Treasurer's Report:

Judy Shearer was unable to attend. Secretary Sherry Whitaker stated that a breakdown of the Society finances is available at the desk if anyone is interested. Bob Van Arkel will give a breakdown of the findings of the audit in the Internal Audit Committee Report.

Editor's Report:

Ryan Wersal stated to the membership that if anyone is not receiving a copy of the newsletter via e-mail, please let him know.

Ryan also asked the membership to send him any old newsletters that anyone may have so that they can be placed on the website. It was noted that there are many new industry folks in attendance. Ryan has collected business cards and will be contacting all about sustaining membership and possible advertisements in the newsletter.

Troy Goldsby made a motion to accept the Officer Reports as presented, Linda Nelson seconded and voice vote made by all to accept.

Committee Reports

Membership Committee:

No report. (Covered in Secretary's report)

Program Committee, Site Selection:

No report.

Editorial Committee:

No report. (Covered in Editor's report)

Website Committee:

They are still looking for previous electronic or paper copies of meeting abstracts or newsletters to include in the archive section of the website.

All advertisements that are purchased for the newsletter will also be located on the MSAPMS webpage.

If anyone sees anything that needs to be changed or updated on the website, please let Ryan know and he will have it taken care of.

Internal Audit:

The financial records of the Society were audited by Bob Van Arkel and Tom Warmuth.

Bob Van Arkel reported that a discrepancy had been found while auditing the books. A \$125.00 deposit had not been recorded. After discussing this with absentee treasurer, Judy Shearer, the change was made in the books and they were determined to then be in order.

Nominating Committee:

The following slate was presented to the membership:

President-Elect – Troy Goldsby
Secretary – Sherry Whitaker
Treasurer – Judy Shearer
Editor – Ryan Wersal
Director ('10-'12) – Craig Aguillard
Director ('10-'12) – Gerald Adrian
Director ('10-'11) – Cliff Young (replacing Troy Goldsby)

No nominations were made from the floor. Harry Knight made a motion to accept this slate of nominees, Ryan Wersal seconded, voice vote by all to accept.

Scholarship Committee:

John Madsen reported that there were no applicants for this year's scholarship. He encouraged all graduate students and major professors to make sure they and their students submit an application for the scholarship.

Review of Bylaws

No Revisions

Review of Operating Manual:

No Revisions

A motion was made by Tom Broadwell to accept the committee reports. Ken Rust seconded, voice vote by all to accept.

Old Business

None.

New Business

None.

Jason thanked Harry for all of his planning and work on the meeting.

Linda Nelson made a motion to adjourn the meeting, Troy Goldsby seconded and the meeting was adjourned by voice vote at 4:25 p.m.



Greg J. Wall

Sales & Commercial Application
Industrial & Aquatics

P.O. Box 219
Sturgis, MS 39769
Bus. 662-465-6146
Fax. 662-465-8700
Eml. doublegobble@earthlink.net

HELENA CHEMICAL COMPANY

P.O. Box 626
Selma, AL 36702
Bus. 334-875-2737
Fax. 334-875-3814

MSAPMS Board of Directors will hold their mid-winter board meeting at Mississippi State University, Geosystems Research Institute March 17, 2010.



Melissa C. Barron
Southeast Aquatic Sales
Professional Products

Syngenta Crop Protection, Inc.
664 Hempstead Avenue
Orlando, FL 32803
Tel 407-257-8043
Fax 407-358-5389
www.syngentaprofessionalproducts.com
melissa.barron@syngenta.com

For further assistance, contact our
Customer Service Center at: 866-Syngenta (866-796-4368)

LittLine®

Littoral Zone Treatment Technology (Patent Pending)

BEST AVAILABLE TECHNOLOGIES (BAT) TO MEET THE 2011 NPDES PESTICIDES GENERAL PERMIT (NPDES PGP) REQUIREMENTS

The *LittLine*® is a Patent Pending Littoral Zone Treatment Technology that was developed to support increased efficacy from aquatic pesticide applications for the control of Aquatic Invasive Species (aquatic vegetation, cyanobacteria, mussels and fish). The 2011 NPDES PGP will require that all permittees minimize discharges through the use of the lowest effective amount of pesticides.

Through the use of the *LittLine*® technology, aquatic pesticides applications can target any portion of the water column, rather than the entire water column, thus allowing increased efficacy through the use of the lowest effective amount of pesticides in compliance with the 2011 NPDES PGP requirements.



The *LittLine*® has been used to control Hydrilla in Florida (25% aquatic herbicide reduction), and Eurasian Watermilfoil in California, Idaho, Montana and Wisconsin with up to a 50% reduction in aquatic herbicide use and increased efficacy in some areas (2008 Pend Oreille System, Pack River Idaho)



On October 28, 2009, the US Army Engineer Research and Development Center, Environmental Laboratory (ERDC-EL), and Clean Lakes, Inc. entered into a Cooperative Research and Development Agreement for the "Research and Testing of a System for Precision Littoral Zone Application of Aquatic Herbicides". The Scope of the Cooperative Research and Development Program is to provide for the joint conduct of research and development investigations related to coupling the *LittLine*® System (Littoral Zone Treatment Technology) with ERDC-EL Hydroacoustic Submersed Plant Mapping capabilities (SAVEWS™ and related developments). It is envisioned that these two technologies will be used together to achieve precision application of herbicides to submerged, nuisance aquatic vegetation.

The *LittLine*® is available for hire throughout the U.S., and or through a license agreement to meet your NPDES PGP requirements.

LITTLINE®

Littoral Zone Treatment Technology

www.littline.com

P. O. Box 3548

Coeur d'Alene, Idaho 83816

Phone: 208-665-1475

CLEAN LAKES INC.
Aquatic Ecosystem Restoration & Maintenance



29th Annual MidSouth Aquatic Plant Management Society Meeting Photos



2011 MSAPMS Board of Directors



Student Presenters



Old business



Carlton Layne receiving the President's Award



Jason Carlee recognized for his service as President



Until next time

MidSouth Aquatic Plant Management Society Applicator Workshop

John Madsen, Mississippi State University

The second annual MidSouth Aquatic Plant Management Society Aquatic Plant Management Applicator Workshop was held October 12, 2010, at Guntersville State Park, AL, prior to the annual meeting. Presentation topics and presenters included integrated pest management and biological control, chemical control, federal and state pesticide label restrictions, precision herbicide application guidelines, and identification and management of common southeastern aquatic weeds. Presenters included Dr. Michael Grodowitz, USAERDC; Dr. Chris Mudge, USAERDC; Mr. Carlton Layne, AERF and US EPA (retired); Dr. Wade Givens, Mississippi State University (now with Pioneer); and Dr. John D. Madsen, Mississippi State University.

Approximately 25 registered participants were in attendance; representing applicators, government agencies, and utilities. Continuing Education Credits were issued for a number of states in the southeast.

We look forward to possibly holding another workshop next year with the annual meeting.



Carlton Layne stressing the importance of reading labels



Wade Givens going over precision application technologies

Graduate Scholarship Update



I am currently a Master's Degree student in the Department of Plant and Soil Sciences under the direction of Dr. John Madsen. I was awarded

the 2009 MidSouth Aquatic Plant Management Scholarship, and wanted to give the society an update of my progress. My thesis research objectives include: Assessing plant community dynamics on the Ross Barnett Reservoir after management of alligatorweed, waterhyacinth, and hydrilla, using point intercept surveys and remote sensing technologies; developing new herbicide recommendations for alligatorweed; and screening diseased alligatorweed tissue samples from the Ross Barnett Reservoir for potential new fungal pathogens that may be developed into biological control organisms.

To date, I have finished my field research and herbicide screenings on alligatorweed. I have been working on the first draft of my thesis and hope to defend later this spring or early summer. I want to take this opportunity to thank the MidSouth Aquatic Plant Management Society, members, and industry supporters for awarding a scholarship to support graduate research.

Michael Cox

MidSouth Aquatic Plant Management Society 30th Annual Conference

Happy New Year to everyone and I hope your 2011 has started with many blessings! I am extremely excited about planning the 30th MSAPMS Conference and I look forward to seeing all of you in October. In the initial phases of planning I am looking at 3 areas of Alabama where we can meet. The Lake Guntersville State Park is certainly a candidate and just so you will know I am leaning heavily in that direction because of all of the positive feedback we have had from the previous 2 meetings. However, I am investigating possible meeting sites in northwest Alabama near Wilson/Pickwick reservoirs and south Alabama near Mobile Bay. My primary focus in choosing a location is making sure that location accommodates

our meeting needs at a price that is reasonable and also that the location is a friendly driving distance for all who want to attend. As the president-elect, I will also be planning the sessions for the 30th conference. I want to make sure that topics of interest are represented during the meeting. So, if you have any ideas that have not been presented at previous meetings, that will fit the general theme of aquatic plant management, please let me know. I really appreciate the opportunity to serve the society in this capacity and I look forward to seeing all of you soon. If you need to reach me please email me at troyg@aquaservicesinc.com or call me at 256-572-4464.

Troy L. Goldsby

President-elect, MSAPMS 2010-2011

For Healthy Ponds & Lakes

Find Out Why More Professionals Rely on Vertex

Our Aeration Systems:

- ◆ Help Prevent Fish Kills
- ◆ Reduce Unsightly Algae
- ◆ End Foul Odors
- ◆ Reduce Muck Accumulation
- ◆ Inhibit Mosquitoes & Midges
- ◆ Require Less Maintenance

Longest Industry Warranty

I've dealt with water problems for a long, long, time. Trust me, the Vertex Aeration Systems really worked by breathing new life into my lake and pond.

Bill Dance

Call our Vertex Specialists for more details!

1.800.432.4302

www.vertexwaterfeatures.com

Vertex Water Features
Lake Aeration Systems & Floating Fountains





Water Management Equipment

- Aerating Fountains
- Circulators
- Robust-Aire Diffused Aeration
- High Volume Surface Aerators

715-262-4488

www.kascomarine.com







MidSouth Aquatic Plant Management Society 30th Annual Conference 2011

First Call for Papers

Oral presentations will be 15 minutes, including questions. Presentations are encouraged on all aspects of aquatic and wetland plant management, biology, and ecology. Presenters are requested to register for the conference.

Please e-mail the Title Form, attached below, and a brief abstract (250 words or less) by July 31, 2011:

Troy Goldsby
Aqua Services, Inc.
23360 Hwy 431
Guntersville, AL 35976
troyg@aquaservicesinc.com

A computer and projector to handle Power Point presentations will be provided. No other presentation format will be supported. Please bring your presentation on a USB compatible flash or CD.

Title Form

Title: _____

Corresponding Author: _____

Affiliation: _____

Address: _____

Phone: _____ E-mail: _____

PLEASE DO NOT DELAY. MAKE PLANS TO ATTEND, PRESENT, AND PARTICIPATE IN THIS CONFERENCE. INVITE THOSE YOU ASSOCIATE WITH TO SUBMIT AN ABSTRACT AS WELL!

Editorial Guidelines

The MidSouth Aquatic Plant Management Society

Font: Times New Roman, size 12

Title: Bold, upper case. Align Left. End with period.

Author: Name follows Title, sentence case. Underline name of presenting author. Separate authors with commas. End with semicolon.

Affiliation: Sentence case. Include author's affiliation, address with zip code, e-mail address. If needed, insert semicolon and follow with second author's information. If there are three or more authors, add superscripts for clarity (for example, John Smith¹). Justify.

Body of Abstract: Leave one blank line between title/author/affiliations and the body of the abstract. No indentation; one paragraph only. Justify.

Scientific Names: For plants, animals, and microbes, etc., use the WSSA approved common name followed by the genus and species names in italics, wherever possible (for example, diquat dibromide).

Scientific Units: Use of Metric or English units are acceptable. Use of standard abbreviations is acceptable.

See example below:

LITTORAL ZONE PLANT COMMUNITIES IN THE ROSS BARNETT RESERVOIR, MS.

Wersal, R.M.¹, J.D. Madsen¹ and M.L. Tagert²; ¹GeoResouces Institute, Mississippi State University, Box 9652 Mississippi State, MS 39762-9652, rwersal@gri.msstate.edu. ² Mississippi Water Resources Research Institute, Mississippi State University, Box 9680 Mississippi State, MS 39762-9680

The Ross Barnett Reservoir is a 33,000 acre surface water impoundment created on the Pearl River near Jackson, Mississippi. The Reservoir is the primary source of potable water for the city of Jackson. It provides recreational opportunities in the form of fishing, boating, water sports, and onshore camping and hiking. In recent years, non-native aquatic macrophytes have increased in distribution, impeding navigation, fishing, and reduced the aesthetics of waterfront properties. We conducted a whole-lake survey in June 2005 to assess the distribution and abundance of plant communities in the Reservoir to serve as a starting point for a long term management plan. In October 2006 a survey of the littoral zone (water depths of ≤ 10 feet) was conducted based on the points sampled in 2005. A plant rake was deployed at each of 508 points visited. Species presence was mapped using handheld computers outfitted with GPS receivers, and data stored in database templates using Farm Site Mate software. A total of 21 aquatic or riparian plant species were observed growing in or along the shoreline of the littoral zone. American lotus and water primrose were the most common plant species observed in the littoral zone (17.7 % and 7.4% respectively). Non-native plants included alligatorweed (*Alternanthera philoxeroides*) (3.9%), waterhyacinth (*Eichhornia crassipes*) (2.9%), and hydrilla (*Hydrilla verticillata*) (0.6%). Bladderwort (*Utricularia vulgaris*), a native submersed aquatic plant was also observed (0.4%) for the first time. Overall, species occurrence was lower during in 2006 than in 2005.

Too Many Weeds Spoil the Fishing



Exotic invasive aquatic plants such as Hydrilla, Eurasian Water Milfoil, Curlyleaf Pondweed, Water Chestnut and Water Hyacinth can be detrimental to a healthy fishery in lakes across the country.

These invasive plants when left unmanaged can alter the ecosystem of lakes and reservoirs, causing a decline in the fishery, as well as interfering with other valued uses of waterbodies.

The Authoritative Leader in Aquatic Habitat Management

Successful aquatic habitat management is all about achieving a balance in the aquatic ecosystem. United Phosphorus, Inc. offers assistance and a full line of aquatic products for properly managing exotic and invasive plants and algae to achieve and maintain a healthy aquatic environment for native aquatic plants.

TO OBTAIN A COPY OF OUR VIDEO, *AQUATIC PLANT AND HABITAT MANAGEMENT*, CALL 1-800-438-6071



Aquathol® K and Aquathol® Super K Aquatic Herbicide

For selective control of Hydrilla, Curlyleaf Pondweed, Coontail and other Invasive and Nuisance aquatic plants.

Hydrothol® 191 Aquatic Herbicide & Algicide

A broad-spectrum herbicide and algicide. Hydrothol® 191 provides a companion product or an alternative to copper algicides when controlling difficult algae species.



United Phosphorus, Inc.
www.upi-usa.com

2011 MidSouth Aquatic Plant Management Society Scholarship Opportunity

The MSAPMS is seeking applications for the 2013 graduate student scholarship to be awarded at the 32th annual meeting at a place to be determined. One scholarship of \$2,000 will be awarded to a qualified student applicant.

To apply, The Scholarship Committee should receive the following information on or before June 3, 2011:

1. A cover letter which includes the applicant's previous, current, and future relationship to the aquatic plant management industry, and a comment on the importance of their proposed research to aquatic plant management.
2. Copies of official transcripts of undergraduate and any graduate work completed to date (these transcripts may be those issued directly to the student by the institution);
3. A letter from the student's major professor recommending the student for the scholarship, indicating that the student is currently enrolled and in good standing and has had their research proposal approved by their graduate advisory committee;
4. A copy of the approved graduate research proposal; and
5. One letter of recommendation, other than the major professor.

To enter an application or request more information, contact:

Dr. John D. Madsen
Mississippi State University
Geosystems Research Institute
Box 9652
Mississippi State, MS 39762-9652
Ph. 662-325-2428
E-mail. jmadsen@gri.msstate.edu



Cygnal Enterprises, Inc.

Products to enhance our water resources

Distributors of Lake and Pond management products from:

Applied Biochemists, BASF, BioSafe Systems, Brewer Int., UPI, Valent, Earth Science, Nufarm, Phelps Dodge, SePRO & Syngenta

132 Parcel Drive
Statesville, NC 28625

Neal Coulter

www.cygnalenterprises.com

**YOUR CHOICES FOR CONTROLLING
EURASIAN WATER MILFOIL,**

**ONE OF THE MOST
AGGRESSIVE, PROBLEMATIC, INVASIVE WEEDS
IN U.S. WATERS TODAY.**

Navigate
- 27.6% 2,4-D BEE
targeted release granule

Navitrol DPF
AQUATIC HERBICIDE

- 14% Triclopyr amine
Dry Particle Formulation
for targeted release



Selective
Herbicides,
Navigate
and Navitrol
control
invasive milfoil
and other
troublesome
aquatic dicots.

applied biochemists

an Arch Chemicals, Inc. company
www.appliedbiochemists.com
Ph: (800)-558-5106

For more information,
contact Harry Knight
Southern Regional Sales Manager
Ph: (256)-796-8704
harryknight@appliedbiochemists.com

Aquatic Weed Short Course

Greetings!

Mark your calendar and plan to take part in the 2011 Aquatic Weed Short

Course to be held May 3-5, 2011 at the Coral Springs Marriott Hotel, Golf Club, and Convention Center in Coral Springs, FL.

The short course is designed to benefit those new to the industry and experienced professionals seeking a comprehensive update. Topics include:

- * General Standards (CORE) Training
- * Pesticide Application Equipment Calibration Training
- * Plant Identification
- * Aquatic Pest Control Category Training
- * Natural Areas Weed Management Training
- * Right-of-Way Weed Management Training

A representative from the Florida Pesticide Certification Office will be available at the short course to answer questions regarding CEUs and Florida licensing requirements.

Commercial, Public and/or Private Pesticide Applicator Certification testing will be offered on Thursday, May 5th from 1:15 - 4:30pm. There is no charge for taking an exam. Please visit the conference website for more information on the available exams.



Online Register Today!

<http://conference.ifas.ufl.edu/aw/index.html>

Be sure that your organization is budgeted to attend this valuable training.

Early Reduced Registration Fee

(By February 25, 2011) \$240.00

Regular Registration Fee

(By April 8, 2011) \$290.00

Late Registration Fee

(After April 8, 2011) \$340.00

Student Registration Fee

\$115.00

The registration fee, combined with funds contributed by our generous sponsors, provides each attendee with the educational program, course materials, a Book of Presentations, morning, mid-day and afternoon refreshments, and Tuesday evening's welcome reception. Up to 20 Florida Continuing Education Units (CEUs) may be earned by attending this course.

Please feel free to contact me personally should you have any questions about the 2011 Aquatic Weed Control Short Course.

Sincerely,
Jhanna Gilbert, CMP
Short Course Coordinator
PO Box 110750 | Bldg. 639 Mowry Rd.
Gainesville, FL 32611-0750 | USA
PH 352-392-5930 | FAX 352-392-9734
jhanna@ufl.edu



AQUATIC SPRAY APPLICATION AND HABITAT RESTORATION

Dan Prevost
Co-Owner

662-769-2440
dan@aquatic-restoration.com

www.aquatic-restoration.com



Don't throw your money away.

WhiteCap® SC herbicide controls many troublesome aquatic weeds while helping you control your costs.

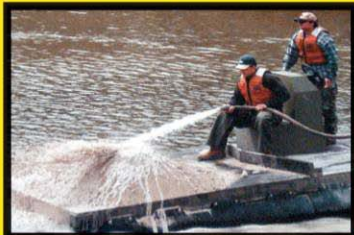
Visit PhoenixEnvCare.com or contact Craig Smith, at 561.301.8326.



©2011 Phoenix Environmental Care, LLC. WhiteCap® SC is a registered trademark of Islandia, Inc. The Phoenix logo is a registered trademark of Phoenix Environmental Care, LLC. Always read and follow label directions.

WE CAN HANDLE ANY OF YOUR LAKE & POND MANAGEMENT NEEDS.

Endorsed by
BILL DANCE



At Aqua Services, we have over 20 years of experience meeting the lake and pond management needs of land owners throughout the South. Put our experience to work for you.

- Aquatic Vegetation Management
- Electro-Fishing Surveys ▪ Fish Stocking
- Lake and Pond Design ▪ Water Quality Testing
- Liming and Fertilizing ▪ Grass Carp
- Yearly Maintenance Plans

AQUA SERVICES, INC.

1-888-669-3337

23360 Hwy. 431, Guntersville, AL 35976
www.aquaservicesinc.com

The Only CAUTION Label Algaecide in the Industry!

F-30 Algae Control, starting at
\$12-\$14/gallon

Double chelation
Low pH makes F-30 more effective in hard water
Safe for use with fish
High quality chelators keep copper from falling out

F-40 Enviro-Blue, starting at

\$17-\$23/gallon

Screen out excess sunlight
Highly concentrated
Lasts up to 6 months Non-toxic

Devoted to the
beautification of
aquatic environments

Phone: 949.582.5414
www.dwiwater.com

Featuring the
Formula F-series
line of Aquatic
Treatment Products



DAVIDSON WATER SYSTEMS

Cygnnet Enterprises, Inc.

132 PARCEL DR.
STATESVILLE, NC 28625

NEAL COULTER
Southern Region Manager
Aquatic Specialist

Office (704) 883-8833
(800) 661-7909
Fax (704) 883-0505

Web Page: www.cygnnetenterprises.com
Email: ncoulter@cygnnetenterprises.com

CLA and RISE More Than Skeptical About EPA Cost Estimates for NPDES

11/11/10

Last week, EPA released a proposed information collection request (ICR) estimating that the upcoming NPDES pesticide permit program will take over a million hours and cost more than \$50 million a year to collect, report and evaluate information. While these numbers in EPA's estimate look large in aggregate and on the surface, CropLife and RISE think EPA has low-balled the real cost of NPDES permitting. The proposal serves as notice that EPA plans to submit the ICR to the Office of Management and Budget (OMB) for approval and is seeking public input. It suggests that, annually, it will take the estimated 365,000 permittees and 45 permitting authorities about 987,904 hours and 45,809 hours, and cost \$50,109,969 and \$1,740,754, respectively, to implement and comply with the permit. The agency is "requesting comments from very small businesses (those that employ less than 25) on examples of specific additional efforts that EPA could make to reduce the paperwork burden for very small businesses affected by this collection."

Based on the comments received, EPA says it will revise the ICR as appropriate and submit a final ICR package to OMB for approval; stakeholders will also be able to submit additional comments to OMB. These estimates will be revised based on the final permit, which EPA expects to release in early 2011. The pesticide industry and user community strongly believe that the proposed ICR significantly underestimates the time and cost of implementation and compliance with the permit, and will be submitting comments to EPA suggesting a more realistic view of the actual regulatory burden.

MSAPMS Student Award Winner Begins Professional Career in Aquatics

SePRO Corporation
01/12/2011

The mission of the Aquatic Plant Management Society and its regional chapters includes many focused research, educational and outreach activities to improve the understanding and management of aquatic

vegetation. One of the Society's core purposes is to provide opportunities for the advancement of its student members. Mr. West Bishop, Clemson University, has been an active student participant in the APMS and many regional chapters in recent years, providing the exchange of information in the areas of aquatic toxicology and quality algal management with his presentations, posters and published articles.

Following completion of his Master of Science degree with Dr. John Rodgers, Jr., Mr. Bishop elected to start his professional career and stay focused in aquatics and specifically algae research and management. SePRO Corporation recently welcomed West as *Algae and Aquatic Research Scientist*. Mr. Bishop will be stationed at SePRO's Research and Technology Campus in Whitakers, NC where he will be developing SePRO's full-line of existing aquatic algaecides and pipeline of new technology. Professional applicators and water resource managers will benefit from Mr. Bishop's innovative ideas for algae and aquatic resource management through his technical support and contributions in research.

On a personal note, West and Marguerite Bishop were recently married and have relocated to the Whitakers, North Carolina area.

SePRO Corporation selected by BASF Professional Vegetation Management to market Clearcast[®], Clearcast[®] 2.7G, Habitat[®] and Oasis[®] herbicides

SePRO Corporation
01/07/2011

In 2010, SePRO was selected by BASF to be the exclusive marketer of these herbicides for the U.S. aquatic market. In addition, SePRO and BASF have entered into a development agreement and will work together to bring additional new and innovative aquatic products to this market in the future.

Clearcast, which contains the active ingredient imazamox, is a liquid aquatic herbicide used to control floating, emerged and riparian weed species while allowing desirable plants to colonize.

Clearcast 2.7G, which also contains imazamox, is the new granular formulation of the herbicide providing a solution for immediate delivery of

Clearcast to target plant zone and in spot or partial lake treatment scenarios with higher dilution potential. These Clearcast formulations are providing new control solutions for aquatic weed species such as curlyleaf pondweed, *Hydrilla*, frogbit, and selective control of riparian species such as cattails, *Phragmites*, and Chinese tallow tree.

Habitat, which contains the active ingredient imazapyr, is a liquid herbicide that provides control of a broad-spectrum of weeds in and around standing and flowing water; including estuarine and marine sites. Habitat provides

excellent control of weed species, such as *Arundo*, cattails, *Phragmites*, wetland hardwood brush and alligatorweed.

Oasis, which contains the active ingredient topramezone, is a HPPD (enzyme) inhibiting herbicide (similar mode of action to Sonar, bleaching) currently being evaluated under a United States Environmental Protection Agency (EPA) Experimental Use Permit. Oasis field development will continue in 2011 and updates on performance, and EPA Section 3 registration status will be provided in the future.

Advancing the Science of Aquatic Plant Management for 17 Years

Vision. Science. Solutions.

SePRO Corporation remains committed to developing innovative solutions to advance the science of aquatic plant and algae management. Focused research and development initiatives have resulted in several novel treatment solutions including;

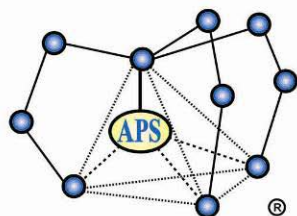
- Renovate® MAX G
- Clearcast® 2.7G
- SeClear*
- SonarGenesis*

For more information about SePRO products, please contact **Todd Horton, SePRO Aquatic Market Development Manager** at 864-270-5292 or toddh@sepro.com

Driven to Discover 

Renovate is a registered trademark of Dow AgroSciences LLC and is manufactured exclusively for SePRO Corporation. Clearcast is a registered trademark of BASF Corporation. Always read and follow label directions. ©Copyright 2010 SePRO Corporation.





Applied Polymer Systems, Inc.

The Originator of Floc Log, Silt Stop, and Pond Log Products

www.siltstop.com

established 1997

Floc Logs



Pond Logs



Powders



Emulsions



Applied Polymer Systems manufactures eco-friendly products
and is dedicated to providing education on polymer enhanced technology.

Thank you to Our Sustaining Members for Supporting the MidSouth Aquatic Plant Management Society

BioSafe Systems, LLC
Applied Polymer Systems, Incorporated
United Phosphorus, Incorporated
Phoenix Environmental Care
Alabama BASS Federation Nation
Trans America Product Technology, Inc
Cygnnet Enterprises
Valent
Aqua Services, Incorporated
Syngenta Professional Products
SePRO Corporation
Kasco Marine
Helena Chemical Company

Applied Biochemists
WinField Solutions, LLC
Alabama Power Company
Crop Protection Services/Timberland
Auburn University Fisheries
Sharda USA, LLC
Clean Lakes, Incorporated
Aquascape, Incorporated
Vertex Water Features
Future Horizons, Incorporated
Aquatic Restoration Services
Brewer International

WebSite Committee

We are in the process of putting together an archive section on the MSAPMS website containing past issues of the newsletter and abstracts from meetings. If you have old newsletters and/or programs please send them to Ryan Wersal to be scanned into an electronic format for posting to the website.

Send to:

Ryan Wersal
Geosystems Research Institute
Box 9627
Mississippi State, MS 39762
rwersal@gri.msstate.edu

Calendar of Events

**Northeast Aquatic Plant Management
Society Conference**

Jan 18-20, 2011
New Castle, NH
www.neapms.net

**Weed Science Society of America
Annual Meeting**

Feb 7-10, 2011
Portland, OR
www.wssa.net/Meetings/WSSAAnnual/Info.htm

**Midwest Aquatic Plant Management Society
Annual Conference**

Feb 27 - Mar 2, 2011
Grand Rapids, MI
www.mapms.org

**Western Aquatic Plant Management
Society Conference**

Mar 28-30, 2011
Denver, CO
www.wapms.org

Aquatic Weed Control Short Course

May 3-5, 2011
Coral Springs, FL
<http://conference.ifas.ufl.edu/aw/index.html>

**Aquatic Plant Management Society
50th Annual Meeting**

July 24-27, 2011
Baltimore, MA
www.apms.org



May newsletter deadline, April 15, 2011. Send information to rwersal@gri.msstate.edu.