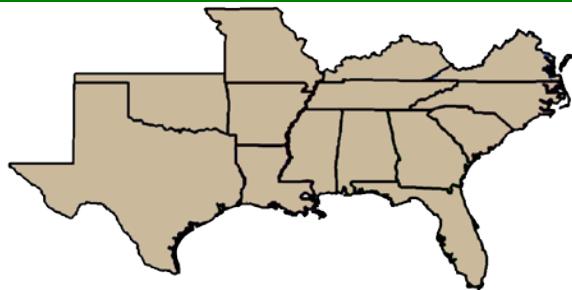


SWSS



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SWSS

www.swss.ws

President's Message

Dr. Barry J. Brecke

I hope this message finds you all well on your way to a successful season in your weed science activities. The SWSS has been active since the last newsletter and I will mention a few of the highlights here.



2012 Meeting in Charleston, SC

Tom Muller and his Program Committee are developing a strong program for the 2012 SWSS Annual Meeting at the Francis Marion Hotel in Charleston, SC. There will be symposia and some special events along with the regular program. Tom has provided more information on the 2012 program elsewhere in this Newsletter.

The Executive Board met at the Francis Marion in June and found the facilities at this historic hotel to be excellent. Local Arrangements Chair Bert McCarty and his Local Arrangements Committee are working hard to make the Charleston meeting a success. Bert is working on some potential tours during the meeting, possibly on the afternoon of Sunday, January 22.

Spouses Program

Larry Newsom and Lisa Smith will again be in charge of the Spouses Program. We will again have a meeting area set up for the Spouses. Look for more details in the future about the many opportunities for spouses in Charleston. The Francis Marion is located in downtown Charleston and is near many sites of interest.

Call for Paper/Poster Title Submission

SWSS members should have received e-mail notification that Paper/Poster titles can now be submitted through the SWSS Website. The announcement is also listed elsewhere in this newsletter. We will be utilizing a new system for Paper/Poster Title and Abstract submission for the 2012 SWSS Meeting. The system is the one used by WSSA last year (slightly modified for SWSS needs) and so those who submitted titles for the 2011 WSSA meeting are familiar with the process. The procedure is fairly straight forward and it will make creation of the final program much easier and more efficient than in the past.

(Presidents message continued...)

MOP Update

The SWSS Manual of Operating Procedures is the document that describes how the SWSS is to conduct its business including specific duties of the SWSS Officers and Executive Board, description of the various SWSS Awards and SWSS Committees. The Executive Board is in the process of updating the MOP since the current version was last revised several years ago. This is a time consuming and tedious task but several sections were out of date and in need of significant revision. We plan to have the process completed by no later than the time of the SWSS Annual Meeting in January. Once the Executive Board approves the revised MOP it will be posted on the SWSS website.

2012 SWSS Golf Tournament

There will again be a SWSS Golf Tournament as part of the 2012 SWSS Meeting. Last year the Golf Tournament in San Juan generated \$10,755 for the SWSS Endowment Fund. This year the event will be held at the Wild Dunes Golf Course near Charleston. Tom Holt and Bert McCarty are working to make this a successful outing. More information has been made available to the SWSS membership, is available on the SWSS website and is mentioned elsewhere in this Newsletter.

Committees:

Award Nominations

It is time again to nominate your fellow SWSS members that you feel are deserving of one of the SWSS awards. Specific information concerning the SWSS awards was sent to the SWSS membership and is also listed in the Newsletter. Please take the time to nominate those deserving of an award. The Awards Ceremony is an important part of the SWSS Annual Meeting that is not possible without your participation. Tom Holt, Awards Committee Chair, is looking forward to your help with this process.

WeedOlympics

The first ever WeedOlympics was held on July 27 at Knoxville, TN. The WeedOlympics was a national Weed Science contest among student members of the North Central Weed Science Society (NCWSS), Northeastern Weed Science Society (NEWSS), Southern Weed Science Society (SWSS), and the Western Society of Weed Science (WSWS). This new event brought over 140 weed science graduate and undergraduate students together from all over the U.S. and Canada. The WeedOlympics was coordinated by Jim Brosnan and Greg Armel who did a great job with the Weed Olympics. The events were very well organized and I commend them and their crew for a job well done. The SWSS winners of the various events will be announced at the SWSS Awards Banquet in Charleston.

A Return to San Juan

Following the meeting last January I heard many comments suggesting that the SWSS should return to San Juan for a meeting in the future. Many indicated they were also interested in holding a joint meeting with another professional society. With this in mind, I have asked Tom Holt, Darrin Dodds, Larry Steckel and Todd Baughman to serve as an ad hoc committee to assess the feasibility of holding a joint meeting with another professional organization during 2015 in San Juan, PR. The Committee will report to the Executive Board at the winter meeting with recommendations for a joint meeting partner. More on this topic in the future.

Please plan on participating in the 2012 SWSS Annual Meeting. The meeting site is great, the program will be outstanding and you will have the opportunity to renew old acquaintances and make new friends.

Join SWSS in Charleston...

Charleston, SC - A Beautiful, Charming Southern City

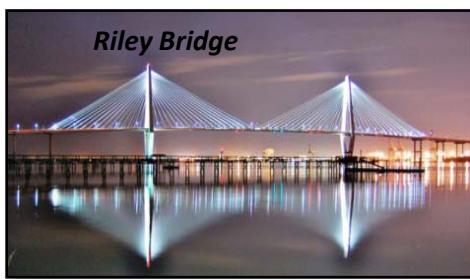
Bert McCarty, Chair
Local Arrangement Committee

The local arrangement committee is working hard to ensure a very successful meeting, both professionally and personally, in Charleston this January. Charleston is a great meeting location as it is famous for its numerous eating, shopping and entertainment options. Average daytime high temperatures during the meeting are in the upper 50Fs (that sure would feel good now) and an average low of 42F. The Charleston International airport is about a 20 minute cab ride to the Francis Marion Hotel which is located downtown at a cost of about \$20.



Several options are being planned for the Sunday prior to the meeting. Golf will be held at Wild Dunes Resort, a Tom Fazio design located on the Isle of Palms, a barrier island about 20 minutes from the meeting. For those interested in other options, two tours are being planned. One is a combination of the world famous horse drawn carriage tour of the city with local information on its history, architecture, and inside stories. Following this, a harbor

boat tour will allow unique viewing of the city's historic water-front (Battery) including the guns which fired on Fort Sumter (remember, the start of the Civil War) and viewing of Fort Moultrie, The USS Yorktown aircraft carrier and submarine, the new Riley Bridge, and the SC Aquarium. An additional tour will view old Southern plantation houses and grounds including Middleton Place, Magnolia Plantation & Gardens, Drayton Hall and the Citadel. Many additional things are available to view including the SC State Aquarium, Patriots Point Naval & Maritime Museum, the Charleston Museum, Boone Hall Plantation, the Hunley submarine, The Market, and Charles Towne Landing.



The Spouse's program during the meeting will also offer many of the above sites plus others. Charleston is a beautiful city with much to offer spouses, much of it within walking distance to the hotel. The shops and restaurants in the general vicinity are too numerous to count. Travel to Charleston is via I-95 and I-26 or through its International Airport.

**SWSS Golf Tournament –
January 22, 2012
Wild Dunes Golf Course**

By popular demand and President-Elect (Program Chair) **Tom Mueller's** "command" we "will have", or attempt to have, a SWSS Golf Tournament in Charleston.

Bert McCarty (Tournament Coordinator) has helped arrange the event location which will be at **Wild Dunes** which is approximately 20 miles north of our hotel.



Wild Dunes 18th hole

<http://www.wilddunes.com/south-carolina-golf-courses.php> (Be sure to watch the video.)

Of course we run these tournaments for a couple reasons and there are several considerations, some of those being:

1. All the proceeds go to support the **SWSS Endowment Fund**. We raised \$12,267 at the golf tournament in Orlando and \$10,755 last year in Puerto Rico.
2. We "hit" companies for value-in-kind (V-I-K) to pay for the course and Hole Sponsorships to raise the bulk of the proceeds. Hole Sponsorship allows the participating companies "free" entries (1-4) depending on level of support. We will do the same for this tournament.
3. Entry fees are kept to a minimum for the players.
4. Getting to Charleston in time for the tournament will ensure you are there for the start of the meeting. Hopefully it will allow your spouse to start enjoying Charleston, a marvelous city as well.
5. An obvious consideration is **weather**. According to my Google searches average lows (presumably mostly at night) are ~ 45 F° and average highs are ~ 60 F°. There will be a weather limit -- go-no-go decision. This course is on the coast, so we might expect some wind. On a positive note, it will probably be as nice as an average summer day in Scotland – where "golf" began.
6. We will square up the VIK after the tournament takes place; that will also allow us to make a more accurate VIK assessment.

This is the 1st announcement, further information and a sign-up form will be coming soon on the SWSS Website.

We hope you participate!!!

*2011 1st Place Team (and cup holders)
Mueller, Senseman and Holt*



Call for Paper & Poster Titles

The deadline for title submission this year will be **September 23, 2011**. New this year is that SWSS is using the same software package to handle our title submission, abstract collection, and PowerPoint files as the WSSA. Over the years, there has been considerable confusion about how paper titles, etc are handled. The SWSS board wanted to simplify our processes, so we decided to use the same software as the WSSA. This is done at reasonable cost, and as your program chair I hope you enjoy this change. If at any time you have issues, please email me and I will assist you in the process (tmueller@utk.edu).

You are invited to submit titles for papers and posters to be presented at the 2012 annual meeting of the *Southern Weed Science Society*. The meeting will be held January 23-25, 2012 at the Francis Marion Hotel in Charleston, South Carolina.

Papers and posters may be submitted to one of the following sections:

- Graduate Student Oral Contest papers
- Weed Management in Agronomic Crops
- Weed Management in Turf
- Weed Management in Ornamentals
- Weed Management in Pasture and Rangeland
- Weed Management in Horticultural Crops
- Vegetation Management in Utilities, Railroads & Highway Rights of Way; Industrial Sites
- Weed Management in Forestry
- Physiological & Biological Aspects of Weed Management
- Educational Aspects of Weed Science
- Regulatory Aspects related to Weed Science
- Soil & Environmental Aspects of Weed Management
- Weed Management in Aquatics
- Weed Management in Organic Production Systems
- Posters
- Graduate Student Symposium (Titles input by Tom Mueller)
- Stewardship Symposium (Titles input by Neil Rhodes)
- Dicamba symposium (Titles input by Jeff Travers)

Paper sessions will consist of 15 minute presentations. Workshop/Symposia presentations are by invitation and may be longer than 15 minutes allotted for volunteer papers. Periods for discussion will be interspersed in the sessions. Section Chairs are:

Graduate Student contest oral papers-----	Drew Ellis
Graduate student symposium-----	Dustin Lewis (Grad student rep)
Weed Management in Agronomic Crops-----	Larry Steckel
Weed Management in Turf-----	Gerald Henry
Weed Management in Ornamentals-----	Renee Keese
Weed Management in Pasture and Rangeland-----	G. Neil Rhodes, Jr.
Weed Management in Horticultural Crops-----	Tom Mueller

(Section chairs continued...)

Vegetation Mgmt. in Utilities, Railroads & Highway Rights of Way, Industrial Sites-----	Vernon Langston
Weed Management in Forestry-----	Andy Ezell
Physiological & Biological Aspects of Weed Management -----	Joe Armstrong
Educational Aspects of Weed Science-----	Tom Mueller
Soil & Environmental Aspects of Weed Management -----	Adam Hixson
Regulatory Aspects -----	Jerry Wells
Weed Management in Aquatics-----	Rob Richardson
Weed Management in Organic Production-----	W. Carroll Johnson
Posters-----	Bob Scott

Submission of Titles

Title submission process for the 2012 meeting is new this year. We will be using the WSSA submission system, which is accessible from the SWSS website (<http://www.swss.ws>) by clicking the “Submit Title/Abstract” link on the homepage. Alternatively you can go directly to the submission website (<http://www.wssaabstracts.com>). See the instructions below for using the system.

Titles are due no later than September 23, 2011. Program and instructions for abstracts will be sent later to the presenter. Abstracts will be due not later than **January 19, 2012**.

Authors are encouraged to submit their best research and other results for presentation at the SWSS meeting. Each author is assured of one senior-author presentation, but multiple senior-author submissions will be accepted only as space and time is available. If you have several papers you wish to present, please indicate which is highest priority by adding a note in the comments section on the title submission form, or emailing Tom Mueller at his email address of tmueller@utk.edu .

Graduate students will follow procedures similar to those in the past. Select “Graduate” on the title submission form and choose either paper or poster session for the submission.

Participation in Symposia/Workshops will be by invitation and titles will be submitted separately from the other sections.

Title and Abstract System

On the WSSAAbstracts.com homepage, follow these steps:

- 1.) Login
 - If you've previously used the WSSA abstract system, then enter your login name and password. The login name is your email address. If you've forgotten your password, click the 'Reset password' link on the right sidebar.
 - If this is your first time using the system, then you'll need to create an account. On the right side click "Setup New Account". Fill in your contact information and click "Submit". You'll receive an email with a link to set your password.
- 2.) After logging in, on the right sidebar click "Join a Conference". A dropdown box will appear in the middle of the screen. In the dropdown list, select 2012 Southern Weed Science Society. You only have to perform this step one time.
- 3.) Click the "Enter" button next to 'Southern Weed Science Society'.
- 4.) On the next page, click 'My Titles and Abstracts'. Click the 'Add New Title/Abstract' button, and then enter your title, section, authors and keywords.

Presentation of Papers

Only LCD Presentations will be used at the 2012 SWSS Meeting.

To ensure quality presentations and a smooth transition from presentation to presentation all presenters will be required to follow directions provided on the website. You can submit your PowerPoint files to the website before the meeting. See the website for details.

All presentations will be in PowerPoint 2007 for MS Windows (PC compatible). *Other formats such as MacIntosh/Apple will not be supported.*

Presentation size should be no larger than 100 MB. Use the “Compress” function from the “Picture Toolbar” in PowerPoint to reduce size of a file with pictures. Audio clips or sound are not allowed. Fonts used in the presentation are limited to basic ones such as Arial, Courier, or similar equivalents. Not all computers used at the meeting will support all fonts.

Animation is very strongly discouraged. Permission to use video must be prearranged. Contact the section chair before the meeting if you plan to use video clips. SWSS cannot guarantee proper functioning of the video.

Presenters will NOT be allowed to use their own computers during the sessions. More details will be provided in the December Newsletter for submitting presentations.

Poster Presentations

No substantive changes have been made in the rules for poster presentation at the 2012 conference. More information will be provided in the next newsletter.

Student Information

Students may enter the “Student Paper Contest” and “Student Poster Contest” only one time within a degree program. That is, students are eligible to compete in the Student Paper Contest once during a M.S. degree program and once during a Ph.D. degree program. Likewise, students are eligible to compete in the Student Poster Contest once during a M.S. degree and once during a Ph.D. degree program. A student may win first place in either paper or poster contest only once in a degree program and then compete again in a subsequent degree program. Rules for the Student Contest are presented in Manual of Operating Procedures (MOP) on SWSS website.

Specific questions pertaining to the Student Contest should be directed to Chair of the Student Contest: Drew Ellis (ATEllis@dow.com).

If you have any questions about submitting a title for the 2012 meeting contact:
Tom Mueller, 2012 Program Chair
University of Tennessee
Room 252 Ellington Building
2431 Joe Johnson Drive,
Knoxville, TN 37996
Tel: 865-974-8805
E-mail: tmueller@utk.edu

It's time to make your 2012 Award Nominations!

Great organizations such as the SWSS take time to recognize and celebrate successes. The SWSS is a society with many deserving members, so please take the time to make your nominations for the 2012 awards.

Tom Holt
SWSS - Past President, Awards Committee Chair

Call for Award Nominations

As a SWSS member, we need you to consider-and-nominate your fellow SWSS members for our Awards. We have a society full of young(er) and old(er) members who are all dedicated to our organization, and this is the time to recognize their contributions! An important function of our annual meeting is to recognize deserving members. Please review the criteria listed below for each award category, and begin thinking of deserving candidates. I would like to have multiple nominations for each of the awards. In order to accomplish this goal we need your assistance. If you are going to nominate someone for a specific award please notify that respective chairperson of your intentions immediately. The chairperson will work with you to gather the supporting information before the October 3rd submission deadline.

Awards Nominations and supporting information are due **October 3, 2011** to the respective Chairs of each award Sub-committee.

The awards and sub-committee chairpersons are as follows:

- *Distinguished Service Award, Academia*
- *Distinguished Service Award, Industry*

This award is the highest honor that the Society can bestow upon a member. It is given to honor members, one (1) from the industrial sector and one (1) from the academic sector, for outstanding service to the Society.

Chairperson – Brad Minton brad.minton@syngenta.com Phone: 281-289-2889

- *Weed Scientist of the Year*

This award is presented annually to a weed scientist in recognition of outstanding performance in teaching, research, extension, and/or other service to weed science

Chairperson - Don Murray, don.murray@oksate.edu, Phone: 405-744-6420

- *Outstanding Educator*

This award is presented annually to a weed scientist in recognition of outstanding contributions to the Society and Weed Science through education. The Award is to be given in recognition of a broad range of activities including formal classroom teaching; outreach and public service or extension including workshops, seminars, short courses, or other means of communication; mentoring undergraduate and graduate students; publication of scholarly work in journals, books, or reviews.

Chairperson - Andrew MacRae, awmacrae@ufl.edu, Phone: 813-629-1488

- *Outstanding Young Weed Scientist, Academia*
- *Outstanding Young Weed Scientist, Industry*

These awards are presented annually to a young weed scientist one from academia (teaching, research, extension) to be sponsored by BASF and one from Industry to be sponsored by the SWSS in recognition of outstanding service to weed science. The recipients must have been a voting member of the Society for at least three of the last five (5) years and must be a voting member of the Society in the year that the person is nominated for the award. They must be 40 years of age or younger on January 31 of the year she or he receives the award. They also must have completed at least five (5) years' work in weed science other than that related to academic studies.

Chairperson - Bob Scott, e-mail: bscott@uaex.edu, Phone: 501-837-0273

- *Outstanding Graduate Student, M.S.*
- *Outstanding Graduate Student, Ph.D.*

Must be enrolled as a graduate student in the degree program for which she/he is nominated within the calendar year for which the nomination is made and has actively participated in SWSS sponsored activities such as the annual meeting, weed contest, student paper contest, or committee work during the past two years including the year nominated and the previous year. The winners of the MS level Outstanding Graduate Student Award are not eligible for the PhD level Outstanding Graduate Student Award.

Chairperson - Daniel Stephenson, dstephenson@agcenter.lsu.edu

Phone: 318-473-6590

Complete qualification and nomination forms may be found on the SWSS website www.swss.ws.

Please take the time to nominate someone for these awards. Contact Tom Holt should you have questions at Thomas.holt@BASF.com or call 919-608-7870

Reminder...

The 2011 Proceedings from our annual meeting in San Juan, PR are now posted at the SWSS website (www.swss.ws). It is posted under the Publications tab on the left side of the page. Print copies will be available for order soon from Curran Associates (<http://www.proceedings.com/agriculture-conference-proceedings>).

SWSS members get a substantial discount. Use your SWSS Member ID# (this number is shown at the top of the Member Account Summary when you login to your Member Account). Thanks to Ted Webster, Proceedings Editor, and Tony White, Webmaster, for their work on this.

SWSS Annual Meeting Pre-Registration Open!

The member registration site is now open for you to pre-register for the annual meeting. The online registration site will remain open until December 22, 2011. Registrations after that time will need to take place through the SWSS Business Office or at the meeting. To register you must login to your SWSS member account or sign up as a new member.

Officer Elections Now Open Online

The 2012 officer elections are now open to SWSS members and will remain available until October 1, 2011. You will be required to login to vote and ballots can only be submitted once per member. Candidate pictures and bios are available on the election site. Elections will be held for the following offices:

- Vice President
- Member-at-Large (Industry)
- Member-at-Large (Academia)
- Board of Trustee (3 year term)
- Board of Trustee (5 year term)

Important SWSS Annual Meeting Dates

Pre-Registration	December 22, 2011
Title Submission	September 22, 2011
Abstract Upload	January 19, 2012
Hotel Pre-book	December 22, 2011
Annual Meeting	January 23-25, 2012

Upcoming Meetings

The VIth International Weed Science Congress, *Dynamic Weeds, Diverse Solutions*

The 6th International Weed Science Congress (IWSC) will be held on June 17 to 22, 2012 at the New Century Grand Hotel in Hangzhou, China.

Important dates to remember include:

Graduate Student Award competition by Dec. 1, 2011

Submit your abstract by January 15, 2012

Register with us by March 1, 2012



34th Rice Technical Working Group (RTWG) Meeting

Hot Springs Convention Center and Embassy Suites
Hotel in Hot Springs, Arkansas February 27 – March 1,
2012

Contact Dr. Chuck Wilson cwilson@uaex.edu for more information.

Weed Olympics - SWSS Winners

WeedOlympics was graciously hosted by Dr. Jim Brosnan and Dr. Greg Armel, along with a family of volunteers, at The University of Tennessee and included teams from NCWSS, NEWSS, SWSS, and WSWS. Six SWSS teams totaling 20 graduate student participants, representing Auburn University, University of Arkansas, University of Florida (individual teams representing both Agronomy and Horticulture Departments), and University of Georgia, took part in the 2011 WeedOlympics.



First Place

Univ. of Arkansas - Team A

Brent Johnson, Sandeep Rana, Reiofeli Salas,
Josh Wilson



Second Place

Univ. of Arkansas - Team B

George Botha, Pratap Devkota, Clay Starkey



Third Place

Univ. of Florida - Agronomy

Neha Rana, Sarah Berger, Anna Greis, Mike Durham

Individuals - Overall

First Place - Sandeep Rana, U. of Arkansas (A)

Second Place - Pratap Devkota, U. of Arkansas (B)

Third Place - Jatinder Aulakh, Auburn Univ.

Fourth Place - Josh Wilson - U. of Arkansas (A)

Fifth Place - Clay Starky - U. of Arkansas (B)

Sixth Place - Sarah Berger - U. of Florida (Ag)

Seventh Place - Rand Merchant - Univ. of Georgia

Eight Place - Brent Johnson - U. of Arkansas (A)

Ninth Place - Mike Durham - U. of Florida (Ag)

Tenth Place - George Botha - U. of Arkansas (B)

Individuals - Event Winners

Weed I.D. - Jatinder Aulakh, Auburn University

Herbicide I.D. - Josh Wilson, U. of Arkansas (A)

Calibration - Rand Merchant, Univ. of Georgia

Client Problem - Pratap Devkota, U. of Arkansas(B)

In Memory...Dr. Tom Eubank is the Necrology Chair and would request any information regarding members that have passed away this past year be sent to him at teubank@drec.msstate.edu.

People and Places

Dr. Richard Rudolph, Southern Regional Development Manager, will retire from Bayer CropScience December 31, 2011. After completing his graduate studies at the University of Arkansas, Richard spent 37 1/2 years with Bayer CropScience. With Bayer CropScience, Richard worked in Early Development, Technical Service, Field Development, and Regional Management.

Jeff Marvin, Joins PBI/Gordon as Field Research Station Manager

Jeff Marvin was recently hired as Field Research Station Manager, at PBI/Gordon near Kansas City, MO. Jeff will be responsible for managing the Turf Research Facility in Latour, MO, producing research protocols and coordinating the flow, analysis and summarization of data as they are generated from the many field studies conducted around the country.

Jeff currently is completing his Ph.D. in Plant and Environmental Sciences Turfgrass Science with minors in Plant Pathology and Experimental Statistics at Clemson University. Jeff studied under Dr. Bert McCarty.

Prior to beginning his graduate program, Jeff was a golf course superintendent at Orange Lake Resort, Kissimmee, FL—a 220 acre facility near Orlando. Jeff supervised 40-50 employees and managed a budget of \$3.3 million.

Jeff originally is from Pennsylvania and completed his undergraduate education (B.S. Turfgrass Science) at The Pennsylvania State University.

Jeff brings to PBI/Gordon a wealth of knowledge about the technical aspects of turfgrass research as well experience in the practical side of turfgrass management and a solid background in running a large professional turfgrass operation.

Trevor D. Israel (MS 2011 with Rob Richardson, NC State) is pursuing a PhD at the University of Tennessee under the direction of Neil Rhodes.

Mike Chandler will retire from Texas A&M on August 31, Congratulations Dr. Chandler on an outstanding career!

Newsletter Deadlines:

December 15, 2011

May 15th, 2012

August 15, 2012

Send articles to Bob Scott, Newsletter Editor at susanscott@esagdata.com

New Resources Available

Wildflowers of Florida and the Southeast. David W. Hall, Ph.D., William J. Weber, D.V.M.

Edited by Jason H. Byrd, Ph.D.

This regional wildflower book is 819 pages, and features full color photographs throughout. The plants are arranged by color, and each plant species featured contains at least one photograph of the plant and a concise description of the season of flower, geographic range, leaf shape and type. Scientific names are listed along with the most frequently used common names known to the authors. The text was written by Dr. David W. Hall, an internationally known botanist, and is the culmination of a life effort by Dr. William Weber, a well known wildlife photographer, to show his collection of wildflower photos. This book is an invaluable resource to gain knowledge of many species of plants found throughout the southeastern United States.

Ordering information:

Make checks payable to: D.W. Hall

Price: \$40.00 Mail payment to: Wildflower Book

8135 Meadowlark Court

Melrose, FL 32666

Shipping and Handling:

\$8.00 USPS Media Mail. Or, \$18.95 USPS Priority Mail.

Credit Card Payments can be made via www.amazon.com by searching for the ISBN/EAN number: 978-0-615-39502-9

More Turfgrass and Related Weeds: Beyond the Color Atlas. A Guide to Weed Identification for Turfgrasses, Ornamentals, Plant Nurseries, Roadsides, Pastures, Specialty Areas. L.B. (Bert) McCarty and David W. Hall

A weed can be defined as any plant growing where it is not wanted. The first step to Successful weed management is proper identification, which is the primary focus of this book, a supplement to the highly successful *Color Atlas of Turfgrass Weeds* (2nd edition).

This guide, which includes 1,118 color photographs, covers species which may be locally common but are not as widespread as those in the *Color Atlas*. Both this text and the *Color Atlas* cover most major weeds in fine and rough turfgrasses, plant nurseries, ornamentals, landscapes, pastures, roadsides, gardens, crops, and waste areas.

Price: \$25.00. Order copies on-line at <http://www.clemson.edu/psapublishing>

Or send check or money order (payable to Clemson University) to:

Clemson University Public Service Publishing

Room 96, Poole Agricultural Center

Clemson University

Clemson, SC 29634-0129

Or call toll-free 1-888-772-2665

Tell EPA that you support the continued use of MSMA

MSMA Users -- Call for Action

Inform EPA of MSMA Benefits

By December 31, 2011

It is extremely important that users of MSMA speak up and make the U.S. Environmental Protection Agency (EPA) aware of the critical role MSMA plays in responsible and effective weed management programs.

As part of its ongoing review of MSMA, EPA has agreed to consider input on the benefits of MSMA and its importance for use on golf courses, sod farms, and highway rights-of-way, as well as on health effects associated with its use, before the currently scheduled phase-out of MSMA for these use applications, which will take effect on December 31, 2012. Therefore, your input may be instrumental in EPA's final decision on this important herbicide. This is particularly important due to the expanding problem of weed resistance to herbicides other than MSMA, especially in the Southeastern U.S. .

The MSMA registrants believe that there is sufficient scientific information to convince the reviewers that there is no health concern at the doses of exposure resulting from the relevant uses, and we believe EPA will extend the registration of MSMA for turf uses beyond 2013 pending sufficient pressure from users.

Concerted pressure from the cotton industry persuaded EPA to re-register MSMA for use on cotton in 2009. It will take that kind of pressure from users of MSMA on turf -- golf courses, sod farms, and highway rights-of-way -- for the product to be retained beyond 2012.

Input to EPA must be received no later than December 31, 2011.

You can find a template for submitting comments to EPA on the Organic Arsenical Products Task Force (OAPTF) website (<http://www.oaptf.com/>).

Comments can be sent to Tom Myers at EPA:

Tom Myers

MSMA Product Manager

Pesticide Re-Evaluation Division (7508P)

U.S. Environmental Protection Agency

1200 Pennsylvania Avenue, NW

Washington , DC 20460

myers.tom@epa.gov

Please take action immediately .

Washington Report

Lee Van Wychen

WSSA Herbicide-Resistant Weed Tour for the EPA

On August 15-17, 2011 the WSSA hosted a field tour of herbicide-resistant weed infestations in Missouri, Illinois, and Arkansas for officials representing the U.S. EPA and the USDA Office of Pest Management Policy. We heard from an array of experts dealing with the ever-expanding herbicide-resistance weed problem that included crop consultants, agronomists, farmers, and university extension personnel. This tour would not have been possible without the outstanding leadership and organization by Dr. Kevin Bradley, University of Missouri, Dr. Bryan Young, Southern Illinois University, and Dr. Jason Norsworthy, University of Arkansas. In addition, Dr. Jill Schroeder, WSSA liaison to EPA helped coordinate the EPA contingent. The tour was sponsored by the United Soybean Board, the Illinois Soybean Association, the North Central Weed Science Society of America, and the WSSA.

The tour started in central Missouri where Kevin Bradley showed us two field sites. The first field had a population of giant ragweed that was resistant to glyphosate and the second field had a population of waterhemp that survived three applications of glyphosate AND three applications of PPO-inhibiting herbicides. The tour continued through southwestern Illinois where Bryan Young discussed the presence and spread of glyphosate-resistant marestail, waterhemp and Palmer amaranth. We observed many fields were glyphosate-resistant waterhemp had become a problem in the last year or two, and were only going to get worse, potentially leading to multiple herbicide resistance in waterhemp. Travel through northeast Arkansas was directed by Jason Norsworthy and Ken Smith, who inundated us with repeated fields of cotton and soybean infested with glyphosate-resistant Palmer amaranth. Many fields were being hand weeded and some were terminated with tillage because of complete crop failure due to herbicide resistance weeds.



Glyphosate-resistant pigweeds in Northeast AR.

Several different aspects and observations of managing herbicide-resistant weeds were openly discussed throughout the tour. Biological and ecological descriptions of the specific weed species and the evolution and spread of glyphosate resistance was provided by the university faculty along with reasoning as to why the Amaranthus species (Palmer amaranth and waterhemp) arguably pose the greatest threat to crop production compared with other glyphosate-resistant weed species. The inclusion of corn in the crop rotation was commonly cited as a means of improving management of these weeds species by having access to a broader group of herbicide modes of action, especially the use of atrazine. In fact, the importance of atrazine in providing greater control of problematic weeds and improved overall sustainability of weed management was a repeating theme from the growers and crop consultants across the geographies traveled. The importance of both old and new herbicide chemistry to manage herbicide resistance was also emphasized as well as the need for continued herbicide discovery efforts for the development and commercialization of novel herbicide modes of

action. In addition, the development of new crop traits such as those imparting resistance to dicamba, 2,4-D, glufosinate, and HPPD-inhibiting herbicides were also viewed as important tools for future weed management in spite of the challenges, such as the mitigation of off-target drift, that may be associated with some of these technologies.

In some instances, cropping decisions for individual fields were being influenced specifically by government programs such as federal crop insurance or NRCS soil conservation programs. The role of these government programs on the potential for influencing grower behavior and the evolution/spread of glyphosate-resistant weeds were discussed. When all herbicide options had expired, growers resorted to tillage for weed management or hired expensive hand-weeding crews. The tour brought to light the dependence of growers on effective herbicides for successful weed management and how other non-chemical means such as cultural practices and crop rotations may be prudent to supplement herbicides in future weed management strategies to enhance the sustainability of the system.

The tour provided a first-hand look at the scope, impact, and unique challenges that growers faced when trying to manage herbicide resistant weeds. We saw which best management practices were being used and why. We also saw how the complexity and economics of crop production sometimes prevented or limited other best management practices from being implemented. I think everyone on this tour gained a greater understanding of the realities of battling glyphosate-resistant weeds. It will take a herculean effort from all stakeholders to implement technologies and practices that will thwart the continued escalation of this problem.



Participants of the 2011 WSSA Herbicide Resistant Weed tour as they stopped in Arkansas.

FY 2012 Funding for USDA Programs Nosedives

The House passed its FY 2012 agriculture appropriations bill on June 16, 2011 by a vote of 217-203. The Senate has yet to take action on it version of the FY 2012 agriculture appropriations. Most agencies and programs saw double digit reductions in their FY 2012 appropriations from the House compared to FY 2011. The only bright spot was getting the Regional IPM Centers funding boosted from \$3 million to \$4 million. The House Ag Approps Committee “concurs” with the USDA-ARS proposal to close 10 research facilities in the following locations: Fairbanks, Alaska; Shafter, California; Brooksville, Florida;

Watkinsville, Georgia; New Orleans, Louisiana; Coshocton, Ohio; Lane, Oklahoma; Clemson, South Carolina; Weslaco, Texas; and Beaver, West Virginia. The Committee provides the Secretary of Agriculture the authority to transfer a closed facility to an 1862, 1890, 1994 or Hispanic-serving agricultural college or university provided the institution agrees to maintain the facility for agricultural and natural resources research for a minimum of 25 years.

<u>USDA Program Description</u>	<u>FY 2010</u>	<u>FY 2011</u>	<u>FY 2012 House</u>	<u>Change 11-12</u>
Dollars in Thousands				Percent
Agricultural Research Service	\$1,179,639	\$1,133,230	\$993,345	-12.3%
Economic Research Service	\$82,478	\$81,814	\$70,000	-14.4%
National Ag Statistics Service	\$161,830	\$156,447	\$149,500	-4.4%
National Institute of Food Agriculture	\$788,243	\$698,740	\$600,800	-14.0%
- Hatch Act	\$215,000	\$236,334	\$208,000	-12.0%
- Cooperative Forestry Research	\$29,000	\$32,934	\$30,000	-8.9%
- Improved Pest Management & Biological Control	\$16,185	\$16,153	\$14,000	-13.3%
- Ag and Food Research Initiative	\$262,482	\$264,470	\$229,500	-13.2%
- Extension Activities	\$494,923	\$479,132	\$411,200	-14.2%
- Smith Lever	\$297,500	\$293,911	\$259,200	-11.8%
- Integrated Activities	\$60,022	\$36,926	\$8,000	-78.3%
- Section 406	\$45,148	\$29,000	\$8,000	-72.4%
- Regional IPM Centers	\$4,096	\$3,000	\$4,000	33.3%
- FQPA Risk Mitigation (RAMP)	\$4,388	\$0	\$0	0%
- Crops affected by FQPA (CAR)	\$1,365	\$0	\$0	0%
- Methyl Bromide Transitions	\$3,054	\$2,000	\$0	-100%
- Organic Transitions	\$5,000	\$4,000	\$4,000	0%
Animal and Plant Health Inspection Serv. (APHIS)	\$904,953	\$863,270	\$790,000	-8.5%

Within the National Institute of Food Agriculture (NIFA), the House Ag Approps Committee “regrets it cannot provide an increase for the Agriculture and Food Research Initiative for fiscal year 2012. While the committee appreciates the work of the dedicated staff of NIFA, especially for their efforts to reorganize the agency and raise the profile of agricultural research as directed by the Food, Conservation, and Energy Act of 2008, it is concerned about some of the research being funded by the agency. For example, the agency recently awarded more than \$23 million in grants to improve regional and local food systems. Over the past few years, numerous reports from Federal agencies and private philanthropic and scientific organizations have highlighted the need for the United States to invest in agricultural research, particularly to ensure productivity growth and to develop and refine sound natural resources management practices for U.S. farmers and ranchers and others around the world. In light of this advice and the nation’s serious budget deficit and debt problems, the agency should be focusing its research efforts on only the highest priority, scientifically merited research. While there are many interesting research topics and a multitude of issues that could be researched, the Committee expects the agency to focus on its core mission of agricultural research by setting a very high standard for research funded by the agency and requiring a rigorous peer review.” I hope the Senate Ag Approps Committee shows a little more understanding of the value of agricultural research when they mark up their version of the ag appropriations bill.

NPDES Permits- We need your help!

We need your help to make sure H.R. 872 passes the Senate. H.R. 872 ensures that pesticide applications over or near water are regulated through the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) and fixes some misguided court decisions that have resulted in a duplicative and costly National Pollutant Discharge Elimination System permit. On March 31, the House passed H.R. 872 by a vote of 292-130. On June 21, Senate Ag Committee passed H.R. 872 without any amendments. Nineteen of the 21 Senators on the Committee supported the bill. Currently, Sen. Cardin from Maryland has placed a hold on the bill. By placing a hold on the bill, Cardin blocks the measure from coming to the floor for passage under unanimous consent. Under Senate practice, it would take 60 votes to break the hold. This is where you come in! Hopefully you have received an email on this issue from WSSA President Barrett. Please ask your Senators to support H.R. 872. Please click here: [Take action on NPDES legislation](#). It only takes a minute!

Aquatic Plant Control Research Program

The U.S. Army Corps of Engineers (Civil Works) has proposed to eliminate the Aquatic Plant Control Research Program (APCRP) in the FY 2012 budget. This is the nation's only federally authorized program for research and development of science-based management strategies for invasive aquatic weeds. We are asking the Army Corps of Engineers and Congress to restore funding to \$4 million for FY 2012. The Corps' APCRP expertise and importance was on full display at a recent Congressional field hearing on efforts to control and eradicate giant salvinia. [The June 27th field hearing](#) was organized by Rep. John Fleming (LA-04) and held at Louisiana State University in Shreveport. Dr. Michael Grodowitz, Biomanagement Team Leader for the Army Corps of Engineers was called on to testify at the hearing. I'd also like to recognize fellow weed scientists, Dr. Randy Westbrooks, Dr. Dearl Sanders, and Dr. Damon Waitt for their testimony on behalf of the House Natural Resources Subcommittee on Fisheries, Wildlife, Oceans and Insular Affairs, chaired by Rep. Fleming. The Aquatic Plant Control Research Program funds the work of Dr. Michael Grodowitz, along with 18 other aquatic plant management researchers. But with APCRP slated to be zeroed out in FY 2012, we will lose the expertise and institutional knowledge of all of the Army Corps' invasive aquatic plant management researchers. This is simply unacceptable. We understand that the country is in fiscally tough times and everyone has to take some cuts and make some sacrifices. But, we are strongly opposed to eliminating the entire Army Corps Aquatic Plant Control Research Program! I will need your help to convince Assistant Secretary of the Army for Civil Works, Jo-Ellen Darcy, and Congress about the value of the APCRP. Expect an email from WSSA President Barrett in the near future asking for your support of APCRP.

Program of Research on the Economics of Invasive Species (PREISM)

The 2011 workshop of the USDA Economic Research Service's Program of Research on the Economics of Invasive Species (PREISM) was held on May 17, 2011 in Washington, D.C. The workshop was a collaboration between USDA-ERS and the Farm Foundation, NFP. The presentations from the workshop are available on the Farm Foundation website at:

<http://www.farmfoundation.org/webcontent/2011-PREISM-Workshop-1740.aspx?a=1740&z=91&>

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