



WSSA

WEED SCIENCE SOCIETY OF AMERICA

Newsletter



PRESIDENT'S MESSAGE

Greetings from Virginia Beach! I hope your summer is going well and your research is yielding useful results. Cannot complain here, although we did hit 100 degrees several days during the recent heat wave. I hope you have not been affected by the flooding, tornadoes, and other calamities that have occurred this year. It does seem that we are having more extremes in weather conditions, which some associate with global warming. Our society does have a role here, and some of you have already researched such issues as the impact of rising CO₂ levels on growth of weed species. As Toni DiTommaso mentioned to me, it would be interesting to compare the most troublesome weed species in each state or province now with lists developed 20 or 30 years ago. Are some species moving northward? If so, is this due to global warming, biotype adaptation, or some other mechanism?

USDA/ARS held its Customer Workshop for National Program 304 – Crop Protection and Quarantine in Miami May 21–23 to develop the next five year plan. This national program includes entomology and weed science. Jill Schroeder, Mike Barrett, Lee Van Wychen, and I represented WSSA. Additional attendees at the meeting included Bruce Maxwell, Rakesh Chandran, and Jerry Green, as well as the ARS personnel Dale Shaner, Dave Gealy, Brad Hanson, Lori Wiles, Mike Foley, Bill Bruckart, and Carroll Johnson. I probably have missed some other WSSA members who were in attendance. We stressed the importance of filling the national program leader position for weed science previously held by Del Delfosse. We reiterated our position that the NPL for weed science should be filled by a qualified weed scientist. Dr. Judith St. John told me that the position would be filled and the job should be posted soon. During the program, we broke into different sessions based on commodity areas and listed what we felt were priority research areas. We discussed the need for a balanced research effort, including both applied and basic research, utilization and integration of biological, cultural, and chemical means of weed control, and the need for research in both conventional and organic crop production. After the customer (or stakeholder – perhaps someone can explain to me the difference between a customer and a stakeholder!) part of the program, the ARS scientists met to work on the five year plan. We will have an opportunity to comment on the five year plan after it is posted on the ARS website.

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**SAVE
THE DATE!**

A new Save the Date flyer has been created to advertise the 2009 joint meeting between the Southern Weed Science Society and the WSSA. You can view this flyer on the WSSA website:

<http://www.wssa.net>

The link is located at the bottom center of the WSSA home page. You can print this flyer and utilize it in advertising this joint meeting to other interested groups. Also, print it out for yourself as a reminder to save these dates as this promises to be a very special meeting. Extra attention is being given to structure the meeting to allow time for attendees to spend time with their families; take this flyer home so everyone in the household can begin to plan!

**February 9–12, 2009
Orlando, Florida**

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PRESIDENT'S MESSAGE CONTINUED from pg 1

The WSSA board posted a call for proposals for Executive Secretary and Meeting Management since our contracts with Allen Press expire in 2009. We had an excellent response to our call for proposals, with 20 companies sending in bids. The board will be reviewing these proposals and then make a decision on which company or companies we will be working with for these tasks over the next four years.

We are currently soliciting applicants for the EPA liaison position currently held by Steve Dewey. Steve has done an excellent job interacting with EPA over the past year and EPA officials have benefited from his expertise on herbicide use, impacts and management of invasive plants, and other weed control issues. See Steve's report in this issue. I would like to thank Steve for all of the time and effort he has put into this position. We would like to continue this successful program – see the call later in this newsletter if you have an interest in being a liaison to EPA.

The Publications Board has received applications for the Editor of *Weed Science* position currently held by Robert Blackshaw. We thank Bob for his service to the society as editor and look forward to continued excellent guidance from the new editor. A decision will be made soon on the new editor.

David Shaw, Dan Reynolds and their committee are working hard on plans for the 2009 meeting in Orlando. They have quite a challenge – integrating an educational program for two societies along with providing time for attendees to see the attractions in the Orlando area. See the call for papers for information on title and abstract submission for the annual meeting. Greg MacDonald has graciously agreed to chair the local arrangements committee.

Consider submitting a nomination for one or more of the WSSA awards. Lori Wiles and her committee have worked hard on streamlining the process for submitting nominations, making it easier to nominate a deserving individual. See the website for additional information.

Lee Van Wychen has been working hard as our Director of Science Policy. Seems like he is at every important meeting, whether it is in DC or somewhere out across the 50 states. He has been very active in our public awareness campaign, NIWAW, and other WSSA activities. See his report in this issue. We also need to recognize the exceptional leadership of Rich Bonanno as chair of the Science Policy committee. I assume there is some kind of red phone at Rich's house that serves as a hotline directly connecting him to Lee's Blackberry at any hour of day or night!

We now have two successful issues of the new journal *Invasive Plant Science and Management*, thanks to the efforts of Joe DiTomaso, the associate editors, reviewers, and, of course, the contributing authors. Keep up the good work! Keep mentioning the journal to libraries, native and invasive plant societies, and others who would be interested in the information contained in this publication. Syngenta has graciously agreed to sponsor the outstanding paper in *Invasive Plant Science and Management* award. I would like to thank Dirk Drost of Syngenta for this offer. The editor and associate editors for the new journal are also working on incorporating IPSM into the reviewer awards that we currently present to the best reviewers for *Weed Science* and *Weed Technology*.

Speaking of manuscript reviews – please try as hard as you can to accept requests to review manuscripts. In some cases, the editors have to go through a number of individuals until they have enough commitments to review a given manuscript. As members of WSSA, we have an obligation to serve as reviewers, especially since we all submit our own manuscripts for publication. Also, try to be as thorough as possible in your reviews. Speaking as an associate editor myself, I know the value of thorough reviews – it makes the associate editor's job much easier. Besides helping out the editor and associate editors, you also may receive an award for your service as a reviewer! The outstanding reviewer award is based on both the number of papers reviewed as well as the quality of each review as judged by the corresponding associate editor.

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WSSA FUTURE MEETING SITES AND DATES

2009

Hilton/Walt Disney World
Orlando, FL

February 9–12, 2009

David Shaw & Dan Reynolds,
co-chairs

The 2009 WSSA meeting will be a joint meeting between the Weed Science Society of America and the Southern Weed Science Society from February 9–12, 2009 in Orlando, FL. The joint meeting will be held at the Hilton in the Walt Disney World Resort.

The website for the hotel is:

http://www1.hilton.com/en_US/hi/hotel/ORLDWHH-Hilton-located-in-the-WALT-DISNEY-WORLD-Resort-Florida/index.do

For more information:

www.wssa.net

or

www.weedscience.msstate.edu/SWSS

WSSA HOME PAGE
ACCESSED AT:

www.wssa.net

WSSA NEWSLETTER

VOL. 36, NO. 3

JULY, 2008

Published quarterly by the Weed Science Society of America. Subscription included in the annual dues paid by members of the Society. Address correspondence and information to:

Dr. Clifford Koger (Trey), Editor
WSSA NEWSLETTER
Delta Research and Extension Center
Mississippi State University
P. O. Box 197
Stoneville, MS 38776
tkoger@drec.msstate.edu
(662) 686-9311 Office
(662) 686-7336 Fax

2008–2009 WSSA Board



(Left to right) Mike Barrett, Clarence Swanton, Mike Owen, Lee Van Wychen, Jason Norsworthy, Toni DiTommaso, Ralph Whitesides, David Shaw, Joyce Lancaster, Rich Zollinger, Jeff Derr, Dave Gealy, James Anderson, Jill Schroeder, Joe Neal, Anita Dille, and Vince Davis. Not pictured: John Jachetta, Vanelle Peterson, Linda Nelson, and Peter Porpiglia.

PRESIDENT'S MESSAGE CONTINUED from pg 2

The public awareness committee has continued to be very active, under the leadership of Janis McFarland. You can see the press releases they have prepared by looking under "Press Room" on our website. If you have an idea for a press release, please contact Janis.

Robert Zimdahl contacted me with a suggestion that WSSA initiate a "Weed Scientists Without Borders" program to assist developing communities throughout the world. ASA/CSSA/SSA has been developing an "Agronomists Without Borders" concept. If anyone would like to develop a similar effort for WSSA, please let me know.

Under the heading "Directories" on the WSSA website, you will find contact information for board members and Allen Press personnel, along with a listing of members for each WSSA committee. I am commonly asked, "Am I on that committee?" The website has all that information. The President-elect updates the committee list each year, and posts it soon after the annual meeting. Click on the "Members" directory, type in your membership number and password, and check to see if your listing is current.

I frequently use the WSSA Members directory for contact information and often find old addresses, phone numbers, and email addresses. You can correct any posted information.

If you would like to view abstracts from the Chicago or San Antonio meetings, click on "WSSA Annual Meeting" on the homepage and then click on "Previous Meetings." After clicking on the meeting site, you can access the Oasis system, which currently has our abstracts for those two meetings. David Krueger, our webmaster, is currently working on getting those abstracts on the WSSA server.

The board will be spending a day on tactical planning at our summer board meeting. You can see our strategic and tactical plans by looking under "Society Information" on our website. Feel free to contact me or any board member if you have thoughts or suggestions on the goals and objectives the board has developed. Thank you for your support of WSSA activities.

Jeffrey Derr, President
jderr@vt.edu

CALL FOR PAPERS

2009 JOINT SWSS / WSSA MEETING

Daniel Reynolds and David Shaw, Joint Program Chairs

INVITATION

You are invited to submit titles for papers to be presented at the joint Southern Weed Science Society / Weed Science Society of America Meeting in Orlando, Florida on February 8 to 13, 2009. Volunteer papers may be presented orally in one of the breakout sections or as a poster. This year we are attempting to reformat our poster session and enhance their appeal. Poster sessions will be organized thematically in groups of 12, and these grouped poster sessions will be conducted throughout the conference, providing each author three minutes to give an overview of their research, with an hour following the presentations for discussions on the topic. An individual may personally present only one volunteer, non-poster paper. This rule will be strictly followed. In addition to the volunteer paper, an individual may present a poster paper, may be co-author of papers presented by other authors, and may present an invited symposium paper.

DEADLINE

Titles must be submitted electronically by **October 2, 2008**, to be considered. This deadline applies to symposium papers, as well as to volunteer papers and posters. This year abstracts will be submitted separately; the deadline for abstract submission will be **January 9, 2009**. The program will be posted on the WSSA website (<http://www.wssa.net>) and members will be informed by email when available. Printed programs will be mailed to those who pre-register before January 9, 2009, with limited copies available at the registration desk at the meeting.

MEETING SCHEDULES

Volunteer papers will be presented within a 15-minute schedule. Concurrent sessions dictate that the time schedule be strictly followed. To allow for introductions, transition of speakers, and questions, you should plan to present your paper in 12 or 13 minutes. Papers presented should report the results of completed research or other substantive information. Information should not have been presented at a previous WSSA national meeting. Ideally, information reported at the WSSA Meeting should be published in *Weed Science*, *Weed Technology*, or a similar outlet in the near future.

Posters will be located in a viewing room throughout the conference. As discussed above, during the conference there will be thematic discussion sessions for posters in groups of 12. The authors will be asked to provide up to three slides that provide an overview of the research objectives and results. Three minutes will be allowed per poster. There will be an hour that follows these presenta-

tions for discussion on the topic of the session and/or on the specific research presented. This format is intended to greatly enhance the interactions associated with the posters, allow more time for conversations on these topics, and facilitate the greater number of submissions with our joint conference.

SYMPOSIUM PAPERS

Speakers participate in the symposia by invitation. Deadlines and procedures for preparing and submitting abstracts are the same as for volunteer papers. Refer to the details below. Symposia organizers should consider publication of symposium papers in *Weed Science* or *Weed Technology*.

PROJECTION EQUIPMENT

LCD projection for PowerPoint presentations will be used exclusively for the 2009 meeting in Orlando, FL. **NO** 35mm projectors will be available. LCD projectors and computers will be supplied by WSSA members and coordinated by section chairs. Screens, microphones, carts, and extension cords will continue to be supplied by AV services and paid for by the Society. In order to make this process go as smoothly as possible, please follow the guidelines below.

Format

All presentations **MUST** be in PowerPoint for MS Windows (PC compatible). MacIntosh/Apple formats will **NOT** be supported. Your presentation must be saved as a PowerPoint show file. **ALL presentations must be prepared and sent to the appropriate section chair at least one week in advance of the meeting so that pre-loading of the computer can be accomplished** (see Submission of Presentations). You can send your presentation to the section chair on a CD-R (**NOT a CD-RW**). **Zip disks will not be accepted**. Presentations also can be sent to the section chair as an email PowerPoint attachment if not too large. Please limit the size of presentations to less than 25 MB. No audio clips or sounds will be allowed. Video clips are discouraged unless absolutely necessary. PowerPoint animation is discouraged. Please contact the section chair **PRIOR** to sending your presentation if you need to use a video clip or have any questions on your file. Limit fonts used in the presentation to basic ones, as not all machines may have the same choice of fonts. Examples of standard fonts are Times New Roman, Arial, Courier, Tahoma, or similar equivalents. Section chairs and computer operators are not responsible

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CALL FOR PAPERS CONTINUED from pg 4

for changes in fonts, bullets, and other formatting at the time of presentation. Use up-to-date virus protection software to avoid infecting the computers provided by the section chairs.

Submission of Presentations

Presentations must be submitted to the section chair prior to the meeting. Section chairs must receive the presentation at least one week in advance of the meeting (**no later than January 26, 2009**). You will be able to preview your presentation at the meeting to ensure that the formats/fonts are all as you intended them to be. Please check with your section chair to proof your file. Due to the limited time and equipment, last minute editing is highly discouraged. At the conclusion of the session, the presentations on the laptop will be removed. Submission of files at the time of the presentation or at any other time during the session will **NOT** be allowed.

Equipment

A Windows PC laptop computer and projector will be provided for each session. Presenters will **NOT** be allowed to use their own computers in the sessions. If possible, computers will be located on the podium in each session. If this is not possible, an infrared remote providing forward and backward control of the PowerPoint presentation will be provided in each session.

Be alert to changes, modifications, and refinements in these guidelines during the next few months (and years). This information will be published in the October and January issues of the WSSA Newsletter.

SUBMISSION OF TITLE AND ABSTRACT

Volunteer papers, posters, and symposium papers all require titles and abstracts to be electronically submitted. To submit, go to the Weed Science Society of America homepage (<http://www.wssa.net>).

- After **September 1, 2008**, you will be able to access the Title/Abstract Submission Page form from the WSSA homepage. Additional instructions will be provided on the Title/Abstract Submission Page.

The Program will be printed exactly as submitted, other than format and font changes to make all abstracts the same; therefore, proofread very carefully. If you cannot submit the title and abstract electronically, please contact the Program Chair.

Authors will receive an email indicating that their abstract was received and confirming the section where the paper will be presented. **Presentations must be sent to the section chair where the paper is assigned.**

PREPARATION AND SUBMISSION OF TITLES

Titles are due **October 2, 2008**.

1. **Typing** – Typing instructions will be provided on the Title/Abstract Submission Page of the WSSA website.
3. **Titles, author(s), and location** – In the abstract, authors will be identified by occupational affiliation and location, not by mailing address. Therefore, please type the title, author(s), the affiliation (institution,

agency or company), and location (city and state or country, but not the zip code). When authors are from different locations or affiliations, group authors and affiliations/locations.

Capitalize only the first word and proper names in the title and end the title with a period. Include both the common and scientific names of weeds and uncommon crop plants in the title, but only the common names of herbicides and well-known crop plants. You do not need to type the title in bold-face; the system will do that automatically. First names followed by initial (period after initial) should be typed before last names of all authors. The site will provide a method for indicating the presenter; be sure to specify the presenting author. Do not include departments, divisions or zip codes. Do abbreviate the word "University" to "Univ."

Example 1. The occurrence and densities of weeds in Illinois, Iowa, and Indiana as noted from crop scouting records. David R. Pike*, Univ. of Illinois, Urbana; and David Harms, Crop Pro-Tech, Bloomington, IL.

Example 2. Performance of sulfentrazone for control of yellow nutsedge (*Cyperus esculentus*) in southern peas (*Vigna unguiculata*). Jerry J. Wells* and Ronald E. Talbert, Univ. of Arkansas, Fayetteville.

3. **E-mail Address** – For better communication with the business office if there are questions on the submission, please enter the e-mail address of the submitting author.

PREPARATION OF ABSTRACT

Abstracts are due **January 9, 2009**. Following are the guidelines for the preparation and submission of an abstract. Be alert to additional instructions that may appear on the site itself.

1. **Contents** – The abstract should include a brief overview of essential aspects of experimental procedures and should highlight significant results and their interpretation. Write the abstract so it consists entirely of information. Do not include statements such as "The results of the experiments will be presented" or "The significance of these results will be discussed." The maximum length for the abstract is 2700 characters.
2. **Typing** – Typing instructions will be provided on the Title/Abstract Submission Page of the WSSA website.
3. **Titles, author(s), and location** – In the abstract, authors will be identified by occupational affiliation and location, not by mailing address. Therefore, please type the title, author(s), the affiliation (institution, agency or company), and location (city and state or country, but not the zip code). When authors are from different locations or affiliations, group authors and affiliations/locations.

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CALL FOR PAPERS CONTINUED from pg 5

Capitalize only the first word and proper names in the title and end the title with a period. Include both the common and scientific names of weeds and uncommon crop plants in the title, but only the common names of herbicides and well-known crop plants. You do not need to type the title in boldface; the system will do that automatically. First names followed by initial (period after initial) should be typed before last names of all authors. The site will provide a method for indicating the presenter; be sure to specify the presenting author. Do not include departments, divisions or zip codes. Do not abbreviate the word "University" to "Univ."

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Example 2. Performance of sulfentrazone for control of yellow nutsedge (*Cyperus esculentus*) in southern peas (*Vigna unguiculata*). Jerry J. Wells* and Ronald E. Talbert, Univ. of Arkansas, Fayetteville.

4. **E-Mail Address** – For better communication among researchers, please enter the e-mail address of the senior author.
5. **Herbicide nomenclature** – Use common names of herbicides as given in *Weed Science* (2003) 51:1022–1028. When the common name refers to the parent acid, the salt or ester forms used in the experiments should be identified at the first mention of the common name (e.g., methyl ester of diclofop). At the first mention of a herbicide application rate, list whether the weight is acid equivalent (ae) or active ingredient (ai) (e.g., kg ai ha⁻¹). If no common name is available, use its designation (trade name or code) followed by the full chemical name. If the chemistry is confidential, identify source (company) in parentheses after designation.
6. **Adjuvant nomenclature** – Where possible, use WSSA *Herbicide Handbook*, 8th edition (2002), p. 454-456; *Weed Science* (1985) 33 (Suppl. 1): 22–23; or WSSA *Monograph* (1982) *Adjuvants for Herbicides*. Otherwise, use the most complete available chemical description of the adjuvant.
7. **Weed nomenclature** – Identify weeds by common names. At first mention of a weed, whether in the title or text, follow the common name with the scientific name in parentheses and in italics. Do not repeat the scientific name in the text if given in the title. Use common and scientific names of weeds as given in the *Composite List of Weeds*, published by WSSA in 1989. If there is no WSSA-designated common name, use common scientific names from another source such as *Hortus Third*.

8. **Crop nomenclature** – Scientific names for crop plants are optional. They are not needed for well known crops, but should be included for less common crops and whenever needed for clarity. Place scientific names, in parentheses and in italics, following first mention of the common name, whether in the title or text.
9. **Soil nomenclature** – Include the soil series with textural classification and the subgroup name using the terminology of the U.S. Dept. Agric. Natr. Res. Conserv. Serv. Publication, *Soil Taxonomy*, U.S. Gov. Printing Office, Washington, D.C. 1975. For soils outside the U.S.A., use the local official terminology.
10. **Measurements** – Report all measurements in International System of units (SI). Abbreviate units of measure if preceded by a number. See *Weed Science* (2003) 51:1029–1033 for additional suggestions and WSSA *Herbicide Handbook*, 8th edition (2002), p. 463–466 for metric conversions.
11. **Abbreviations** – Use abbreviations as shown in *Weed Science* (2004) 52:1063, WSSA *Herbicide Handbook*, 8th edition (2002), p. 453–454 or CBE Style Manual.
12. **Numbers** – Use Arabic numerals for all numbers with two or more digits and for all measurements such as time, weight, length, area, quantity, or degree except when the number is the first word in the sentence. Spell out numbers when they are the first word in a sentence or when they are less than 10 and not measurements.
13. **Tables, figures, or literature citations** – Do not include these in Abstracts.

SUBJECT INDEX

A subject index consisting of weed / crop names, herbicides, and other key words will be included with the abstracts, in addition to the author index. Providing key words to be used in indexing will be the responsibility of the authors. Words in the title are not automatically indexed. Only key words provided by the authors will be used.

1. A **maximum** of five key words per abstract will be indexed. Most abstracts should only require two or three words.
2. Prioritize key words based on the importance of a given subject, especially for abstracts containing more than five weeds and herbicides. Use a priority ranking of (a) weeds and/or crops, (b) herbicides, other chemicals (including adjuvants) and other types of weed control (e.g., cultural, biological), (c) additional topic words or phrases.
3. Use scientific name of weeds, without authority. Genus plus species is considered one key word.
4. Genera names may be used when more than one species in that genus is mentioned in the abstract.
5. Use common names of crops (for less common crops, use scientific names without authority).

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6. Use common names of herbicides and other chemicals (including adjuvants) or code numbers for experimental compounds.
7. Chemical class names, e.g., sulfonyleureas, should be used when more than one herbicide in that class is mentioned in the abstract.

POSTERS

The information presented as a poster is very similar to that presented as an oral paper, but it is presented on poster board rather than orally in a meeting. Directions for preparing a poster can be found under POSTER SESSION (see below). The difference between a poster and a commercial exhibit must be clearly understood. The commercial exhibits are presented by Sustaining Members of WSSA and consist of educational information of a promotional nature about products or services. Posters may be presented by personnel of the same sustaining member companies and may concern commercial products, but they must present results of completed research with these products rather than promotional material about them.

POSTER SESSION

There may be split sessions for presentation of posters. In addition to specifying Section 15 (Poster Session),

authors should indicate a category from Section 1 through 14. Poster presentations will be grouped by these categories.

1. Authors are expected to be at their poster during the period reserved for viewing the poster to answer questions and to discuss their research with interested parties.
2. Participants in Section 15, the Poster Session, will meet at a location designated in the program before the Poster Session begins to elect a chair-elect of the section for 2010 (Section Chair in 2011) and discuss recommendations for improvement of the Poster Session.
3. **Poster Boards. One board 48 x 48 inches and an easel will be provided for each poster paper. There will be no exceptions to the rule of one board per paper.**
4. Content of Paper. Text, graphs, and tables must be easily read from a distance of 6 feet. Titles and headings should be larger and readable from a greater distance.
5. Because of cost and logistics, it will not be possible to provide electrical connections, telephone lines for computer connections, video equipment (VCR and video monitor), or other special equipment for posters.
6. Groups of authors may present more than one poster, but at least one author must be present at each poster during the time designated exclusively for viewing the poster.

Section Chairs for 2009 listed on page 8.

SEND NEWSLETTER MATERIAL TO:

Dr. Clifford Koger (Trey)
Editor, WSSA Newsletter
Delta Research
and Extension Center
Mississippi State University
P. O. Box 197
Stoneville, MS 38776
tkoger@drec.msstate.edu
(662) 686-9311 Office
(662) 686-7336 Fax

THINK NEWSLETTER
Deadline for October issue
September 1, 2008

WSSA Contacts at Allen Press, Inc.

For All Contacts:

Phone: (800) 627-1326, (785) 843-1234 • Fax: (785) 843-1274

Joyce Lancaster, Executive Secretary

Ext. 250; E-mail: jlancaster@allenpress.com

Regarding: Society reimbursements, committee activities, membership reports, list rental requests

Jason Gilbert, Association Manager

E-mail: jgilbert@allenpress.com

Regarding: Membership payments, orders, address changes, claims, author billing

Kate Counter, Meeting Manager

Ext. 225; E-mail: kcounter@allenpress.com

Regarding: WSSA annual meeting

Tracy Candelaria, Managing Editor

E-mail: tcandelaria@allenpress.com

Regarding: Reviewer questions

SECTION CHAIRS FOR 2009 PROGRAM

General Program Co-Chairs

Daniel B. Reynolds
Plant and Soil Sciences Department
Mississippi State University
Box 9555
Mississippi State, MS 39762
Phone (662) 325-0519
Email: dreynolds@pss.msstate.edu

David R. Shaw
GeoResources Institute
Mississippi State University
Box 9652
Mississippi State, MS 39762
Phone: (662) 325-9575
Email: dshaw@gri.msstate.edu

Vice-Chair

John J. Jachetta
Dow Agro Sciences Bldg 308 2E/05
9330 Zionsville Rd
Indianapolis, IN 46268
Phone: (317) 337-4686
Email: jjjachetta@dow.com

Abstract Editor

Wun Chao
USDA, Agricultural Research Service
Biosciences Research Laboratory
P O Box 5674- Univ Sta
Fargo, ND 58105-5674
Phone: (701) 239-1256
Email: wun.chao@ars.usda.gov

SECTION CHAIRS

1. AGRONOMIC CROPS

Vijay Nandula
Delta Research and Extension Center
Mississippi State University
P O Box 197
Stoneville, MS 38776
Phone: (662) 686-3271
Email: vnandula@drec.msstate.edu

2. HORTICULTURAL CROPS

Charles L Webber, III
USDA/ARS
P O Box 159
Lane, OK 74555
Phone: (580) 889-7395
Email: cwebber-usda@lane-ag.org

3. TURF AND ORNAMENTALS

Matthew Goddard
Plant Pathology, Physiology, and
Weed Science Department
Virginia Polytech University
413 Price Hall Virginia Tech

Blacksburg, VA 24061-0331
Phone: (540) 231-6361
Email: mgoddard@vt.edu

4. PASTURES, RANGELANDS, FORESTS AND RIGHT-OF-WAYS

Andy Ezell
Forestry Department
Mississippi State University
Box 9681
Mississippi State, MS 39762
Phone: (662) 325-1688
Email: aezell@cfr.msstate.edu

5. WILDLAND AND AQUATIC INVASIVES

Cody Gray
United Phosphorus Inc
11417 Cranston Drive
Peyton, CO 80831
Phone: (954) 562-0254
Email: cody.gray@uniphos.com

6. REGULATORY ASPECTS

Barney P. Caton
USDA-APHIS
Center for Plant Health Science
and Technology
Raleigh, NC
Phone: (919) 855-7504
Email: barney.p.caton@aphis.usda.gov

7. TEACHING AND EXTENSION

Jason Ferrell
University of Florida
304 Newell Hall/P O Box 110500
Gainesville, FL 32611-1840
Phone: (352) 392-7512
Email: jferrell@ufl.edu

8. FORMULATION, ADJUVANT AND APPLICATION TECHNOLOGY

Debanjan Sanyal
Monsanto Company
Monmouth Agronomy Center
1677- 80th Street
Monmouth, IL 61462
Email: debanjan.sanyal@
monsanto.com

9. WEED BIOLOGY AND ECOLOGY

John Lindquist
University of Nebraska
Dept of Agronomy & Horticulture
105C KCR
Lincoln, NE 68583-0817
Phone: (402) 472-2771
Email: jlindquist1@unl.edu

10. BIOCONTROL OF WEEDS

James P. Cuda
Univ of Florida
Dept of Entomology & Nematology
Natural Area Dr. Bldg. 970
Gainesville, FL 32611-0620
Phone: (352) 392-1901
Email: jcuda@ufl.edu

11. PHYSIOLOGY

Terry R. Wright
Dow AgroSciences
9330 Zionsville Rd
Building 306 /1F
Indianapolis, IN 46268
Phone: (317) 337-3124
Email: trwright@dow.com

12. SOIL AND ENVIRONMENTAL ASPECTS

Rakesh Jain
Syngenta Crop Protection
7145 58th Avenue
Vero Beach, FL 32967
Phone: (772) 567-5218
Email: rakesh.jain@syngenta.com

13. INTEGRATED WEED MANAGEMENT

Trey Koger
Mississippi State University
Delta Research and Extension Center
P O Box 197
82 Stoneville Rd
Stoneville, MS 38776
Phone: (662) 686-3238
Email: tkoger@drec.msstat.edu

14. SUSTAINING MEMBER EXHIBITS

Patrick McMullan
Soil and Plant Science
Brandon Research Station
Agriculture and Agri-Food Canada
Box 1000A, RR 3
Brandon, MB R7A 5Y3
Phone: (204) 726-7650
Email: pmcmullan@
agrotechnologyresearch.com

15. POSTER SESSIONS

Sharon Clay
South Dakota State University
Box 2140 C
Brookings, SD 57007
Phone: (605) 688-4757
Email: Sharon.clay@sdstate.edu

NOMINATORS NEEDED

Weed Science Society of America Awards Nomination Deadline is September 10.

The Weed Science Society of America has many members who deserve recognition for outstanding achievements, contributions and service in weed science, but recognition can only come after nomination. The success of the WSSA Awards Program depends on the efforts of nominators. Now is the time to begin preparing nominations as the September 10, 2008 deadline will be here soon. Please take the time to nominate so the society can recognize deserving members and students.

Information and instructions for nominations for the awards to be presented at the 2009 meeting in Orlando, Florida are available on the WSSA website (<http://wssa.net/WSSA/SocietyInfo/Nominations.htm>). Nominations are also open for Fellows for 2009 and the Honorary Member for 2010. For additional information about the awards, contact Lori Wiles, Chair, Awards Parent Committee (lori.wiles@ars.usda.gov) or the chair of award subcommittee listed on the website.

FELLOW AWARD

This award honors active members of WSSA who have made significant contributions to weed science and to the WSSA in more than one of the following areas: (1) professional publications, (2) educational contributions other than publications, (3) development or improvement of weed science programs, practices and products, (4) other professional contributions, (5) service to WSSA or regional conferences, and (6) service to the profession outside the Society. Nominees must be members of the WSSA who have been active for at least 10 years. Up to 0.3 percent of the active membership of WSSA may be elected as Fellows in any one year.

Chair: Jim Barrentine
(james.barrentine@cheminova.com).

HONORARY MEMBER AWARD

The Honorary Membership Award is given to an individual who has performed meritorious service to the field of weed science, but who is not an active, participating member of the WSSA. Only one honorary member is selected per year. Ordinarily, Honorary Members are individuals who pursued professional careers outside the commonly accepted geographic bounds of WSSA (assumed to be the U.S. and Canada), regardless of whether or not they are enrolled as members of the Society, or individuals who pursued professional careers within the geographic bounds of the WSSA but who are not active members of the society.

Chair: Jim Barrentine
(james.barrentine@cheminova.com).

OUTSTANDING EXTENSION AWARD

This award is to recognize the ability to develop creative, innovative, and effective weed science extension

programs. A nominee for this award must be a member of WSSA and must have been active in extension work for 4 out of the past 5 years with a minimum of 75 percent of his/her extension work involved in weed science.

Chair: Richard Zollinger (r.zollinger@ndsu.edu)

OUTSTANDING RESEARCH AWARD

This award recognizes originality, creativity and impact in basic or applied weed science research. The award is for members of the WSSA who have conducted creative and innovative research with significant impact on the scientific concepts or practices of weed science that is recognized both nationally and internationally. The nominee should have an established, documented record of significant accomplishments in research.

Chair: Joseph DiTomaso (jmditomaso@ucdavis.edu).

OUTSTANDING TEACHER AWARD

This award recognizes outstanding undergraduate and graduate teaching. The nominee must be a member of WSSA and currently active in teaching weed science. The recipient must have taught a weed science course at least five times or have served as the major professor for at least five students who received advanced degrees with research in weed science.

Chair: Rene Van Acker (vanacker@uoguelph.ca).

OUTSTANDING INDUSTRY AWARD

The nominee must be a member of the WSSA and actively employed in private industry at the time of nomination. Weed science activities should have been a major component of the nominee's job description during his/her career.

Chair: Case Medlin (case.medlin@okstate.edu).

EARLY CAREER

OUTSTANDING SCIENTIST AWARD

This award is for originality and creativity and notable contribution to weed science early in a career and also the potential for continued excellence. The recipient of this award must be an active member of WSSA and must have completed a minimum of 5 years of work in weed science in addition to his/her terminal degree. Also, the nominee must not be over 40 years of age, or have completed more than 10 years of work after the terminal degree, on January 1, 2009.

Chair: Tom Mueller (tmueller@utk.edu).

OUTSTANDING GRADUATE STUDENT AWARD

This award is to recognize a student with a good academic record and sound training in weed science who has made notable contributions to weed science. Above all,

CONTINUED on pg 10 ➤➤

WSSA to Host The International Bioherbicide Group Workshop

The Weed Science Society of America will host the IXth International Bioherbicide Group (IBG) Workshop on February 8, 2009, as a satellite conference of the WSSA/SWSS joint meeting in Orlando, Florida. The IBG was formed to foster communication, collaboration and advancement in the field of biological control of weeds using plant pathogens. IBG researchers are involved in both bioherbicide (inundative) as well as classical approaches to biological control of weeds. We hope that conducting this workshop in conjunction with the WSSA annual meeting will facilitate the exchange of information among biological control researchers and "traditional" weed scientists; and foster a greater understanding of the role biological control may play in weed management systems for agroecosystems and public lands.

In addition to the volunteer presentations at the IBG workshop, a field tour of weed biocontrol sites is planned for Monday, February 9. All WSSA members are invited to participate in the IBG workshop and/or the field tour. More details will be available soon.

If you would like to learn more about the IBG or IBG workshops, contact Joe Neal (joe_neal@ncsu.edu), Chair of the WSSA Biocontrol Committee, or visit the IBG website at: <http://ibg.ba.cnr.it/>

NOMINATORS NEEDED CONTINUED from pg 9

the student must be a truly outstanding individual with excellent potential for continued development. Nominees must be a candidate for the M.S. or Ph.D. degree or have received the degree within the past 12 months at the time the award is presented. The nomination should be initiated by the student's major advisor.

Chair: Ed Luschei (ecluschei@wisc.edu).

UNDERGRADUATE RESEARCH AWARD

This award is designed to encourage and involve exceptional undergraduates in agricultural research. Interested faculty members are encouraged to identify potential award candidates and discuss the possibility of sponsoring a research project. Any faculty member who is actively engaged in weed science research is qualified to be a sponsor. Awards may be used as a stipend, for research budget expenses (travel, supplies, etc.), to defer fees, to defray living expenses for summer research, or any combination of these items. The deadline for this award is November 14, 2008.

Chair: John Jachetta (jjjachetta@dow.com).

PHOTO CONTEST

This contest is open only to members of the WSSA and the subject of the photo must be related to weed science. Judges consider factors such as subject, composition, technical aspects, and overall appeal. Winners of the WSSA Photo Contest are announced at the awards ceremony. Please visit the WSSA website for additional rules and deadlines.

Chair: Shawn Askew (saskew@vt.edu).

PEOPLE & PLACES IN THE NEWS

Jerry Doll Named Honorary Member of ALAM

Dr. Jerry Doll, emeritus professor in Agronomy at the University of Wisconsin-Madison, was named a Honorary Member of the Asociacion Latino Americano de Malezas (ALAM) at the XVIII Congress of their association. The Congress was held in Ouro Preto, Brazil in May 2008 and was held in conjunction with the XXVI Congresso Brasileiro da Ciencia das Plantas Daninhas.

Congratulations to Jerry for this recognition of his contributions to weed science in Latin America.

10th World Congress on Parasitic Plants to be held in Turkey

The 10th World Congress on Parasitic Plants will be organized in Kusadasi, Turkey on June 8-12, 2009. Local hosts and organizing committees have already been established. Further information can be found at the conference website:

www.ippsturkey.com <<http://www.ippsturkey.com/>>

For scientific queries, contact Ahmet Uludag at secretary@ippsturkey.com

and queries on accommodations can be directed to deniz Yanar Servi at info@ippsturkey.com

This is a Congress of the International Parasitic Plant Society and will be organized with the support of Ege University and the Ministry of Agriculture of Turkey.

WSSA UNDERGRADUATE RESEARCH AWARD – 2009

The Weed Science Society of America (WSSA) has developed an Undergraduate Student Research Grant designed to encourage and involve exceptional undergraduates in agricultural research. Interested faculty members are encouraged to identify potential award candidates and discuss the possibility of sponsoring a research project. Awards may be used as a stipend, for research budget expenses (travel, supplies, etc.), to defer fees, to defray living expenses for summer research, or any combination of these items.

AWARD: Up to \$1000 for support of undergraduate research to be conducted over a minimum of one quarter/semester during 2009. This award may be used to defray the cost of research supplies or as a stipend. Support of a faculty sponsor is required. Awards will be made to the student, to be administered by the faculty sponsor's department.

APPLICANT: The applicant is an undergraduate student with a strong interest in Weed Science. Students majoring in all related disciplines may apply.

TO APPLY: Applicants should prepare a 2–3 page research proposal including name, address, phone number, E-mail address, title, objective, experimental approach, discussion, budget and references. The discussion section of the proposal should describe the expected results and their possible significance to Weed Science. The student should provide a cover letter in which general academic and career goals are discussed. A copy of the student's academic transcripts must also be provided.

FACULTY SPONSOR: Any faculty member who is actively engaged in Weed Science research is qualified to be a sponsor. The faculty sponsor should review the research proposal with special attention to the budget; the distribution of funds should be approved by both the student and sponsor. In addition, the sponsor should provide a letter of reference including a statement of his/her willingness to supervise the proposed research and to provide needed space, equipment and supplies above those requested in the proposal. The sponsor is encouraged to assist the student in presenting his/her results at a regional Weed Science Meeting.

HOW TO APPLY: The completed proposal, academic transcripts, cover letter and faculty letter of support should be forwarded to: Dr. John Jachetta, Dow AgroSciences, 9330 Zionsville Road, Indianapolis, IN 46268-1054; Phone: (317) 337-4686, Fax (317) 337-4649, E-mail: jjjachetta@dow.com. Proposals should be received no later than November 14, 2008. Funding decisions will be made by January 26, 2009, and presented at the 2009 WSSA National Meeting General Session.

WASHINGTON REPORT

by Lee Van Wychen, Director of Science Policy

2008 FARM BILL FINALLY BECOMES LAW

After more than two years of hearings and negotiations, the House and Senate have passed the 2008 Farm Bill. Knowing that the Administration would likely veto the bill, the Farm Bill conference committee members had to make some hard compromises to arrive at a version that would guarantee the two-thirds majority vote needed to override a veto. The 2008 Farm Bill contains 15 Titles, many of which have provisions with relevance to the WSSA. I'll try and highlight some of these.

In the **Commodity Programs** Title, it is important to remember that before farmers can receive direct payments, counter-cyclical payments, or average crop revenue election payments, they must agree to "**effectively control noxious weeds**" during the crop year for which the payments are made and in exchange for the payments. In other words, all federally listed noxious weeds must be controlled on any land enrolled in the USDA Commodity Programs. That's an important point to emphasize over and over again, especially from our university Extension personnel.

A new provision in the **Conservation** Title involves the Conservation Reserve Program (CRP). Now producers are allowed to do **routine grazing or prescribed grazing for the control of invasive species** without penalty or loss of their CRP contract. The producers, in coordination with their State technical committee, must develop appropriate vegetation management requirements and stocking rates for the land that are suitable for continued routine grazing and must establish the frequency during which routine grazing may be conducted, taking into consideration regional differences such as climate, soil type, and natural resources.

The purpose of the Environmental Quality Incentives Program (EQIP) is to provide technical, educational and

financial help to eligible farmers and landowners for conservation practices that address soil, water and related natural resource concerns on their farmland in an environmentally beneficial and cost-effective manner. Landowners could receive grants under the program of up to \$300,000 over any six year period. USDA will select projects based on environmental value, with greater significance given to practices that specifically promote: residue management; nutrient management; air quality management; **invasive species management**; pollinator habitat; animal carcass management technology; or **pest management**.

The **Research** Title has some considerable changes in the organization and structure of USDA's Research Education and Economics mission area that are designed to enhance and streamline multi-agency collaboration. You'll need to get your acronym list out and cross a few off (CSREES, NRI, IFAFS) and add some new ones (NIFA, REEO, AFRI). In addition, we should commend Dr. Gale Buchanan and his staff for their guidance and leadership in shepherding in \$500 million in **new mandatory research** funds over the next five years in areas such as specialty crops, organic agriculture, and biofuels.

The first new acronym you should add to your list is **NIFA, the National Institute of Food and Agriculture**. All of the authorities under the existing Cooperative State Research, Education and Extension Service (CSREES) are transferred to NIFA (i.e. cross CSREES off the list). NIFA will be headed by a Director who is a distinguished scientist and is appointed by the President. The NIFA Director shall report to the Secretary of Agriculture or the designee of the Secretary and will serve a 6-year term, subject to reappointment for an additional 6-year term. NIFA should give USDA's grant-making research agency additional visibility, independence, and

scientific credibility similar to that of the NIH or NSF.

NIFA will be responsible for administering the **Agriculture and Food Research Initiative (AFRI)** grants, which combines the money and authorities from the National Research Initiative (NRI) and Initiative for Future Agricultural and Food Systems (IFAFS) grants. Thus, you can cross off NRI and IFAFS and add AFRI in their place as the main competitive grants program at USDA. Discretionary funding for AFRI is set at \$700 million per year from 2008–2012 with 60% designated for basic research and 40% to applied. At least 30% of AFRI funds must go to integrated projects that include teaching and extension components as well.

The USDA Under Secretary for Research, Education and Economics, currently Dr. Gale Buchanan, will become USDA's chief scientist and retain jurisdiction over the Agricultural Research Service (ARS), the Economic Research Service (ERS) and the National Agricultural Statistics Service (NASS). To ensure greater collaboration among these agencies and NIFA, the Under Secretary will have an expanded staff to be housed within a new **Research, Extension and Education Office (REEO)**. The Under Secretary will be charged with preparing an annual "road map" to guide all of the USDA science agencies. The REEO will have six divisions, each led by a qualified division chief reporting to the Under Secretary in the following areas:

- Renewable Energy, Natural Resources and Environment.
- Food Safety, Nutrition and Health.
- Plant Health and Production.
- Animal Health and Production and Animal Products.
- Agriculture Systems and Technology.
- Agriculture Economics and Rural Communities.

As mentioned above, there is \$500 million in **new mandatory research**

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funds over the next five years in areas such as specialty crops, organic agriculture, and biofuels. The funds in these targeted research areas will be administered by NIFA and distributed through peer-reviewed, competitively awarded grants.

Of the \$500 million in new mandatory funds over the next five years, the new **Specialty Crop Research Initiative (SCRI)** will receive \$230 million for developing and disseminating science-based tools to address needs of specific crops and their regions in five legislatively mandated focus areas:

- Research in plant breeding, genetics, and genomics to improve crop characteristics;
- Efforts to identify and address threats from pests and diseases, including threats to specialty crop pollinators;
- New innovations and technology, including improved mechanization and technologies that delay or inhibit ripening;
- Efforts to improve production efficiency, productivity, and profitability over the long term (including specialty crop policy and marketing); and
- Methods to prevent, detect, monitor, control, and respond to potential food safety hazards in the production and processing of specialty crops, including fresh produce.

As part of this initiative, approximately **\$27 million in grants will be awarded in Fiscal Year 2008** on a competitive basis for research projects that address the five focus areas above. Priority will be given to projects that are multi-state, multi-institutional, or multidisciplinary; and include explicit mechanisms to communicate results to producers and the public.

Eligible applicants include federal agencies, national laboratories, colleges and universities, research institutions and organizations, private organizations or corporations, state agricultural experiment stations, individuals, or groups consisting of two or more of these entities.

It is anticipated that the **SCRI**

Request for Applications will be released in July 2008 with a 30-day open period. All applicants are required to provide funds or in-kind support from non-federal sources in an amount that is at least equal to the federal funds requested.

The 2008 Farm Bill will provide \$78 million in mandatory funds over the next five years for the **Organic Research and Extension Initiative (OREI)**, a five-fold increase from the \$15 million allocated in the expiring 2002 legislation. The OREI will facilitate research on the unique challenges of organic production and enhance the ability of organic producers and processors to grow and market organic food, feed, and fiber. The average cost of weed control in organic systems is about \$1000 per acre. In three national surveys, organic farmers ranked weed control as their number one priority among 30 different research areas.

The **Biomass Research and Development program** is the main biomass energy research program and is administered jointly with the Department of Energy. The 2008 Farm Bill continues this program and provides \$118 million in mandatory funding over Fiscal Years 2008–2012, which more than doubles current funding. There is an additional \$35 million per year authorized as discretionary funding.

In the Horticulture and Organic Agriculture Title, the 2008 Farm Bill allocates \$377 million for a new **Pest and Disease Program focused on combating invasive pests** and diseases. This program will be a collaborative effort between the USDA's Animal and Plant Health Inspection Services (APHIS) and state departments of agriculture.

WSSA MEMBERS GIVE INPUT TO USDA-ARS REVIEW OF CROP PROTECTION AND QUARANTINE PROGRAM

Approximately 20 members of the National and Regional Weed Science Societies traveled to Miami, FL during May 20–23 to participate in the USDA Agricultural Research Service's (ARS) Customer Workshop on Crop

Protection and Quarantine (NP 304). While the ARS is an intramural research agency within USDA, they are required to review, identify, and prioritize critical issues from stakeholders and end users to develop and guide future research. The USDA-ARS National Program for Crop Protection and Quarantine (NP 304) is the second largest national program area among the 22 national program areas within ARS with a budget of \$102.8 million in FY2007. The mission of the Crop Protection and Quarantine Program in USDA is "to provide technology to manage pest populations below economic damage thresholds by the integration of environmentally compatible strategies that are based on increased understanding of the biology and ecology of insect, mite, and weed pests."

The weed science community had a broad range of expertise present at the customer review workshop and we would like to recognize them below. We are especially grateful for those not employed by USDA who traveled on their own funds.

- Michael Barrett, University of Kentucky
Bill Bruckart, USDA-ARS, Fort Detrick, MD
Rakesh Chandran, West Virginia University
Caleb Daley, USDA-ARS, Houma, LA
Jeff Derr, Virginia Tech
Don Doggett, Lee County Hyacinth Control, FL
Derrill Fick, North Dakota Weed Control Association
Mike Foley, USDA-ARS, Fargo, ND
David Gealy, USDA-ARS, Stuttgart, AR
Jerry Green, Pioneer Hi Bred, Newark, DE
Brad Hanson, USDA-ARS, Parlier, CA
Carroll Johnson, USDA-ARS, Tifton, GA
Bruce Maxwell, Montana State University
Bob Nichols, Cotton Incorporated, Cary, NC
Jill Schroeder, New Mexico State University
Dale Shaner, USDA-ARS, Ft. Collins, CO

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Lee Van Wychen, WSSA,
Washington, DC
Lori Wiles, USDA-ARS,
Ft. Collins, CO

Research priorities that were identified in this workshop will be incorporated along with priorities from other customers and stakeholders, and through additional input into a 5-year Action Plan for National Program 305 Crop Protection and Quarantine (NP 304). ARS scientists are currently beginning the process of writing the first drafts of this Plan, which will be sent out for review around September. This Action Plan, once finalized, will be available on the ARS homepage at http://www.ars.usda.gov/research/programs/programs.htm?NP_CODE=304.

Any input that is outside the scope of NP 304 will be forwarded to the National Program Leaders of the appropriate National Programs for consideration as part of their respective Action Plans. The NP 304 Action Plan will include concerns or issues that are within the mission and/or activities of the Agricultural Research Service, but not those that are addressed by other federal agencies.



Left to right: Kelly Uhing, Colorado State Weed Coordinator, Slade Franklin, Wyoming State Weed Coordinator, and Jennifer Vollmer, BASF Environmental Resource Specialist, stop for a photo outside the White House in April on their way to a meeting on Capitol Hill. They have done a great deal of work and have been very active in trying to secure appropriations for the Salt Cedar and Russian Olive Control Demonstration Act.

LES MEHRHOFF ATTENDS CoFARM/BESC CONGRESSIONAL VISITS DAY IN DC

On April 8–9, Dr. Les Mehrhoff, Director of the Invasive Plant Atlas of New England (IPANE), located in the Department of Ecology and Evolutionary Biology at the University of Connecticut traveled to Washington, DC for the Coalition on Funding Agricultural Research Missions (CoFARM) and Biological and Ecological Sciences Coalition (BESC) Congressional Visits Day (CVD). Since 2003, CoFARM and BESC have teamed up to organize a CVD in the spring to support funding for USDA and NSF research programs.

During the first day, CVD participants were briefed on aspects of the USDA and NSF research budgets by the following speakers: Whitney Tull, American Society for Microbiology and CoFARM Chair; Robert Sterner, Director of the NSF Division of Environmental Biology; Deborah Sheely, Interim Deputy Administrator, USDA Competitive Programs; and Jean Fruci, Staff Director for House Subcommittee on Energy and Environment. Following the briefings, we held a reception on Capitol Hill honoring the support and contributions of Reps. Brian Bilbray (R-50th CA) and Brian Baird (D-3rd WA). Both Congressmen are members of the House Science Committee and have been very supportive of NSF funding.

On April 9, Les and I began our day with a CoFARM sponsored breakfast in the Secretary's Dining Room at the USDA Whitten Building where



Left to right: Rob Hedberg, USDA, Les Mehrhoff, Invasive Plant Atlas of New England (IPANE), and Steve Dewey, Utah State University and WSSA-EPA Liaison chat after breakfast in the Secretary's Dining Room at USDA.

Steve Dewey joined us since he was in DC for the week on his WSSA-EPA liaison assignment.

Following breakfast, we headed to Capitol Hill to begin our Congressional Visits. We met with staff members from most of the Connecticut congressional delegation including Senators Lieberman and Dodd and House Agricultural Appropriations Chairwoman Rosa DeLauro. Overall, the CoFARM/ BESC Congressional Visits Day was a big success.

APHIS ISSUES FEDERAL IMPORT QUARANTINE ORDER ON OLD WORLD CLIMBING FERN

Effective immediately, USDA-APHIS Plant Protection and Quarantine is issuing a Federal Import Quarantine Order restricting the importation of *Lygodium microphyllum* (Old World climbing fern) and *Lygodium flexuosum* (maidenhair creeper). The restrictions apply to any parts capable of propagation, including spores and leaves (fronds) of these climbing fern species.

Lygodium microphyllum occurs in Florida where it is damaging habitats for federally-listed threatened and endangered species in the Everglades National Park, National Wildlife Refuges, and other conservation areas. Native to Asia and Australia, Old World climbing fern climbs into trees and shades out native vegeta-

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tion in hundreds of acres in east-central Florida. Dense growth of the plant can also be a fire hazard, frequently enabling small ground fires to reach into tree canopies where it can kill growing branches. *L. microphyllum* is a Florida State noxious weed, subject to control. Areas of the United States at risk from infestation by *L. microphyllum* include the uninfested areas of Florida, and **coastal regions of Texas, Louisiana, Alabama, and Mississippi.**

Lygodium flexuosum is a weed in rice, plantation crops, and natural lowland vegetation areas in eastern Asia, BUT is not known to occur in the United States. This robust species spreads by rhizomes and by climbing over other vegetation. Like *L. microphyllum*, it has the potential to cause serious environmental and economic damage in the southernmost areas of the United States.

For additional information regarding this Federal Order, you may contact Ms. Polly Lehtonen at (301) 734-4394 or

polly.p.lehtonen@aphis.usda.gov

NASS PESTICIDE REPORTING PROGRAM TOO EXPENSIVE FOR USDA

In May, the USDA announced the planned shutdown of a pesticide reporting program, despite protests from scientists, agricultural chemical companies, commodity organizations, federal and state regulatory agencies, and advocacy groups who wanted the effort retained.

The USDA National Agricultural Statistics Service (NASS) maintains that it was simply a matter of budget priorities. NASS officials regret having to cut the program but said that they can no longer dedicate the resources required to run the program, which costs \$8 million of the service's \$160 million annual budget. Since 1990, scientists have relied on the program's data to monitor pesticide uses and trends in order to conduct research, write grants, and adjust their Extension and outreach activities. The NASS pesticide use survey data was the only publicly available and most statistically reliable source for this data.

FIRST COOPERATIVE WEED MANAGEMENT AREA (CWMA) CONFERENCE A SUCCESS

"People-Powered Projects: The National Cooperative Weed Management Area Conference" was held April 15-17, 2008 in Reno, NV. The conference focused on CWMA funding and logistics, working with volunteers, Early Detection and Rapid Response (EDRR), awareness and outreach, approaches to mapping, and state and national initiatives, and concluded with an all-day field trip to restoration sites in the Reno area.

PowerPoint presentations with audio can now be viewed at

http://www.weedcenter.org/CWMAconf/CWMA_conf_home.html

(click on "Presentations"). In addition to enjoying 27 talks by speakers from

across the U.S., attendees from 37 states provided glimpses of cooperative weed management activities in their own states. Their two-minute presentations are compiled into a slideshow at

http://www.weedcenter.org/CWMAconf/CWMA_conf_home.html

(click on "Slideshow"), which offers a great snapshot of people-powered projects across the nation.

The conference was organized by the Center for Invasive Plant Management and co-hosted by a broad coalition of organizations: Alaska Committee for Noxious and Invasive Plant Management, California Invasive Plant Council, Invasive Plant Atlas of New England, Mid-Atlantic Exotic Pest Plant Council, Midwest Invasive Plant Network, National Park Service, Nevada Department of Agriculture, and the Southeast Exotic Pest Plant Council.

Lee Van Wychen, Ph.D.
Director of Science Policy
The National and Regional Weed Science Societies
900 2nd St. NE, Suite 205
Washington, DC 20002
Lee.VanWychen@wssa.net
Phone: 202-746-4686
Fax: 202-408-5385
www.wssa.net

SEND NEWSLETTER MATERIAL TO:

Dr. Clifford Koger (Trey)
Editor, WSSA Newsletter

Delta Research and Extension Center
Mississippi State University
P. O. Box 197

Stoneville, MS 38776
tkoger@drec.msstate.edu
(662) 686-9311 Office
(662) 686-7336 Fax

WSSA HOME PAGE
ACCESSED AT:

www.wssa.net

THINK NEWSLETTER

Deadline for October issue
September 1, 2008

EPA Liaison Report

A liaison position between WSSA and EPA Registration Division was created by the WSSA Board of Directors in May, 2007. The vision for this position was to develop a liaison between the academic Weed Science community and the Environmental Protection Agency (EPA) in order to assist the Agency in addressing crop and non-crop weed management issues that directly impact the weed management practitioner. The expectation was that a WSSA/EPA Subject Matter Expert (SME) would learn the registration and reregistration processes at the Environmental Protection Agency (EPA), become familiar with the EPA scientific committees and how they operate, and develop a basic understanding of how EPA OPP risk assessments are conducted. With this background, the WSSA/EPA SME represents the WSSA membership to EPA and provides critical input on topics such as the utility of label mitigations for herbicide use, spray drift management, invasive species management near endangered species, and the role of weed control in land management.

Steve Dewey provides the following report:

April-May, 2008

In April I made my eighth visit to EPA's Office of Pesticide Programs (OPP) in Washington, DC. As in previous visits, I was invited to participate in numerous committee meetings and individual discussions covering a wide variety of herbicide practices and policies. At my request, I was also briefed by a group of chemists and toxicologists from OPP's Health Effects Division on the latest pesticide toxicology/risk assessment requirements. In my opinion, this week-long exchange of information was highly and mutually beneficial to both EPA and WSSA.

During the last week of April, I had the privilege to join Dan Kenny (Branch Chief of EPA's Herbicide Registration Division) as he participated in the annual four-day Western Society of Weed Science (WSWS) Weed Management Workshop in

Chico, MT. Dan's primary interest in attending the course was to learn as much as possible about invasive weeds and the specific practices commonly used to manage them in non-agricultural settings. The wide variety of topics presented during the course included weed identification, weed ecology, wildland weed inventory and mapping techniques, integrated weed management principles and methods, herbicide options for specific invasive weeds, sprayer equipment and calibration, herbicide modes of action, herbicide formulations and surfactants, herbicide risk assessment, herbicide fate in the environment, considerations for riparian weed management, biological weed control, use of livestock as a weed management tool, and site restoration following weed control. In addition to benefiting from the technical information presented by workshop instructors, Dan gained valuable new insights into the unique weed control challenges and needs that were expressed by each of the 40 federal,

state, county, and private land managers taking the course.

Following the weed management workshop in Chico, Dan and I and Celestine Duncan spent a full day in Yellowstone National Park with Craig McClure (Yellowstone NP Exotic Plant Management Coordinator) visiting about the Park's weed program and touring various weed management areas within the Park. Particularly impressive were the numerous examples of herbicides being used effectively and safely to reduce or eradicate invasive weed infestations without adverse effects on the Park's wildlife, native plant communities, or other unique natural resources. I anticipate that the new perspectives Dan gained at the WSWS workshop and during his experience in Yellowstone National Park will have a strong positive influence on EPA's view of the importance of controlling invasive weeds and the critical role of herbicides in non-agricultural weed management.

Steve Dewey

WSSA Seeking Next Liaison with EPA for 2009

The Weed Science Society of America (WSSA) is seeking a qualified individual to interact with the U.S. Environmental Protection Agency (EPA) and serve as a liaison between WSSA members and EPA employees. Dr. Steve Dewey from Utah State University has served in this role over the past 18-months and will be making his 12th and final liaison trip to EPA during the week of December 8, 2008.

Ideally, this individual will travel to Arlington, VA for one week per month for the first six months and then approximately a week every two months to work in EPA's Office of Pesticide Programs (OPP). This individual will interact with EPA employees and provide input on a wide range of topics such as the utility of label mitigations for herbicide use, spray drift management, invasive plant management near endangered species, and the role of weed control in land management.

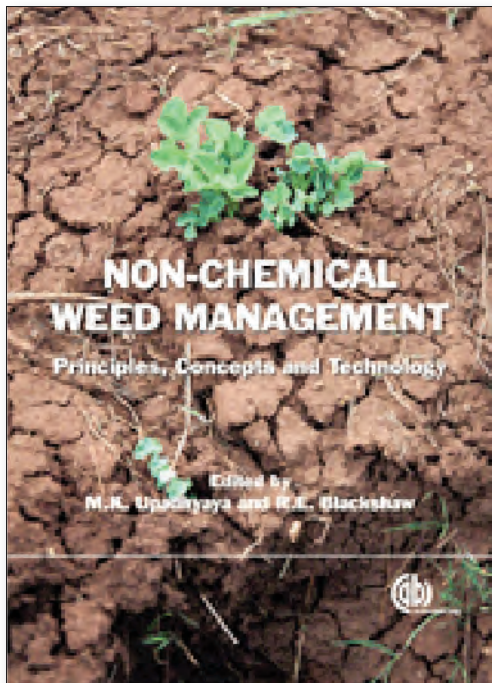
This individual should be willing to learn the registration and reregistration processes for herbicides, become familiar with the EPA scientific committees and how they operate, and develop a basic understanding of how EPA OPP risk assessments are conducted.

This individual must be a member of the WSSA, and prepare a quarterly report for the WSSA Newsletter and a semi-annual report to WSSA Board of Directors.

The WSSA will help reimburse this individual for travel and per diem expenses while working at EPA up to a predetermined limit, while the applicant continues to receive a salary through their employer.

The application period will end on September 30, 2008. Ideally, the individual selected would be able to make their first week-long visit to EPA in January of 2009, but start time is negotiable.

Please send a letter of intent and resume by email to: Lee Van Wychen at Lee.VanWychen@wssa.net. If you have questions, please contact me or WSSA President Jeff Derr at jderr@vt.edu.



Non-Chemical Weed Management Principles, Concepts and Technology

M. K. Upadhyaya, University of British Columbia, Canada
and
R. E. Blackshaw, Agriculture and Agri-Food, Canada

November 2007 240 pages Hardback 978 1 84593 290 9

£ 75.00 / US \$130.00 / €105.00

Subject Classification: PDW, PST, RNF, KNAC
Territorial Market Rights: World



Following several decades of popularity after the Second World War, the use of synthetic herbicides is now experiencing a backlash within the agriculture industry. The increase in organic farming and concerns about potential negative effects on human health and the environment is creating a demand for pesticide-free food and alternative weed management techniques. International research has now explored the potential, limitations and impacts of non-chemical alternatives and the effect of different strategies on the entire agro- or natural ecosystem.

Through the re-evaluation of techniques previously considered uneconomical or impractical, this text provides a comprehensive examination of non-chemical weed management.

Readership: Weed science and vegetation management students as well as agricultural professionals.

Contents

1. Prevention Strategies in Weed Management
2. Understanding Weed-Crop Interactions to Manage Weed Problems
3. Cultural Weed Management
4. Cover Crops and Weed Management
5. Allelopathy, a Potential Tool in the Development of Strategies for Biorational Weed Management
6. Biological Control of Weeds Using Arthropods
7. Bioherbicides for Weed Control
8. Mechanical Weed Management
9. Use of Non-Living Mulches for Weed Control
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12. Non-Chemical Weed Management? Synopsis, Integration, and the Future

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CABI Head Office,
Nosworthy Way,
Wallingford,
Oxfordshire,
OX10 8DE, UK

T: +44 (0) 1491 832111
F: +44 (0) 1491 833508
E: corporate@cabi.org

IMPORTANT ADDRESSES

PRESIDENT

Jeff Derr
Virginia Tech.
Hamptons Rd. R&E Center
1444 Diamond Springs Rd.
Virginia Beach, VA 23455-3363
Telephone: (757) 363-3912
Fax: (757) 363-3950
e-mail: jderr@vt.edu

PRESIDENT-ELECT

David R. Shaw
GeoResources Institute
Mississippi State University
Box 9652
Mississippi State, MS 39762
Telephone: (662) 325-9575
Fax: (662) 325-9578
e-mail: dshaw@gri.msstate.edu

VICE-PRESIDENT

John J. Jachetta
DowAgro Sciences Bldg 308 2E/05
9330 Zionsville Road
Indianapolis, IN 46268
Telephone: (317) 337-4686
Fax: (317) 337-4649
e-mail: jjjachetta@dow.com

PAST-PRESIDENT

Jill Schroeder
New Mexico State University
Entomology, Plant Pathology,
and Weed Science
Box 30003, Dept. 3BE
Las Cruces, NM 88003-0000
Telephone: (505) 646-2328
Fax: (505) 646-8087
e-mail: jjschroe@nmsu.edu

SECRETARY

Richard Zollinger
North Dakota State University
Department of Plant Sciences
Box 5051 Loftsgard Hall
Fargo, ND 58105-5051
Telephone: (701) 231-8157
Fax: (701) 231-8474
e-mail: r.zollinger@ndsu.edu

TREASURER

Dave Gealy
USDA/ARS
Dale Bumpus National Rice
Research Center
P. O. Box 1090
Stuttgart, AR 72160
Telephone: (870) 672-9300 ext. 226
Fax: (870) 673-7581
e-mail: dgealy@sapa.ars.usda.gov

DIRECTOR OF PUBLICATIONS

James V. Anderson
USDA-ARS, PSR
1605 Albrecht Blvd.
Fargo, ND 58105-5674
Telephone: (701) 239-1263
Fax: (701) 239-1252
e-mail: james.anderson@ars.usda.gov

DIRECTOR OF SCIENCE POLICY

Lee Van Wychen
900 Second St. NE, Suite 205
Washington, DC 20002
Telephone: (202) 408-5388
Fax: (202) 408-5385
e-mail: Lee.VanWychen@wssa.net

EXECUTIVE SECRETARY

Joyce Lancaster
P. O. Box 1897
Lawrence, KS 66044
Telephone: (785) 843-1235, ext. 250
Fax (785) 843-1274
e-mail: jlancaster@allenpress.com

IWSS

Albert J. Fischer
Vegetable Crops Dept
University of California
One Shields Ave.
Davis, CA 95616
Telephone: (530) 752-7386
Fax: (530) 752-4604
e-mail: ajfischer@ucdavis.edu

CAST

John Bonner
505 Capitol Court, NE, Suite 200
Washington, DC 20002-4397
Telephone: (202) 675-8333, Ext 11
Fax: (202) 675-8334

AIBS (Our Representative)

Lee Van Wychen
900 Second St. NE, Suite 205
Washington, DC 20002
Telephone: (202) 408-5388
Fax: (202) 408-5385
e-mail: Lee.VanWychen@wssa.net

NEWSLETTER EDITORS:

WSSA

Clifford (Trey) Koger
Delta Research and Extension Center
Mississippi State University
P. O. Box 197
Stoneville, MS 38776
Telephone: (662) 686-9311
Fax: (662) 686-7336
e-mail: tkoger@drec.msstate.edu

Aquatic Plant Mgmt. Society (APMS)

Chetta Owens
Telephone: (972) 436-2215
e-mail: chetta@laerf.org

NEWS

Dwight D. Lingenfelter, M.S.
Extension Agronomist
Dept. of Crop and Soil Sciences
Penn State University
116 ASI Building
University Park, PA 16802
Telephone: (814) 865-2242
Fax: (814) 863-7043
e-mail: DXL18@psu.edu

NCWSS

Harlene Hatterman-Valenti
North Dakota State University
Department of Plant Sciences
166 Loftsgard Hall
Fargo, ND 58105
e-mail: h.hatterman.valenti@ndsu.edu

SWSS

Al Rankins
Mississippi State University
Plant & Soil Sciences Department
Box 9555
Mississippi State, MS 39762
Telephone: (662) 325-3341
Fax: (662) 325-8742
e-mail: arankins@pss.msstate.edu

WSWS

Cheryl Fiore
Department of Entomology, Plant Pathology
and Weed Science
New Mexico State University
Box 30003 MSC 3BE, Las Cruces, NM 88003
Telephone: (575) 646-1627
Fax: (575) 646-8087
e-mail: cfiore@nmsu.edu

CWSS

Daniel Cloutier
P. O. Box 222, Sainte-Anne-De-Bellevue
Quebec, Canada H9X 3R9
Telephone: (514) 630-4658
Fax: (514) 695-2365
e-mail: assistant@cwss-scm.ca

IWSS

Jerry Doll
Dept. of Agronomy
1575 Linden Drive, Madison, WI 53706
Telephone: (608) 836-8809
Fax: (608) 262-5217
e-mail: jddoll@wisc.edu

CALENDAR OF UPCOMING EVENTS

DATE	EVENT	LOCATION	CONTACT
July 13-16, 2008	Aquatic Plant Management Society, Inc. 48th Annual Meeting	The Mills House Hotel Charleston, South Carolina	Mark Heilman, APMS Secretary Email: markh@sepro.com
August 6, 2008	SWSS Weed Contest	Citra, Florida	http://plantscienceunit.ifas.ufl.edu/index.shtml
September, 2008	Joint International Conferences on Ragweed	Budapest, Hungary and Osijek, Croatia	http://www.nki.hu/ragweed-joint.html
September 21-25, 2008	International Allelopathy Society Triennial World Congress on Allelopathy (the 5th)	Saratoga Springs, New York	www.iascongress5.org
December 8-11, 2008	NCWSS Annual Meeting	Indianapolis, Indiana	http://www.ncwss.org/
January 5-8, 2009	63rd Annual Meeting of the NEWSS	Renaissance Harborplace Hotel Baltimore, Maryland	www.news.org
February 8, 2009	IX International Bioherbicide Group Workshop	Orlando, Florida	Joe Neal (joe_neal@ncsu.edu) Chairman, WSSA Biocontrol Committee IBG website: http://ibg.ba.cnr.it/
February 9-12, 2009	Joint WSSA-SWSS Meeting	Hilton in Walt Disney World Resort Orlando, Florida	WSSA: www.wssa.net SWSS: www.weedscience.msstate.edu/swss
March 24-26, 2009	6th International IPM Symposium	Oregon Convention Center Portland, Oregon	Margaret Appleby margaret.appleby@ontario.ca or 613-475-5850 Robert Hedlund rhedlund@usaid.gov or 202-712-4188 Greta Schuster gschuster@mail.wtamu.edu or 361-595-4116
June 8-11, 2009	Fourth International Symposium on Plant Dormancy	Fargo, North Dakota, USA	Marcia Meyer or Mike Foley Email: info@plantdormancy.com www.plantdormancy.com
June 8-12, 2009	10th World Congress on Parasitic Plants	Kusadasi, Turkey	Ahmet Uludag secretary@ippsturkey.com www.ippsturkey.com http://www.ippsturkey.com/