



# WSSA

WEED SCIENCE SOCIETY OF AMERICA

Volume 35, No. 3  
July, 2007

## Newsletter



### PRESIDENT'S MESSAGE

I am writing this message impressed with the enthusiasm, dedication, and volunteer spirit of our members. I want to express my appreciation to all in our society for your hard work on behalf of our discipline. What follows are highlights of some of the many activities that are taking place this year in WSSA.

- The Program Committee (W1) chaired by President-elect Jeff Derr is working on the program for the 2008 annual meeting scheduled for February 4–7 at the Hilton Chicago. A highlight of the meeting will be the ARS National Program Workshop that will be held in Chicago from February 7–9 and bring in stakeholders from around the U.S. Jeff is working with Ernest S. Delfosse, Senior National Program Leader ARS, to coordinate these programs.
- Planning for the International Weed Science Society (<http://iws.ucdavis.edu/>) meeting scheduled for June 23–27, 2008 in Vancouver, BC, Canada, co-sponsored by WSSA and CWSS (S63), is also well underway. Please consider attending and participating.
- The ninth edition of the Herbicide Handbook will soon be available. Thank you to Scott Senseman and his committee (P6) for all their efforts. The Herbicide Handbook is a valued resource worldwide.
- The Public Relations Committee (S65) chaired by Janis McFarland has been actively working on the initiative to increase public awareness of Weed Science and especially the areas of invasive weed management and urban weed control. Upon their recommendation, WSSA retained an expert company, Achieva, which has the types of skills that can bring our needs forward. The committee has been meeting regularly with Achieva to develop public relations messages about weeds. If you are contacted for information, please provide assistance so they can acquire the most current and accurate information about our discipline. The committee and board will be evaluating the effectiveness of this initial campaign at the summer board meeting.
- The Research Committee (E6) chaired by Dean Riechers is writing a manuscript that outlines the future research needs and opportunities in Weed Science. To ensure that they understand the breadth of issues facing our discipline, the committee developed a survey that has been sent to the membership. If you have not provided your input to the committee, please complete the survey so that they can develop a manuscript that reflects the views of our entire membership.

CONTINUED on pg 2 ➤➤

**CALL FOR NOMINATIONS**  
**CALL FOR PAPERS**

#### IN THIS ISSUE

Call for Nominations . . . . .	3	Washington Report . . . . .	10	Necrology . . . . .	19
Call for Papers . . . . .	5	WSWS Annual Conference . . . . .	15	Position Announcements . . . . .	22
Undergraduate Award . . . . .	9	WSSA Presidents/Fellows . . . . .	16	Calendar of Events . . . . .	23

## PRESIDENT'S MESSAGE CONTINUED from pg 1

- The Professional Development Committee (S64) chaired by Tracy Sterling has continued work to implement their recommendation that WSSA provide additional activities to enhance professional development opportunities for members. To further that objective, Chad Brommer, Tracy, and the rest of the committee developed a survey designed to assess member's professional development needs and goals. They will provide recommendations for board consideration and action this summer.
- Steve Dewey has already begun working with EPA as the WSSA/EPA Weed Science Subject Matter Expert. John Jachetta, Board Member at Large, the Federal Noxious and Invasive Weeds Committee (E4), chaired by Charles Bryson, and Lee VanWychen, Director of Science Policy, were instrumental in developing this opportunity, recruiting for the position, and selecting Steve to serve in this position. As a result, WSSA has a unique opportunity to interact with, learn from, and provide information to a federal agency. We will look forward to regular updates from Steve as this year progresses.
- The new journal, *Invasive Plant Science and Management*, is on track for publication beginning in 2008. Janet Clark, Program Manager, and Joe DiTomaso, Editor, are working with the committee (P4), chaired by Vanelle Peterson and Lars Anderson, to make this an outstanding publication. In addition, we are contracting with the Chain Bridge Group to develop a sound business and marketing plan for the new journal.
- Lee VanWychen, Director of Science Policy, has been working to develop and maintain contacts in Washington, D. C. on behalf of WSSA and the affiliated societies. Rich Bonanno, chair of the Science Policy Committee (E2), provides regular guidance and support to Lee. In addition to his activities in Washington, Lee has been an active participant on WSSA committees related to policy, public relations, and activities in Washington. I find that Lee's regular updates are clear and insightful. I had an opportunity to spend a few days in Washington recently. Lee arranged for us to meet with Michael Bowers, CSREES, Ernest DeFosse, ARS, and Rick Keigwin and Arnet Jones, EPA BEAD. We had excellent discussions about Weed Science issues of mutual interest. I also attended the first NIWAW 9 planning meeting chaired by Nelroy Jackson. The committee is already at work on 2007-08 activities. Please read Lee's report to understand the full scope of his activities on our behalf.
- Mike Barrett and John Jachetta, Board Members at Large, have been working with Thomas Sullivan, facilitator, and me to organize a tactical planning session for the summer board meeting. We need to be able to evaluate the value of our projects to WSSA and evaluate the financial status of each project (cash positive, cash neutral, cash negative). Our goal this summer is to develop a process for evaluating our many projects on a regular basis. We will report on our progress after the summer board meeting July 20-22.

In closing, I have three requests:

1. Please take the time to look at the website. David Krueger, web manager, and Tom Fermanian, web editor, have done a tremendous job with the new web site. Please provide your input on web content to Tom, the website committee (P23) chaired by Ed Luschei, or through our WSSA committees (maintenance committee assignments were outlined in the April 2007 newsletter). We need to make sure that our web site is current and relevant.
2. Please take the time to nominate candidates for our society awards. We have many qualified members who should be recognized for their contributions to research, education, extension and the activities of the society.
3. Please share your suggestions about the society with me or other members of the board. We need your input. Thank you again for your contributions.

Jill Schroeder  
President  
[jischroe@nmsu.edu](mailto:jischroe@nmsu.edu)

## WSSA FUTURE MEETING SITES AND DATES

2008  
Chicago, IL  
February 4-7  
[www.wssa.net](http://www.wssa.net)

2009  
Orlando, FL

**THINK NEWSLETTER**  
Deadline for October issue  
September 1, 2007

Send Newsletter material to:

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# 2007 CALL FOR AWARD NOMINATIONS AND AWARDS SUMMARY

The **September 10, 2007** deadline for award nominations is coming soon and now is the time to begin preparing nominations. If you know of someone whose outstanding work in weed science qualifies them for an award, please visit the **WSSA website (<http://wssa.net/WSSA/SocietyInfo/Nominations.htm>)** for award nomination forms and information.

Many outstanding WSSA members should be recognized, but recognition can only come after nomination. WSSA presents awards for outstanding service each year. These include the Outstanding Teacher, Research, Extension, Industry, Early Career Weed Scientist, Graduate Student and Undergraduate Research Awards. Award recipients will be announced at the annual meeting next February in Chicago, IL. Nominations are also open for Fellows for 2008 and Honorary Member for 2009. Current members of Award subcommittees are ineligible for rewards from their respective subcommittee. Also, any WSSA member who has won an outstanding service award is not eligible to receive a second one in the same category.

## FELLOW AWARD

WSSA members are invited to nominate a member of WSSA who they believe deserves a special recognition because of his/her contribution to WSSA and the field of Weed Science. Up to 0.3 percent of the active membership of WSSA may be elected as Fellows in any one year. Nominees must be members of the WSSA who have been active for at least 10 years. They must have made substantial contributions 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. **Jim Barren-**

**tine ([jb.us@cheminova.com](mailto:jb.us@cheminova.com))**, chair of the Fellows and Honorary Member Awards Subcommittee, may be contacted for questions on the electronic submission of nomination packages.

## HONORARY MEMBER AWARD

WSSA members are invited to nominate individuals for election as an Honorary Member of WSSA. 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 WSSA. Only one honorary member is selected per year. Nominees may be from the United States, Canada, or other countries. **Jim Barrentine ([jb.us@cheminova.com](mailto:jb.us@cheminova.com))**, chair of the Fellows and Honorary Member Awards Subcommittee, may be contacted for questions on the electronic submission of nomination packages.

## OUTSTANDING EXTENSION AWARD

A nominee for this award must have been active in extension work 4 out of the past 5 years with a minimum of 75 percent of his/her extension work involved in weed science. The nominee must also be a member of WSSA. **Richard Zollinger ([r.zollinger@ndsu.edu](mailto:r.zollinger@ndsu.edu))**, chair of the Outstanding Extension Award Subcommittee, may be contacted for questions on the electronic submission of nomination packages.

## OUTSTANDING RESEARCH AWARD

This award is for research workers who are members of WSSA and who have demonstrated originality and creativity and whose work has had an impact in the field of weed science. The award is established to recognize outstanding contributions to both applied and basic weed science research. **Joseph DiTomaso ([jmditomaso@ucdavis.edu](mailto:jmditomaso@ucdavis.edu))**, chair of the Outstanding Research Award Subcommittee,

may be contacted for questions on the electronic submission of nomination packages.

## OUTSTANDING TEACHER AWARD

To be eligible for this award, the nominee must be a member of WSSA and currently active in teaching weed science. The recipient must have taught a weed science course(s) at least five times or have served as major professor for at least five students who have received advanced degrees and whose research was in weed science. **Rene Van Acker ([vanacker@uoguelph.ca](mailto:vanacker@uoguelph.ca))**, chair of the Outstanding Teacher Award Subcommittee, may be contacted for questions on the electronic submission of nomination packages.

## OUTSTANDING INDUSTRY AWARD

WSSA members are invited to nominate a member of WSSA who they believe deserves special recognition because of his/her contribution to the field of weed science. The nominee must be a member of the WSSA and actively employed in private industry at the time of nomination. The nominee must be actively engaged in weed science activities and weed science should have been a major component of the nominee's job description during his/her career. **Case Medlin ([case.medlin@okstate.edu](mailto:case.medlin@okstate.edu))**, chair of the Outstanding Industry Award Subcommittee, may be contacted for questions on the electronic submission of nomination packages.

## EARLY CAREER OUTSTANDING SCIENTIST AWARD

The recipient of this award must be an active member of WSSA, must have completed a minimum of 5 years of work in weed science in addition to their terminal degree, and not be 41 years of age by January 1, 2003; or have demonstrated no more

CONTINUED on pg 4 ➤➤

## CALL FOR NOMINATIONS

CONTINUED from pg 3

than 10 years of work after their terminal degree. This award is for young scientists who have demonstrated originality and creativity, have made a notable contribution to weed science and have potential for continued excellence. **Tom Mueller (tmueller@utk.edu)**, chair of the Early Career Outstanding Scientist Award Subcommittee, may be contacted for questions on the electronic submission of nomination packages. Note: the title of this Award was formerly the Outstanding Young Weed Scientist Award.

### OUTSTANDING GRADUATE STUDENT AWARD

The student 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 student should have made notable contributions to weed science and should have a good academic record and sound training in weed science. Above all, the recipient must be recognizable as a truly outstanding individual with excellent potential for continued development. The nomination should be initiated by the student's major advisor. **Rene Van Acker (vanacker@uoguelph.ca)**, chair of the Outstanding Graduate Student Award Subcommittee, may be contacted for questions on the electronic submission of nomination packages.

### UNDERGRADUATE RESEARCH AWARD

The Education Committee of WSSA developed an Undergraduate Student Research Award designed to support undergraduate involvement 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 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. **Nominations**

for this award are due **November 16, 2007**. **John J. Jachetta (jjjachetta@dow.com)**, chair of the Undergraduate Research Award Subcommittee, may be contacted for questions on the electronic submission of nomination packages.

### PHOTO CONTEST

Winners of the WSSA Photo Contest are announced at the awards ceremony. This contest is open only to members of the WSSA and the subject of the photo must be related to weed science. There are two divisions: Color Print and Color Slide/Digital File. Judges consider factors such as subject, composition, technical aspects, and overall appeal. Mail images to **Shawn Askew (saskew@vt.edu)** by January 17, 2008 or submit by 1:00 p.m. Monday, February 4, 2008 at the WSSA Registration Desk.

### CHARLES A. BLACK AWARD

The Charles A. Black Award is to

be awarded annually to a Food or Agricultural Scientist, actively engaged in research, who has made significant scientific contributions to his/her scientific field, and who is selected on the basis of significant abilities to communicate the importance of his/her work and of agricultural science to layman policy makers and media. These nominees may have demonstrated their ability to communicate either by written material, spoken material, use of television, radio, or other media. They should be recognized by their peers as scientists who have made significant contributions in their professional fields.

CAST is solely responsible for the selection of the individual to receive the Award. Evaluation of the nominations will be made by a committee from the CAST Board, appointed by the CAST President. Information on nominations for this award can be found on the CAST website (<http://www.cast-science.org/charlesABlack.asp>).

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# CALL FOR PAPERS – 2008 WSSA MEETING

## INVITATION

You are invited to submit titles and abstracts for papers to be presented at the WSSA Meeting in Chicago, Illinois on February 4–7, 2008, Monday to Thursday. Volunteer papers may be presented orally in one of the breakout sections or as a poster. 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

Abstracts must be submitted electronically by **October 2, 2007**, to be considered. This deadline applies to symposium papers, as well as to volunteer papers and posters. 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 12, 2008**, with limited copies 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.

## 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

The WSSA has adopted LCD projection for PowerPoint presentations as the standard and will be used exclusively for the 2008 meeting in Chicago, Illinois. **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 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, 2008**). 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.*

CONTINUED on pg 6 ➤➤

## SUBMISSION OF TITLE and ABSTRACT

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

- After **September 1, 2007**, 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 OF ABSTRACT

*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.

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 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, Bloornington, 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.

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<sup>-1</sup>). 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 Interna-

CONTINUED on pg 7 ➤➤

## CALL FOR PAPERS CONTINUED from pg 6

tional 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).
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 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 2009 (Section Chair in 2010) 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.

CONTINUED on pg 8 ➤➤

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# WSSA UNDERGRADUATE RESEARCH AWARD – 2008

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The Weed Science Society of America 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 2008. 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, 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](mailto:jjjachetta@dow.com). Proposals should be received no later than November 16, 2007. Funding decisions will be made by January 25, 2008, and presented at the 2008 WSSA National Meeting General Session.

# WASHINGTON REPORT

by Lee Van Wychen, Director of Science Policy

## NOXIOUS WEED? INVASIVE PLANT? VOLUNTEER CROP?

Recently, I have been dealing with a number of increasing issues concerning the classification of weeds that may greatly impact the mission of the National and Regional Weed Science Societies. The mission of the WSSA ([www.wssa.net](http://www.wssa.net)) is to:

- 1) Promote research, education, and extension outreach activities related to weeds;
- 2) Provide science-based information to the public and policy makers;
- 3) Foster awareness of weeds and their impacts on managed and natural ecosystems.

As a weed scientist, I sometimes struggle with the various classifications of weeds such as noxious, exotic, invasive, alien, nonnative, non-indigenous, volunteer crop and my favorite—plant out of place (no acronym necessary). However, I believe there is a very important role for the weed science societies to help standardize science-based classifications for the public and policy makers as we foster the awareness of weeds and their impacts on both managed and natural ecosystems through research, education, and extension outreach activities.

Of all the classifications of weeds above, a “**noxious**” weed is the most straightforward because it’s a legal term (7 U.S.C. 7702(10)) defined in the Plant Protection Act (Public Law 106-224). The term ‘noxious weed’ means any plant or plant product that can directly or indirectly injure or cause damage to crops (including nursery stock or plant products), livestock, poultry, or other interests of agriculture, irrigation, navigation, the natural resources of the United States, the public health, or the environment. In other words, a **noxious weed** is any plant designated by a Federal, State or county government as injurious to public health, agriculture, recreation,

wildlife or property. There is a well defined federal process for both listing and delisting plants as federal noxious weeds that is conducted through USDA APHIS. For more info see: [http://www.aphis.usda.gov/plant\\_health/plant\\_pest\\_info/weeds/index.shtml](http://www.aphis.usda.gov/plant_health/plant_pest_info/weeds/index.shtml)

The word “**invasive**” is at the forefront of this discussion. What is an invasive weed or invasive plant? There is no mention of “invasive” or “exotic” or “alien” in the Plant Protection Act. Yet, the term invasive weed is increasingly popular in new federal legislation being introduced in the House and Senate (see below). The WSSA will be issuing a new journal during the first quarter of 2008 titled “Invasive Plant Science and Management.” The WSSA is also a major stakeholder in conducting the National Invasive Weeds Awareness Week (NIWAW). Certainly, people seem to “get” the invasive species message because the “message” has been out there much longer thanks to our fellow pest control colleagues working in entomology and plant pathology. Mission statement #2 above is a much easier to convey when I talk to people in Washington, DC about “invasive plants” vs. “weeds.”

In the 2002 National Research Council report titled “Predicting Invasions of Nonindigenous Plants and Plant Pests” (<http://www.nap.edu/catalog/10259.html>), a biological **invasion** is defined as a phenomenon in which a nonindigenous species arrives in a new range in which it establishes, proliferates, spreads, and causes broadly-defined detrimental consequences in the environment.

Executive Order 13112, signed by President Clinton in 1999, defines an **invasive species** as “an alien species whose introduction does or is likely to cause economic or environmental harm or harm to human health.”

The Invasive Species Advisory Committee (ISAC) to the National Invasive Species Council (NISC) issued an excellent white paper on invasive species definition clarifications last year. This paper can be found at: [http://www.invasivespeciesinfo.gov/docs/council/isac\\_def.pdf](http://www.invasivespeciesinfo.gov/docs/council/isac_def.pdf)

The ISAC definitions white paper was intended to provide a non-regulatory policy interpretation of the term **invasive species** by identifying **what is meant**, and just as important, **what is not meant** by the term. Some of the key conclusions of this paper are:

- 1) Invasive species are those that are not native to the ecosystem under consideration and that cause or are likely to cause economic or environmental harm or harm to human, animal, or plant health.
- 2) Plant and animal species under domestication or cultivation and under human control are **not** invasive species.
- 3) Furthermore for policy purposes, to be considered invasive, the negative impacts caused by a non-native species will be **deemed to outweigh** the beneficial effects it provides.

This leads me to my last point, or rather question: Do the National and Regional Weed Science Societies need to adopt a standard definition or criteria for an “invasive plant”?

- 1) Are all weeds invasive plants?
- 2) Are all invasive plants weeds?
- 3) Are all noxious weeds invasive plants?

As I mentioned at the beginning of this article, there can be confusion associated with all the various terms used to describe a weed. What is most troubling is that many people in our discipline would have no trouble stating a definitive “yes or no” answer to the above three questions, yet the general public is exposed to

CONTINUED on pg 11 ➤➤

## WASHINGTON REPORT CONTINUED from pg 10

many different definitions and classifications. For example, you can go to the USDA Natural Resource Conservation Service (NRCS) Plants Database (<http://plants.usda.gov/index.html>) and look up "Invasive and Noxious Weeds" (<http://plants.usda.gov/java/noxiousDriver>).

As you scroll down the "Invasive and Noxious Weeds" page and start searching for different weeds, you also find that crops like corn, soybeans, cotton, rice, wheat, and alfalfa are listed with the description "This plant can be **weedy** or **invasive** according to the authoritative sources noted below." Can a **volunteer crop** be **weedy**? Can a **volunteer crop** be **invasive**?

Whether or not a species is considered an invasive species depends largely on human values. Do the National and Regional Weed Science Societies need to make a distinction between an "invasive plant" and a "weed"? That is for you to decide.

### HOUSE ACTION ON THE 2007 FARM BILL

During the week of May 21–25, the House Agriculture Subcommittee on Conservation, Credit, Energy & Research passed legislation on to the full House Agriculture Committee regarding its jurisdiction in the 2007 Farm Bill. This was the first action in either the House or Senate. In February at the WSSA annual meeting, the WSSA was very fortunate to have Dr. Gale Buchanan, USDA Under Secretary for Research, Education, and Economics present the Administrations proposal for the 2007 Farm Bill.

The House Agriculture Committee 2007 Farm Bill draft language can be found at: <http://agriculture.house.gov/inside/2007FarmBill.html> This site provides a breakdown by each subcommittee of the different Farm Bill Titles as they become available.

**The Research Title** is a potpourri of the various proposals (The Administration, CREATE-21 and NIFA) that have been introduced up to this point. The bad news is that there is no

mention of doubling agricultural research funding. This was a primary goal of the CREATE-21 and NIFA proposals. However, the good news is that the House version of the Farm Bill proposal adopted the Administration's proposal that includes \$50 million per year for the agricultural bioenergy and biobased products research initiative and \$100 million per year for the specialty crops research initiative. Unlike the Administration's or the CREATE-21 proposal, there would be no merger of the Research Education and Economics Agencies (CSREES, ARS, ERS or FS R&D) in the House Farm Bill proposal.

The National Agricultural Research, Extension, Education, and Economics (NAREEE) Advisory Board would be retained as the principal vehicle for stakeholder input, while also adding the Agricultural Research Institute concept being championed in the CREATE-21 proposal. In the House Farm Bill proposal, the Agricultural Research Institute will coordinate the programs and activities of the research agencies through the following six institutes:

- 1) Renewable energy, resources, and environment
- 2) Food safety, nutrition, and health
- 3) Plant health and production
- 4) Animal health and production
- 5) Agriculture systems and technology
- 6) Agriculture economics and rural communities

Each research institute will have a Director appointed by the Under Secretary, and will formulate programs, develop strategic planning and priorities for department-wide research, education, extension and related activities. The Under Secretary, along with the Directors and in consultation with the NAREEE Advisory Board, will direct research, education, extension, and related programs for relevant departmental agencies, and ensure that strategies and funds are coordinated throughout.

Finally, the a National Institute of Food and Agriculture (NIFA) would be established, but only under CSREES, to administer **all** competitive grants including the National

Research Initiative (NRI), which is re-authorized at \$500 million per year.

In the **Conservation Title** released by the House Agriculture Committee a couple of brief **invasive species** highlights include:

- a provision that would allow a producer to conduct prescribed grazing for the control of **invasive species** on Conservation Reserve Program (CRP) lands.
- Amending the Environmental Quality Incentives Program (EQIP) to include the promotion of forest management and energy conservation. Forest management practices are defined as activities that may be needed to improve water quality, increase in-stream flows, restore forest biodiversity, or control **invasive species**.

### "NOXIOUS WEED" AND "INVASIVE PLANT" RELATED LEGISLATION IN THE 110TH CONGRESS

There is much political posturing occurring and legislation being introduced that includes various aspects of noxious weed and invasive species provisions related to the 2007 Farm Bill debate. Below is a brief list of some noteworthy legislation:

- S. 1160 – Specialty Crops Competition Act of 2007 introduced by Sen. Debbie Stabenow (MI) on April 19 with 18 co-sponsors.
  - establishes an invasive pest threat identification and mitigation program (including **noxious weeds**) authorized at \$40 million per year
  - carries out an integrated pest management initiative
  - amends the Homeland Security Act of 2002 to restore import and entry agricultural inspection functions to the Department of Agriculture. Establishes the international agricultural inspection program within the Animal and Plant Health Inspection Service (APHIS)
- S. 1242 – A bill to amend the Federal Crop Insurance Act and 2002 Farm Bill to establish a biofuel pilot program to offer crop insurance to producers of experimental

CONTINUED on pg 12 ➤➤

## WASHINGTON REPORT CONTINUED from pg 11

biofuel crops. Introduced by Sen. Jon Tester (MT) on April 26.

- Defines the term and conditions for an “**experimental biofuel crop**” to include a determination by USDA demonstrating that there are sufficient safeguards to prevent the spread of the **crop** as a **noxious weed**
- H.R. 1600 – Equitable Agriculture Today for a Healthy America Act introduced by Rep. Dennis Cardoza (CA) on March 20 and now has 115 co-sponsors.
  - Includes many similar provisions as in S. 1160 above as well as a section titled “**Invasive Pests and Diseases**.”
  - Authorizes \$50 million per year for an “Early Pest Detection and Surveillance Improvement Program.” However, they define “pest” according to the legal definition given “**plant pest**” in the Plant Protection Act (7 U.S.C. 7702(14)) – just a few lines of text below the definition for “**noxious weed**”. For the record, the legal term ‘**plant pest**’ means any living stage of any of the following that can directly or indirectly injure, cause damage to, or cause disease in any plant or plant product: (A) A protozoan; (B) A nonhuman animal; (C) A parasitic plant; (D) A bacterium; (E) A fungus; (F) A virus or viroid; (G) An infectious agent or other pathogen; (H) Any article similar to or allied with any of the articles specified in the preceding subparagraphs.
- H.R. 620 - Rep. Olver (MA), S. 280 – Sen. Lieberman (CT), and S. 317 – Sen. Feinstein (CA) – Three related bills with a goal to reduce greenhouse gas emissions in the U.S. by establishing a market-driven system of greenhouse gas tradeable allowances.
  - Sen. Feinstein’s bill, S. 317, is more specific than the other two bills and would amend the Clean Air Act to establish a program to regulate the emission of greenhouse gases from electric utilities.
  - Most notably, Sen. Feinstein’s bill

is the only one to mention **invasive species** and noxious weeds.

**Invasive species** in S. 317 is defined as a species (including pathogens, seeds, spores, or any other biological material relating to a species) introduction of which causes or is likely to cause economic or environmental harm or harm to human health.

- In Sen. Feinstein’s bill, greenhouse gas reductions projects from agricultural, forestry, wetlands, and other land use-related sequestration projects may only receive offset credits if **native plant** materials are given primary consideration and Federal- or State-designated **noxious weeds** or use of a species listed by a regional or **State invasive plant councils** within the applicable region or State are prohibited.
- S. 725 – National **Aquatic Invasive Species** Act of 2007 introduced by Sen. Carl Levin (MI) on March 1. This bill would amend the Nonindigenous Aquatic Nuisance Prevention and Control Act of 1990 to establish aquatic invasive species reduction and prevention requirements for vessels (including towed vessels and structures) operating in U.S. waters.
  - Definitions (in relation to this bill): “**Invasion**” is defined an infestation of an aquatic invasive species; “**Invasive Species**” is defined as a nonindigenous species the introduction of which into an ecosystem may cause harm to the economy, environment, human health, recreation, or public welfare; “**nonindigenous species**” is defined as any species in an ecosystem the range of which exceeds the historic range of the species in that ecosystem.
  - Some of the main priorities listed in S. 725 include: Requires the National Invasive Species Council (NISC) to establish a federal rapid response team for each of the ten federal regions; Directs the Aquatic Nuisance Species Task Force (ANSTF) to establish a priority pathway management program that identifies those pathways that pose the highest

risk for the introduction of aquatic invasive species; and requires the National Science Foundation (NSF) to establish a grant program for researchers at institutions of higher education and museums to carry out research in systematics and taxonomy.

- The bill would cost about \$150 million per year if the authorized funding was fully appropriated.

## \$425 MILLION FOR SECURE RURAL SCHOOLS AND COMMUNITY SELF-DETERMINATION ACT

The Secure Rural Schools and Community Self-Determination Act (P.L. 106-393), signed into law in 2000, provides an alternative source of funding for schools and other purposes in counties that were once dependent on timber sales from federal lands. At the time the law was passed, it was estimated to provide assistance to 700 counties in 39 states. The Act also provides funding for (A) road, trail, and infrastructure maintenance or obliteration; (B) soil productivity improvement; (C) improvements in forest ecosystem health; (D) watershed restoration and maintenance; (E) restoration, maintenance and improvement of wildlife and fish habitat; (F) control of **noxious and exotic weeds**; and (G) re-establishment of native species.

The \$425 million provides a one-year extension of the Secure Rural Schools Act and gives Congress time to find a long-term solution for counties with a high percentage of national forests or federal land. The \$425 million appropriation was part of the much larger Emergency War Funding bill (\$120 billion) that was wrangled over during much of May by the House, Senate and President. Also included in that bill (P.L. 110-28) was \$3 billion for agriculture disaster relief and \$465 million for wildfire suppression.

## FY2008 APPROPRIATION BILLS

On May 23, the House Appropriations Subcommittee for Interior-

CONTINUED on pg 13 >>

## WASHINGTON REPORT CONTINUED from pg 12

Environment approved a \$27.6 billion fiscal 2008 spending bill for the Interior Department, EPA and a number of related agencies. This is the first step (of many) for the appropriations bills in which most seem likely that they will end up in another Omnibus Appropriation for FY2008.

The Interior-Environment Subcommittee's bill would increase overall discretionary funding by 4.5 percent over fiscal 2007 and by more than 7 percent over what President Bush has proposed. The appropriators billed the measure as the first step in reversing a long decline in environmental and American Indian health programs.

Chairman Norm Dicks (WA) said the bill would provide much-needed increases in funding for national parks and wildlife refuges as well as new money to address the impact of global warming on public lands.

The bill would provide \$10.2 billion for the Interior Department, \$262 million more than current levels, as well as \$8.1 billion for the EPA, \$361 million above current levels. The USDA Forest Service would receive \$2.6 billion, an increase of \$102 million and the U.S. Geological Survey would get a \$50 million increase over the \$983 million appropriated in FY 2007.

### MIKE OWEN ATTENDS CoFARM/BESC CONGRESSIONAL VISITS DAY IN DC

On April 18-19, Dr. Micheal Owen from Iowa State represented the WSSA at the Coalition on Funding Agricultural Research Missions (CoFARM) and Biological and Ecological Sciences Coalition (BESC) Congressional Visits Day (CVD) in Washington D.C. Since 2003, CoFARM and BESC have teamed up to organize a Spring event on Capitol Hill that plays a critical role in the annual federal funding process for USDA and NSF research programs. The theme was "Agricultural and Biological Sciences: Today's Research = Tomorrow's Benefits." To view a

copy of the talking points or "one pager", please visit:

<http://www.esa.org/besc/activities/files/BESCCoFARM%20Leave%20Behind.pdf>

During the first day, Kei Koizumi, Budget Analyst at AAAS; Jim Collins, Asst. Director for Biology at NSF; Anna Palmisano, Deputy Administrator for USDA Competitive Programs and others briefed us on the 2008 federal budget for agricultural and biological research funding. The highlight of the day was a reception at the U.S. Capitol honoring the support and contributions of Senator Tom Harkin (IA), Chairman of the Senate Agriculture Committee, and Senator Kit Bond (MO), member of the Senate Agriculture Appropriations Committee. Both Senators have been very supportive of agricultural research in particular and are co-sponsors for S. 971, the National Institute of Food and Agriculture (NIFA) Act of 2007. Over the period of five years (2008-12), S. 971 would authorize the appropriation of \$3.4 billion in new agricultural research grants and multidisciplinary projects under NIFA.



WSSA member Mike Owen from Iowa State discusses agricultural research funding with Sen. Tom Harkin (IA), Chairman of the Senate Agriculture Committee, at a Congressional Reception at the U. S. Capitol hosted in part by the Coalition on Funding Agricultural Research Missions (CoFARM).

On April 19, Mike and I began our day with a CoFARM sponsored breakfast in the Secretary's Dining Room at the USDA Whitten Building. We visited with a number of senior officials in the USDA Research Education and Economics mission area including Deputy Under Secretary Dr. Merle Pierson; Dr. Ed Knipling, ARS Administrator; and Dr. Colien Hefferan, CSREES Administrator.

Following breakfast, we headed to Capitol Hill to begin our six Congressional Visits. There were five of us in the "Iowa-Wisconsin team" representing scientific societies associated with CoFARM and BESC. We met with staff members from Sen. Harkin and Sen. Grassley's office from Iowa along with Rep. Latham (IA) whose district includes Iowa State University. On the Wisconsin side, we met with staffers from both Sen. Kohl and Sen. Feingold's offices as well Rep. Tammy Baldwin who represents the University of Wisconsin-Madison area.



WSSA members Lee Van Wychen and Mike Owen pause for a photo op with Sen. Herb Kohl (WI), Chairman of the Senate Agriculture Appropriations Subcommittee, along with other participants from the CoFARM-BESC Congressional Visits Day. (Front row, l to r) Sara Evans (ASA-CSSA-SSSA); Sen. Herb Kohl; Sarah Wright (AIBS). (Back row, l to r) Lee Van Wychen (WSSA), Mike Owen (WSSA), Maynard Hogberg (FASS)

Overall, the CoFARM/BESC Congressional Visits Day was a big success. Our Iowa-Wisconsin group was able to meet with both the Chairman of the Senate Agriculture Committee and the Chairman of the Senate Agriculture Appropriations Committee and their staff. In addition to agriculture funding issues, Mike and I also discussed the issues surrounding "Biofuels and **Invasive Plant Species**" and left a copy of the WSSA white paper in each office we visited. This paper can be found on the WSSA website.

### WSSA PRESIDENT SCHROEDER PRESENTS 'HOT' SEMINAR AT USDA

On May 14, Dr. Jill Schroeder from New Mexico State University was in Washington, DC to present a guest

CONTINUED on pg 14 >>

## WASHINGTON REPORT CONTINUED from pg 13

seminar titled "Chile Pepper: Hot Topic or Model Crop?" (Note: Chile is spelt 'Chile' and not 'Chili' when talking about the pepper!) The seminar was at the USDA Waterfront Center, which is home to most of the CSREES staff, and was well attended. The abstract of her presentation read as follows:

*"One of the goals of the 2007 USDA Farm Bill proposal for research is to increase funding for specialty crops with the intent of improving production through a number of means. Dr. Schroeder has had the pleasure and frustration of working in a minor, specialty crop in New Mexico – the chile pepper – for a number of years. Her presentation will introduce you to this crop that is important to the culture as well as the economy of New Mexico; the state question is "Red or Green?" New Mexico producers are primarily independent growers and farms are small and located where water is available for irrigation. Economic sustainability is critical to ensure the viability of the industry and to keep chile pepper production in the state and country. Weed management challenges in chile pepper production impact or are impacted by a large number of issues including labor costs and availability, mechanical thinning and harvest, water availability and management, development of transgenic crops, and management of other soilborne pests. Even though chile pepper is an intensively managed, high value crop, New Mexico producers have never used methyl bromide for soilborne pest management due to economic constraints. Are New Mexico growers the canary in the mine illustrating problems that producers in the major specialty crop growing areas are about to face, and if so, does this make Chile Pepper a model crop?"*

I think everyone enjoyed Dr. Schroeder's seminar and learned a lot about "Chile" peppers. The crop-weed-nematode interaction was quite intriguing and stimulated some very good discussion following the seminar. The other part of the talk everyone liked was the fact that Jill brought fresh New Mexico salsa with her on the trip, not just as a prop, but for everyone there to enjoy. The Red

Chile salsa was definitely HOT. Many thanks also to CSREES National Program Leader Rick Meyer for his help in organizing and reserving space at CSREES.

### WSSA MEMBERS ORGANIZE 2nd GLYPHOSATE STEWARDSHIP FORUM IN ST. LOUIS

On March 20–21, a broad array of stakeholders from University Weed Scientists, Commodity Groups, Industry Representatives, Farmers, and Federal Policy and Regulatory Officials attended the 2nd National Glyphosate Stewardship Forum (NGSF) in St. Louis, Missouri. I would like commend the principal coordinators, Mike Owen from Iowa State and Chris Boerboom from the University of Wisconsin for their time and effort in organizing this event. Other WSSA members who actively participated in this forum include: Christy Sprague – Michigan State; Bill Johnson – Purdue; Stanley Culpepper – Georgia; Alan York and John Wilcut – North Carolina State; Larry Steckel – Tennessee; Andrew Kniss – Wyoming; Harold Coble – USDA; Bill Chism – EPA; Janis McFarland and Chuck Foresman – Syngenta; Jennifer Ralston – Monsanto; Raymond Forney – DuPont; Mike DeFelice – Pioneer Hi-Bred; and Bob Nichols – Cotton Incorporated. I have undoubtedly missed some WSSA members, so I send my apologies in advance.

The first NGSF was conducted in St. Louis in November 2004 and was organized as a result of discussions among several university weed scientists about the potential evolution of glyphosate-resistant weeds and the management challenges they may pose for growers. This group of weed scientists included: Mike Owen, Iowa State; Chris Boerboom, Wisconsin; Stanley Culpepper, Georgia; Mark Loux, Ohio State; Tom Mueller, Tennessee; David Shaw, Mississippi State; Christy Sprague, Michigan State; and John Wilcut, North Carolina State. A summary of presentations and stakeholder comments from the 1st NGSF can be found at: <http://www.weeds.iastate.edu/weednews/2006/NGSF%20final%20report.pdf>

The executive summary and stakeholder discussion comments from the 2<sup>nd</sup> NGSF are forthcoming. Some personal observations from 2<sup>nd</sup> NGSF include:

- 1) Any glyphosate stewardship program should be voluntary and not mandated by regulatory action.
- 2) A consistent glyphosate stewardship message needs to be adopted by all stakeholders for managing the potential evolution of glyphosate-resistant weeds.
- 3) Financial incentives should be provided to crop consultants and herbicide retailers for disseminating a consistent herbicide stewardship message to end-users.

On a separate, but related event, Dr. Stephen Powles from Australia presented a talk at the U.S. EPA on April 4 in Washington, DC following the American Chemical Society meeting in Chicago. Thanks to Rick Keigwin, Director of BEAD at EPA for helping to organize the seminar. The topic for Dr. Powles talk was evolved glyphosate resistant weeds around the world. Dr. Powles felt that the current status of glyphosate stewardship was "lamentable" and that much more could be done prevent further weed resistance because glyphosate is "1 in a 100 year herbicide discovery." A particular point he emphasized was not to cut glyphosate application rates.

Herbicide stewardship and resistance management is not a new concept to the WSSA. However, with glyphosate now being applied on over 110 million acres across the U.S., the National and Regional Weed Science Societies need to be provide consistent, science-based glyphosate stewardship information to the public and policy makers.

### NIWAW 9 SCHEDULED FOR FEBRUARY 24–29, 2008 IN DC

Planning for the 9th Annual National Invasive Weed Awareness Week (NIWAW 9) is underway in Washington, DC. Dr. Nelroy Jackson will be leading the Invasive Weed Awareness Coalition (IWAC) to help plan and coordinate the week long

CONTINUED on pg 15 >>

# Western Society of Weed Science 60th Annual Conference

March 13–15, 2007

Hilton Portland and Executive Tower Hotel  
Portland, Oregon

The 60th annual meeting of the Western Society of Weed Science was held in Portland, Oregon at the Hilton Portland and Executive Tower Hotel on March 13–15, 2007. The meeting, which was attended by 388 members and guests, featured 60 research posters presented in two sessions and 90 scientific presentations in 11 sessions. Graduate and undergraduate students combined to present 15 posters and 14 oral papers during the meeting. Two special symposia on herbicide application technology and biology and management of Japanese knotweed as well as informal roundtable sessions fostered debate and discussion of important weed science topics.

Each year, awards are presented for outstanding contributions to the Society and to the discipline of weed science. Phil Stahlman from Kansas State University and Bill Cobb from Cobb Consulting Services were named as WSWS Fellows and Rod Lym of North Dakota State University and John Fenderson from Monsanto were named as Outstanding Weed Scientists this year. The Professional Staff award was given to Carl Libbey from Washington State University and the Outstanding Weed Manager was Jim Freeman from Cascade County, Montana. Rob Hedberg from USDA, CSREES was named as Honorary Member and the WSWS Presidential Award of Merit went to Tim Miller of Washington State University. Additionally, seven student presentations were recognized for demonstrating excellence in basic and applied research. At the conclusion of the Society's business meeting, outgoing president Kassim Al-Khatib of Kansas State University passed the ceremonial hoe to the incoming president Ron Crockett of Monsanto. Pictures of award recipients, fellows, graduate student contest winners, and the WSWS board of directors can be viewed at the website: <http://www.wsweedscience.org/meeting/photos.asp>

The next 61st Annual Meeting of the Western Society of Weed Science will be held in Anaheim, CA during March 11–13, 2008 at the Hyatt Regency Orange County. Contact Phil Banks, WSWS Business Manager, at 505-527-1888 or visit the WSWS website at: <http://www.wsweedscience.org/> for more information.

## WASHINGTON REPORT CONTINUED from pg 14

activities. The WSSA has once again received a \$15,000 Pulling Together Initiative grant from the National Fish and Wildlife Federation in April to help organize NIWAW 9. The slogan for NIWAW 9 is "*Weeds won't wait: Don't hesitate.*" The six **invasive weeds** that will be featured on this year's poster are:

Yellow starthistle  
Cheatgrass  
Beach vitex  
Japanese stiltgrass  
Russian olive  
Giant salvinia

In sticking with the theme of this science policy report, it is interesting to note that only 1 of 6 of the aforementioned NIWAW 9 poster weeds are a federally listed **noxious weed**. Yet all 6 weeds are listed as a **noxious weed** in at least one or more states.

Does everyone in the National and Regional Weed Science Societies consider these 6 weeds to be **invasive**?

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Prepared by Arnold P. Appleby • April, 2007

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# NECROLOGY

## WILLIAM R. FURTICK

William R. Furtick, 80, died on May 16, 2007, after a lengthy illness. He was born in Salina, Kansas, on January 8, 1927, graduated from Kansas State University in 1949, and received the M.S. and Ph.D. degrees from Oregon State University in 1952 and 1958.



He was professor of weed science at Oregon State until about 1972. In the late 1960s, he conceived of, established, and became director of the International Plant Protection Center at Oregon State University. In late 1971, he left OSU to join the United Nations in setting up an Agricultural Research Center in Taiwan. He then became director of the Plant Protection Division of the Food and Agriculture Organization of the United Nations in Rome. He became Dean of Agriculture at the University of Hawaii, then moved to USAID in Washington, D.C., where he served as Agency Director for Food and Agriculture in the Bureau for Science and Technology. He lived in and developed programs in Cairo, Egypt; Amman, Jordan; and Tblisi, Georgia. During his career, he worked in or visited all but five countries in the world.

While at Oregon State, he was President and Fellow of both the Weed Science Society of America and the Western Society of Weed Science. He was guest of honor at the eighth annual British Weed Control Conference in Brighton, England; and gave the invitational address in the National Research Council, National Academy of Science. The Association of Western Agricultural Experiment Directors awarded the title of Director Emeritus to him in recognition of his leadership, dedication, and outstanding service to agricultural research in the Western Region and the United States.

One of his favorite activities was the training of graduate students, at which he excelled. His continual optimism and exuberance kept his group excited and eager to explore new developments in the weed science field. He was energetic, innovative, and ambitious to develop new programs. A common comment within his group was, "Bill has more ideas before breakfast than anyone else has in a year." He was most active in weed control in the 1950s and 1960s when many crops lacked satisfactory methods of selective weed control. He was a master at evaluating one set of field trials and using those observations to design new approaches with other crops and weeds. This resulted in many new practices in Oregon's multitude of crops.

Bill was a "mover and shaker" in the weed control field. He made things happen wherever he was located. His enthusiasm and ideas will be missed.





# NECROLOGY

## W. ORVID LEE

W. Orvid Lee was born in Brigham City, Utah, on July 2, 1927, and passed away at his home in Corvallis, Oregon, on April 2, 2007, at age 79. He received the B.S. degree in 1950 and the M.S. degree in 1954 from Utah State University. He joined USDA-ARS as a research agronomist during that time and worked with F. L. Timmons at Utah State. Both he and Timmons transferred to the University of Wyoming and continued research on a variety of weed situations, including control of dodder, perennial weeds, and aquatic weeds.



In 1956, Orvid was appointed to head up a new USDA project in Corvallis, Oregon, for controlling weeds in grass and legume seed crops. He spent the remainder of his professional career at Corvallis until his retirement in 1984. He completed the Ph.D. degree from Oregon State University under Bill Furtick in 1965.

Orvid's work led to the introduction or refinement of most of the weed control methods in seed crops in the Pacific Northwest. This included, for example, diuron for perennial grasses and red clover, atrazine and simazine for perennial grasses, pronamide for legumes, ethofumesate for ryegrass, and many more. He developed two major procedures for the establishment of grass-seed crops that are still widely used today. One was the refinement of the use of paraquat or glyphosate in chemical seedbed preparation. The other was the application of a carbon band at seeding to allow application of diuron for selective weed control.

Orvid was highly respected and revered by the seed growers of the Pacific Northwest, and widely admired by fellow professionals. Growers recognized and appreciated that his work made possible the production of high-quality seed, making the Pacific Northwest one of the leading seed-producing areas of the world. He was a quiet and humble man, a productive scientist who had a significant impact on the agriculture of the area.



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# POSITION ANNOUNCEMENTS

## ASSISTANT PROFESSOR EXTENSION AGRONOMIST SUGARBEET, WEED SCIENCE

Full time, 12-month tenure track state-funded position at the assistant professor level. This is a joint position funded by the University of Minnesota and North Dakota State University.

The 80% extension/20% research appointment is located in the Department of Plant Sciences at North Dakota State University (NDSU) in Fargo. Although the research appointment is only 20%, an extensive research program is in place and is expected to be continued. Funding is available through a granting process from the Sugarbeet Research and Education Board of North Dakota and Minnesota which administers annual checkoff funds from sugarbeet growers.

Travel off-campus is required to conduct research and to carry out an outreach educational program. Office and lab space are provided.

This position includes, but is not limited to, the following responsibilities:

- provide leadership in planning, developing, and conducting educational and research programs in sugarbeet weed control and cropping systems;
- prepare background information and teaching materials for county agricultural extension agents, area specialists and industry agronomists for the development and implementation of agronomic phases of the total educational program designed to help producers and others improve sugarbeet profitability;
- provide in-service agronomic training for county agricultural extension agents, area specialists and industry agronomists;
- maintain close working relationship with NDSU Plant Sciences and College of Agriculture, Food Systems and Natural Resources faculty, the Sugarbeet Research and Education Board and the sugarbeet industry;
- prepare circulars, bulletins, newsletters, and other educational materials in furtherance of the overall educational extension program in agronomy;

- utilize educational media such as radio, television, websites, newspapers, electronic delivery, telephone and teleconferences;
- coordinate educational activities with members of research and extension faculty in a mixture of sugarbeet related disciplines; and
- advise graduate students.

Required qualifications are an earned Ph.D. in weed science or crop science; broad knowledge in crop production, and weed control; demonstrated ability to work effectively with university faculty, extension staff, producer groups and the public; ability to apply research results and provide recommendations and guidelines for producers; effective communication skills in writing and speaking; demonstrated skills in computer applications and technology; valid U. S. drivers license or equivalent.

Preferred qualifications are farm background or relevant farming experience; prior extension experience, experience with sugarbeet, university research or teaching experience or equivalent experience in industry.

Academic rank and salary are commensurate with qualifications, training, and experience.

Send letter of application, detailed resume, official academic transcripts, and arrange to have three current letters of reference sent to:

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Chair of Search Committee  
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Fargo, ND 58105-5051  
Ph 701-231-8157  
FAX 701-231-8474  
Email: r.zollinger@ndsu.edu

Closing date is August 31, 2007 or until a suitable candidate is employed.

NDSU is an equal opportunity institution.



## NPDN Proceedings Posted

The Proceedings <<http://www.plantmanagementnetwork.org/proceedings/npdn/2007/>> of the 2007 Meeting of the National Plant Diagnostic Network (NPDN) is now available.

NPDN was established by the USDA Cooperative State Research, Education, and Extension Service (CSREES) as the first line of defense in protecting the U.S. economy from thousands of potentially invasive pests and pathogens. NPDN facilitates the rapid detection and accurate diagnosis of plant pathogens and pests introduced to the United States as a consequence of global trade, natural weather occurrences, or intentional introductions.

Published by the Plant Management Network, [www.plantmanagementnetwork.org](http://www.plantmanagementnetwork.org), the proceedings includes PowerPoint presentations, posters, event photographs, and session notes from a meeting held January 28–31, 2007.

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# CALENDAR OF UPCOMING EVENTS

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DATE	EVENT	LOCATION	CONTACT
July 9-13, 2007	Information Agriculture Conference (InfoAg 2007)	Springfield, Illinois	<a href="http://www.infoag.org">www.infoag.org</a>
September 17-21, 2007	9th International Conference on the Ecology and Management of Alien Plant Invasions Weed Science Society of Western Australia	Perth, Australia	
December 10-13, 2007	NCWSS Annual Meeting	St. Louis, Missouri	<a href="http://www.ncwss.org/">http://www.ncwss.org/</a>
January 7-10, 2008	NEWSS Annual Meeting	Sheraton Society Hill Philadelphia, Pennsylvania	<a href="http://www.newss.org">www.newss.org</a> <a href="http://www.newss.org/">http://www.newss.org/</a>
January 28-30, 2008	SWSS Annual Meeting	Hyatt Regency Jacksonville, Florida	<a href="http://www.swss.ws">www.swss.ws</a>
February 4-7, 2008	WSSA Annual Meeting	Chicago, Illinois	<a href="http://www.wssa.net/">www.wssa.net/</a>
June 23-27, 2008	International Weed Science Congress 5th International Congress 2008	Vancouver, Canada	<a href="http://iws.ucdavis.edu/5intlweedcong.htm">http://iws.ucdavis.edu/5intlweedcong.htm</a> Albert J. Fischer IWSS Secretary-Treasurer Dept. of Plant Sciences Mail Stop 4 University of California One Shields Ave. Davis, CA 95616-8780 Tel: 530-752-7386 Fax: 530-752-4606 <a href="mailto:ajfischer@ucdavis.edu">ajfischer@ucdavis.edu</a> <a href="http://iws.ucdavis.edu/">http://iws.ucdavis.edu/</a>
December 8-11, 2008	NCWSS Annual Meeting	Indianapolis, Indiana	<a href="http://www.ncwss.org/">http://www.ncwss.org/</a>