

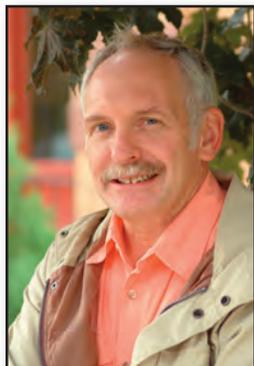


WSSA

WEED SCIENCE SOCIETY OF AMERICA

Volume 40, No. 3
July, 2012

Newsletter



PRESIDENT'S MESSAGE

WSSA society business has continued to keep the board and me busy with plenty of issues to discuss and action items to plan. The biggest event of the spring was the National Research Council's "National Summit on Strategies to Manage Herbicide-Resistant Weeds" which was held in Washington, D.C. on May 10th. The organizing committee had significant WSSA representation

and the event was sponsored by WSSA and several other organizations. Because of commitments on campus I was not able to attend, but many WSSA members did and by all reports this meeting was a great success. I asked David Shaw who was the chair of the organizing committee to review the meeting and his report is elsewhere in this newsletter.

I was very pleased when former WSSA President Dale Shaner agreed to chair the Herbicide Handbook Committee and prepare the 10th edition of this very important publication. He has already formed a committee to help in this task. This book is an important source of information for our members and non-members and it also provides funding for other WSSA endeavours. Since inception, the Herbicide Handbook has always been made available in printed format. However, in this digital age, Anne Légère is chairing a committee to evaluate the best way for the new edition to be distributed. Should WSSA continue the hard copy version, start an e-delivery system and/or an app version for smart phones? This will be a major topic for discussion at the WSSA summer board meeting in August.

Jim Kells and Dwight Ligenfelter are well on their way in planning the joint 2013 meeting between WSSA and the Northeastern Weed Science Society in Baltimore next February. The meeting will be a blend of traditional WSSA format and social events with traditions from the NEWSS such as an evening social with ice cream. That has to be good.

An item of great importance to our membership is where will the future meet-

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CALL FOR PAPERS 2013 GUIDELINES

(details inside on pages 4-6)

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ings be held? After the 2014 meeting in Vancouver, the WSSA-Hilton contracts are completed and it does not look like we will continue to meet in just Hilton hotels as other hotel groups have at least initially given us better offers. While it is not yet decided exactly where we will meet, we do know the regions. The WSSA annual meeting will be held in a north central city in 2015, in the south in 2016, and in the southwest in 2017. The board is discussing options and comparing initial hotel bids now and will narrow down the choices for Kate Counter and Joyce Lancaster to conduct site visits.

One of the most important committees we have is the education committee, which currently does not have someone willing to be chair. This committee has the potential to be very active for the Society with helping spread the word about the importance of our science to agriculture and to society in general. Although several have been asked, to date no one has agreed to become chair. If you know of someone that would be a good champion for this committee and willing to serve as chair, please let me know.

The board is currently busy discussing the financial situation of our society, the need for follow-up to take advantage of the momentum gained from the resistance summit, and the contract renewals for society management, meeting services, and publications with Allen Press. These items along with the traditional business and issues in Washington, D.C. which are covered by Lee VanWychen and Jill Schroeder, you can be sure we are all keeping busy representing your interests in WSSA.

Rod Lym
President, WSSA

WSSA FUTURE MEETING SITES AND DATES

2013

**Baltimore, Maryland
February, 2013**

**Joint meeting of WSSA and
Northeastern Weed Science
Society**

**Jim Kells, 2013 Program Chair
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2014

**Vancouver, Canada
February, 2014**

**Joint meeting of WSSA and
Canadian Weed Science Society**

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THINK NEWSLETTER

**Deadline for Sept. issue
August 1, 2012**

WSSA NEWSLETTER

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A NATIONAL SUMMIT ON STRATEGIES TO MANAGE HERBICIDE-RESISTANT WEEDS

Preserving the efficacy of herbicides, and of herbicide-resistance technology, depends upon awareness of the problem and coordinated action to address the problem by individuals at the farm level and beyond. On May 10, 2012, WSSA and the National Research Council hosted a Summit to bring awareness of the issue to important stakeholders and an opportunity for experts from diverse disciplines to strategize in a coordinated way to address HR weeds. In convening stakeholders for this event, participants were able to review the recommendations from the recently published WSSA report to USDA/APHIS on herbicide resistance management, and a 2010 NRC report on herbicide-resistant crops. Federal and state government agencies, private-sector technology developers, universities, farmer organizations, and other relevant stakeholders were called to proactively address emerging weed-resistance problems and develop cost-effective resistance-management programs and practices that preserve effective weed control. The summit provided the opportunity for stakeholders to explore the scientific basis of the emergence of herbicide resistance and to consider different perspectives on both opportunities and barriers to overcoming the problem of herbicide-resistant weeds. Over 250 were in attendance, with a broad cross-section of press, agencies, growers, industry, academia, and the general public.

The morning session focused on establishing the severity of the herbicide resistance problem, and understanding the biological basis for development of resistance. In addition, the best management practices (BMPs) and recommendations from the WSSA report were delineated. This set the stage for the afternoon sessions, which explored the impediments to implementation of these BMPs, and the approaches that were most likely to overcome



DR. DAVID SHAW
Vice President for Research
and Economic Development
Mississippi State University



DR. MICHAEL WALSH
Associate Professor
Australian Herbicide
Resistance Initiative

resistance development. The afternoon sessions had exceptional panels that fostered a great deal of discussion from the audience.

Complete information on the Summit, including presentation files and videos of the presentations, speaker bios, and a proceedings of the Summit are or will be available at the website <http://nas-sites.org/hr-weeds-summit/>. The website will be updated with additional materials as they are developed.

Response to the Summit was quite positive, and a great deal of discussion is now occurring on how we can best use the momentum created by the Summit to move forward in addressing this pressing issue. Action items include additional training modules, partnership with other organizations for training activities, continuing to work with federal agencies in resistance management, and potential symposia at the next WSSA conference. Opportunities to expand funding for resistance management, including everything from fundamental weed biology to more effective outreach, is also being explored.

David Shaw, Chair

WSSA Herbicide Resistance Education Committee



CALL FOR PAPERS

2013 WSSA MEETING

53rd Annual Meeting of the Weed Science Society of America Joint Meeting with Northeastern Weed Science Society Baltimore, Maryland • February 4–7, 2013

INVITATION

You are invited to submit titles and abstracts for papers and posters to be presented at the Weed Science Society of America Meeting in Baltimore, Maryland on February 4–7, 2013, Monday to Thursday. Volunteer papers may be presented orally in one of the section meetings 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, may be co-author of papers presented by other authors, and may present an invited symposium paper.

DEADLINE

Abstract Titles and Author Information must be submitted electronically by **October 2, 2012**, to be considered. Those not submitted by the deadline will not be accepted. This deadline applies to symposium papers, as well as to volunteer papers and posters. Abstract texts must be submitted by **January 15, 2013**. The program will be posted on the WSSA website (<http://www.wssa.net>) and members will be informed when it is available by "ListServe" from Joyce Lancaster. Printed programs will be mailed to those US attendees pre-registered before **January 4, 2013**, and will be provided to all International and on-site attendees 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 introduction, transition of speakers, and questions, you should plan to present your paper in 12 or 13 minutes. Papers should report the results of completed research or other substantive information. Information should not have been presented at a previous WSSA national meeting. Ideally, research reported at the WSSA Meeting should be publishable in *Invasive Plant Science and Management*, *Weed Science*, *Weed Technology*, or a similar scientific journal.

SYMPOSIUM PAPERS

Speakers participate in symposia by invitation. Deadlines and procedures for preparing and submitting abstracts of symposium papers are the same as for volunteer papers, except that the author must send a copy of the abstract to the symposium organizer.

PROJECTION EQUIPMENT

The WSSA has adopted LCD projection for PowerPoint

presentations as the standard and will be used exclusively during the annual meeting. 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 (any version) for MS Windows (PC compatible). PowerPoint 2010 will be the software used. MacIntosh/Apple formats will **NOT** be supported. Your presentation must be saved as a PowerPoint show file. **The section chairs have requested that ALL presentations be prepared and uploaded on the abstract submission site so that preloading prior to the meeting can be accomplished** (see Submission of Presentations).

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 one week **PRIOR** to sending your presentation if you need to use a video clip. Limit fonts used in the presentation to basic fonts, as not all machines may have the same choice of fonts. Examples of standard fonts are Times, 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 uploaded on the submission site prior to the meeting. Section chairs must receive the presentation at least one week in advance of the meeting (**no later than January 28, 2013**). 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 the meeting program for the time and place. Due to the limited time and equipment, last minute editing is highly discouraged. 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

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CALL FOR PAPERS CONTINUED from pg 4

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 to these guidelines between now and the meeting. This information will be published in the October and January issues of the WSSA Newsletter. For non-WSSA members, the WSSA Newsletter is available on the WSSA website (<http://www.wssa.net>).

SUBMISSION OF ABSTRACT

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

- After **September 4, 2012**, you will be able to access the Title/Abstract Submission Page from the WSSA website. 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 for uniformity; therefore, proofread your submission very carefully. Primary contact authors will receive an email indicating their abstract was received and a later email confirming the section/day/time when and where the paper will be presented.

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.”
2. **Formatting** – Typing and format instructions will be provided on the Title/Abstract Submission Page of the WSSA website. 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 by their affiliations/locations.

Capitalize the first letter of all major words 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 (authorship of plants is not necessary), 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 not abbreviate the word “University” to “Univ.”

Example 1. Role of Adjuvants on Sulfonylurea Herbicide Efficacy. D. Sanyal^{*1}, P. C. Bhowmik², ¹Monsanto Company, St. Louis, MO, ²University of Massachusetts, Amherst, MA.

Example 2. Evaluation of an In-Row Rotating Cultivar in Vegetable Crops. S. A. Fennimore^{*1}, R. F. Smith², J. Rachuy², ¹University of California, Davis, CA, ²University of California, Monterey County, CA.

Example 3. Teaching Weed Science in an Off-Campus Setting. R. E. Whitesides^{*}, C. V. Ransom; Utah State University, Logan, UT.

3. **E-mail Address** – For better communication among researchers, place the e-mail address of the senior author following the last sentence of abstract.
4. **Herbicide nomenclature** – A list of common and chemical names of herbicides approved by the WSSA is available at <http://wssa.net/Weeds/Tools/Herbicides/HerbicideNames.htm>. When the common name refers to the parent acid, 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.
5. **Adjuvant nomenclature** – Where possible, use the WSSA *Herbicide Handbook*, 9th edition (2007), p. 421–423; *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.
6. **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 (underlined and in parentheses). Do not repeat the scientific name in the text if given in the title. A list of WSSA approved common and Latin names of common weed species can be found at <http://wssa.net/Weeds/ID/WeedNames/namesearch.php>. If there is no WSSA-designated common name, use common scientific names from another source such as *Hortus Third*.
7. **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, underlined and in parentheses, following first mention of the common name, whether in the title or text.

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CALL FOR PAPERS CONTINUED from pg 5

8. **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. 1988. For soils outside the U.S.A., use the local official terminology.
9. **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*, 9th edition (2007), p. 431–434 for metric conversions.
10. **Abbreviations** – Use abbreviations as shown at http://www.peertrack.net/WSSA/WSSA_Dir_to_Contrib.pdf or CBE Style Manual.
11. **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.
12. **Tables, figures, or literature citations** – There will be a system in place on the abstract submission site to add these.

SUBJECT INDEX

A subject index consisting of weed/crop names, herbicides, and other key words will be included 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. The abstract submission site utilizes a new key word system. There are drop down boxes for each type of subject with a listing of choices. It is recommended that you utilize these pre-selected choices although there is an area for authors to type in user defined key words that are not found in any of the selections.

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., sulfonylureas, 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 at the 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 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 2013 (Section Chair in 2014) and discuss recommendations for improvement of the Poster Session.
3. **Poster Boards. One board 48 x 48 inches will be provided for each poster. There will be no exceptions to the rule of one board per paper. Posters should be no larger than this size.**
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, video equipment, 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.

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WASHINGTON REPORT

by Lee Van Wychen, Director of Science Policy

FY 2013 AG RESEARCH APPROPRIATIONS

The Senate Appropriations committee passed its version of the FY 2013 Ag Appropriations (S. 2375) on April 26. The House Appropriations Committee approved a draft bill by voice on June 19. In general, the House numbers are a few percent lower than FY 2012 appropriations as well as the FY 2013 numbers from the Senate and the President. The Senate numbers are better than the Administration's numbers for APHIS, the Hatch Act, and Smith Lever 3(b) and (c) programs. The Administration proposed \$325 million for the Agriculture and Food Research Initiative (AFRI) which is nearly a 23 percent increase over FY

2012. The Senate proposed \$298 million for AFRI and the House proposed \$276.5 million. The National Institute of Food and Agriculture (NIFA), which AFRI is part of, would receive \$1.238 billion from both the Senate and Administration. This is roughly a \$37 million increase over FY 2012. However, the House would cut NIFA funding by 2.3 percent compared to FY 2012. Senate funding for USDA-ARS would be \$1.101 billion, an increase of \$7.2 million over FY 2012. The Senate Appropriations Committee rejected the Administration's request to close six more ARS research facilities after closing twelve during the current fiscal year.

The House and Senate both rejected

the Administration's proposal for consolidating six pest management related programs (highlighted in gray) into a Crop Protection Program. This program would support projects that respond to pest management challenges with coordinated regionwide and national research, education, and extension programs, and would serve as a catalyst for promoting further development and use of integrated pest management approaches. The Administration proposed \$29.056 million for the Crop Protection Program, which reflects combined pest management funding transferred from Research and Education and Extension Activities into the Integrated Activi-

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USDA Program Description	FY 2011	FY 2012	FY 2013 President	FY 2013 Senate	FY 2013 House
	(in thousands of dollars)				
APHIS	\$863,270	\$816,534	\$762,418	\$816,534	\$787,000
ARS	1,133,230	1,094,647	1,102,565	1,101,853	1,073,499
ERS	81,814	77,723	77,397	77,397	75,000
NASS	156,447	158,616	179,477	179,477	175,227
NIFA	1,214,798	1,202,264	1,238,745	1,238,745	1,175,012
RESEARCH & EDUCATION	698,740	705,599	732,730	738,638	691,487
- Hatch Act	236,334	236,334	234,800	236,334	231,607
- Cooperative Forestry Research	32,934	32,934	32,934	32,934	32,275
- Improved Pest Control	16,153	15,830	0	15,830	15,513
Expert IPM System	156	153	0	153	149
IPM Grants Program	2,410	2,362	0	2,362	2,315
IR-4	12,156	11,913	0	11,913	11,675
PMAP	1,431	1,402	0	1,402	1,374
- AFRI	264,470	264,470	325,000	297,956	276,515
- Sustainable Ag Res. and Educ.	14,970	14,471	14,471	14,471	14,181
EXTENSION ACTIVITIES	479,132	475,183	462,473	475,125	462,473
- Smith Lever	293,911	294,000	292,411	294,000	286,062
- Extension IPM Coordinators	9,418	9,918	0	9,918	9,650
INTEGRATED ACTIVITIES	36,926	21,482	43,542	24,982	21,052
- Section 406	29,000	14,496	33,056	14,496	14,496
- Regional IPM Centers	3,000	4,000	0	4,000	4,000
- CAR	0	0	0	0	0
- RAMP	0	0	0	0	0
- Methyl Bromide Transition	2,000	1,996	1,996	1,996	1,996
- Organic Transitions	4,000	4,000	4,000	4,000	4,000
- Crop Protection Program*	-----	-----	29,056	0	0

ties account under Section 406 Authority. The Senate funded all six pest management related programs at their FY 2012 funding level, and kept them under their respective Research and Education, Extension, and Integrated Accounts within the NIFA budget. The House will fund all six programs individually as well, with total funding at \$29.163 million. Senate funding for the six programs totals \$29.748 million or \$690,000 more than the Administration's proposal.

The WSSA Science Policy Committee has received a lot of feedback from members both in support and against the Administration's proposed Crop Protection Program. The main point in support of the proposed Crop Protection program, in addition to those mentioned above, is that the consolidated budget number would help USDA protect the smaller IPM programs under this harsh fiscal climate. The main point against the new proposal is that IR-4 and the Extension IPM Coordinators programs would incur indirect cost recovery of approximately 30 percent if they were moved from their respective Research and Education Activities and Extension Activities Account to the Integrated Activities Account. The WSSA has supported all six of the programs in the past and would like to see each of their budgets grow. The Science Policy Committee will continue to vet the new Crop Protection proposal.



NATIONAL SUMMIT ON STRATEGIES TO MANAGE HERBICIDE RESISTANT WEEDS A SUCCESS

On May 10, 2012 more than 250 policymakers, producers, herbicide manufacturers, social scientists, agronomists and weed scientists participated in a National Summit on Strategies to Manage Herbicide Resistant Weeds at George Washington University in Washington, D.C. The Summit had excellent speakers and panelists throughout the day that provided the scientific underpinnings of the herbicide resistant weed problem

which led to excellent discussions about the impediments and incentives needed to move forward in managing herbicide resistant weeds. Two common themes that emerged during the summit was the need for a diversity of weed management tactics and the woefully inadequate federal funding directed to weed science.

The nine member planning committee deserves a ton of credit for the excellent program and speakers. The Summit planning committee was chaired by Dr. Charles J. Arntzen, a member of National Academy of Sciences from Arizona State. WSSA members on the planning committee included Dr. Harold Coble, USDA-ARS; Dr. Jodie Holt, University of California – Riverside; Dr. Mike Owen, Iowa State; Dr. Jill Schroeder, New Mexico State; and Dr. David Shaw, Mississippi State. Other planning committee members included Dr. David Ervin, Dept. of Economics, Portland State; Dr. Terrance Hurley, Dept. of Applied Economics, University of Minnesota; and Dr. Raymond Jussaume Jr., Dept. of Sociology, Michigan State.

The Herbicide Resistant Weeds Summit was organized with generous support from the WSSA, USDA-NIFA, USDA-ERS, the Herbicide Resistant Action Committee, the Iowa Soybean Association, the National Cotton Council, and the United Soybean Board.

All sessions of the Herbicide Resistance Summit were video recorded and will be posted on the NAS website at: nas-sites.org/hr-weeds-summit/. Later this summer, the Summit Proceedings will be released and posted on the NAS website and disseminated to the press, meeting participants, and stakeholders.

SENATE WORKING ON 2012 FARM BILL

The Senate Agriculture, Nutrition, and Forestry Committee passed its version of the 2012 Farm Bill by a vote of 16–5 on April 26. Overall, the bill would cut the nation's deficit by \$23 billion. The legislation would consolidate and eliminate many USDA programs. Conservation programs are among the targets, with 23 existing

programs proposed for consolidation into 13 programs.

In the research title, the bill would reauthorize AFRI at \$700 million per year. The Specialty Crop Research Initiative would receive a total of \$200 million over the life of the farm bill and its funding levels are made permanent into future farm bill cycles at \$50 million per year. The Organic Agriculture Research and Extension Initiative would receive \$80 million over the life of the farm bill, or \$16 million per year plus an authorization for \$25 million per year in appropriations. This is 20 percent decrease in current annual funding. Also included in the bill is a provision that requires USDA-NIFA to assess barriers faced by institutions with limited capacity to successfully apply and compete for research grants.

On June 19, the Senate began consideration of 73 amendments to the committee mark-up of the Farm Bill. One disappointment was that an "NPDES fix" amendment cosponsored by Sen.'s Hagan and Crapo was not allowed as one of the 73 amendments. Despite the fact that 60+ Senators would have supported the amendment, Sen. Boxer remains ignorant on the issue and vowed to "sink the Farm Bill" if the amendment was allowed a vote. On the other side of the Capitol, the House Ag Committee is expected to mark up their version of the Farm Bill if and when it gets through the Senate.

AQUATIC PLANT CONTROL RESEARCH PROGRAM UNDER ATTACK AGAIN

The U.S. Army Corps of Engineers' Aquatic Plant Control Research Program (APCRP) is the nation's only federally authorized program for research and development of science-based management strategies for invasive aquatic weeds. The work conducted by APCRP's 18 research staff has been effective, efficient, and invaluable in our nation's fight against foreign aquatic invaders. Like FY 2012, the Administration and the House Energy and Water Appropriations Committee have not provided any funding for FY 2013, but the Senate Energy and Water

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Appropriations Committee proposed \$4 million in funding for APCRP during their April 26 mark-up. It would be a grave mistake by the Corps' to eliminate the expertise and institutional knowledge encompassed by APCRP. We have once again asked the Army Corps of Engineers and Congress to restore funding to \$4 million for FY 2013.



2012 NISAW A SUCCESS

National Invasive Species Awareness Week or NISAW was held from February 26 to March 2, 2012. Over 800 people participated in Kids Invasive Species Day at the U.S. Botanic Garden. State, local, tribal and federal officials as well as representatives of business, environmental groups, and private citizens participated at events held at the Department of Interior, the Department of Agriculture and the Hamilton Crowne Plaza Hotel. Over 100 people from across the U.S. participated. Deputy Assistant Secretary for Policy and International Affairs, Lori Faeth; Catherine Woteki, USDA Under Secretary for Research, Education and Economics; John Goss, White House Council on Environmental Quality's Asian Carp Director; and Deputy Assistant Secretary of State Lawrence J. Gumbiner provided opening presentations.

The first ever National Invasive Species Awards were presented on behalf of the National Invasive Species Council (NISC), the Aquatic Nuisance Species Task Force (ANSTF) and the Federal Interagency Committee for the Management of Noxious and Exotic Weeds (FICMNEW). The Chief of the USDA Forest Service also gave out invasive species awards. US Fish and Wildlife Service Director Dan Ashe addressed more than 300 people attending the NISAW/Association of Fish and Wildlife Agencies reception about the importance of preventing the introduction of invasive animals. The Defenders of Wildlife hosted a dis-

cussion of invasive species topic for the National Environmental Coalition on Invasive Species at their headquarters. More than 140 people attended the Grassroots Invasive Species Forum and Webinar via the internet; and prevention and international cooperation topics were extensively reviewed. In addition, the National Park Service hosted the first ever Urban Invasive Species Forum. Many states and localities hosted their own invasive species events.

WSSA is among the many public and private stakeholders working with NISC to organize the education and awareness events. WSSA hosted a seminar at the House Agriculture Committee featuring Dr. Rod Lym from North Dakota State University (See photo below). Dr. Lym presented research data on the success of the TEAM Leafy Spurge Project in a talk titled "Invasion Persuasion: TEAM Leafy Spurge, the successful program for defeating a wide-spread invader." TEAM Leafy Spurge was a USDA-ARS 6-year research and demonstration program that was highly effective at developing and demonstrating ecologically based integrated pest management strategies that landowners and land managers could use to achieve effective, affordable and sustainable leafy spurge control. Thanks to the many people, agencies and organizations who made NISAW happen!

2,4-D STILL SAFE AFTER 60 YEARS

The Natural Resources Defense Council (NRDC) requested that EPA

cancel all 2,4-D registrations and revoke all tolerances in a November 2008 petition. This was despite the fact that 2,4-D had just undergone an extensive review in 2005 during the FIFRA re-registration process. After considering new public comments and evaluating all science-based studies, EPA denied the NRDC petition on April 9, 2012. For more information about the EPA review of 2,4-D and a press release on its decision please go to: http://www.epa.gov/oppfead1/cb/csb_page/updates/2012/2-4d-petition.html

NATIONAL BIOECONOMY BLUEPRINT ISSUED BY OBAMA ADMINISTRATION

The Obama Administration released its National Bioeconomy Blueprint in April. Describing the 'bioeconomy' as an economy based on the use of research and innovation in the biological sciences to create economic activity and public benefit, the White House emphasized its tremendous potential for growth and the many societal benefits it offers.

The Blueprint highlights five strategic objectives that need to be met. The first objective is to invest in R&D in areas that are foundational for the future bioeconomy. To ensure success of this objective, federal agencies will need to select R&D investments strategically for maximum effect, implement a cross-disciplinary approach to research problems, and create funding procedures that are more flexible.

The government will also strive to develop and reform regulations to reduce barriers, increase the speed and

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Rod Lym presenting at House Ag Committee during NISAW

predictability of regulatory processes, and reduce costs while protecting human and environmental health. The report also calls for the identification and support of public-private partnerships and precompetitive collaborations. Potential areas of collaboration include biofuels, food security, and biotherapeutics.

The Bioeconomy Blueprint gives many examples of federal projects already underway that contribute to the bioeconomy. For the full report, visit: <http://www.whitehouse.gov/blog/2012/04/26/national-bioeconomy-blueprint-released>

USDA RELEASES 2010 PESTICIDE DATA PROGRAM REPORT

The USDA released its annual Pesticide Data Program (PDP) report on May 25th, available here at <http://www.ams.usda.gov/AMSV1.0/pdp>. In the report, USDA states that pesticide residues on food do not pose a safety concern. Of the 11,644 samples

tested for pesticide residue, fresh and processed fruit and vegetables accounted for 85.0 percent of the total samples collected. Other samples collected in 2010 included water, 6.4 percent; catfish, 3.0 percent; eggs, 2.9 percent; and oats, 2.3 percent. Approximately 73.8 percent of samples were from U.S. sources, 23.8 percent were imports, 1.4 percent was of mixed origin and 1.0 percent was of unknown origin. Of the 11,644 samples tested, only 29 had residue levels above EPA-set tolerance levels. Only 12 of those samples were of U.S. origin and none were herbicides.

APHIS DEREGULATES RR SUGAR BEETS, AGAIN

On June 1, APHIS announced that it had completed the final assessment of Monsanto's Roundup Ready (RR) sugar beets and choose full deregulation. APHIS originally deregulated RR sugar beets in 2005. However, that decision was overturned in 2009 following a lawsuit filed against the

USDA by the Center for Food Safety and Earthjustice. Following the U.S. District Court decision, APHIS was required to prepare a plant pest risk assessment under the Plant Protection Act and an Environmental Impact Statement (EIS) under the National Environmental Protection Act. The WSSA, NCWSS, and WSWS submitted federal register comments to APHIS last winter in support of full deregulation of RR sugar beets. APHIS will finalize its deregulation recommendation on July 9 after making both assessments publicly available for 30 days.

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NECROLOGY

HOMER McKAY LeBARON **1926–2012**



Homer McKay LeBaron passed away peacefully at home on June 12, 2012.

He was born May 13, 1926 to Homer Neal and Luella Wight LeBaron in Barnwell, Alberta, Canada. He married Venita Vance in the Cardston Alberta Temple on December 29, 1952. She passed away June 1, 1990. Homer married Aleene Sumsion (Rowley) on June 21, 1991, in the Washington, D.C. Temple.

Homer earned B.S. and M.S. degrees at Utah State University and a Ph.D. at Cornell University in 1960. A leader in triazine herbicide research, he was plant physiologist at Virginia Tech, and from 1964 to 1991 Dr. LeBaron was employed by Geigy Chemical Corporation, in Westchester, New York, and CIBA-GEIGY (Novartis, Syngenta), in Greensboro, North Carolina. He was Senior Research Fellow in Biochemistry and New Technology and Basic Research Departments, where he coordinated and directed outside basic research on all CIBA-GEIGY agricultural products.

Dr. LeBaron served as president of three national weed science societies. Recipient of several professional awards, he was the first agricultural scientist from industry to receive the Charles A. Black Award from CAST for his contributions in promoting sound science and public understanding of agriculture. He is the author or co-author of 90 scientific publications, including six books and multiple special reports.

He spent his life in civic service and in loving service to The Church of Jesus Christ of Latter-day Saints, serving as a bishop, patriarch, North Carolina Charlotte Mission President's counselor for several years, and President of the Zaire Kinshasa (Africa) mission from 1992 to 1994. He and his wife Aleene served as missionaries in the Illinois Nauvoo Mission, historical site, May 2003 to November 2004.

Homer is survived by his loving wife Aleene of Heber City, Utah, daughters Melody LeBaron (Ed Grove), Roswell, GA; Laura Brooks (Dennis), Grand Blanc, MI; Nancy Checketts (Gus), Elkhorn, NE; Dorothy Tucker (Kelly), Browns Summit, NC; sons Robert LeBaron (Lisa), Leesburg, FL; David Benjamin LeBaron (Sherry), Tampa, FL; step-children Kurt Rowley (Paula), Syracuse, UT; Kristine Carbine (Adrian), North Plains, OR; Lorrain Nilsen (Kelvin), American Fork, UT; Janiel Miller (Bruce), American Fork, UT; Lynn Anderson (Mark), Kenmore, WA; 27 grandchildren, 21 step-grandchildren, 16 great-grandchildren, brothers Eddie LeBaron (Judy), Costa Mesa, CA; Milton Glenn LeBaron (Gloria), Sherwood Park, Alberta, Canada.

Preceded in death by his parents, daughter Ruth, sisters Pearl Baker, Lois Jones, brothers Joseph, Lawrence, Don, Melvin, E. Dale LeBaron, and grandson Logan Schlosser.

We extend much appreciation for the help and support of our friends and neighbors and the personnel of Heber Intermountain Homecare Hospice.

Funeral services were held Saturday, June 16, 2012 at 2:00 p.m. in the Heber LDS North Stake Center, 550 East 500 North, Heber City, Utah. A visitation was held on Saturday from 12 noon–1:30 p.m. prior to the services. Interment followed the services in the Heber City Cemetery.

Condolences may be sent to the family at www.olpinhoopes.com



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CALENDAR OF UPCOMING EVENTS

DATE	EVENT	LOCATION	CONTACT
July 22–25, 2012	Aquatic Plant Management Society (APMS) Annual Meeting	Salt Lake City, Utah	www.apms.org
June 26–28, 2012	Second Annual NAIPSC	University of Nebraska-Lincoln West Central Research and Extension Center North Platte, Nebraska	
August 1, 2012	SWSS Weed Contest	University of Arkansas Fayetteville, Arkansas	Email: TEubank@drec.msstate.edu
December 10–13, 2012	North Central Weed Science Society (NCWSS) Annual Meeting	St. Louis, Missouri	www.ncwss.org
January 28–30, 2013	Southern Weed Science Society (SWSS) Annual Meeting	Houston, Texas	www.swss.ws
February 4–7, 2013	Joint NEWSS and WSSA Annual Meeting	Hilton Baltimore Baltimore, Maryland	Jim Kells Tel: 517-355-0271 Email: kells@msu.edu www.newss.org www.wssa.net
February 18–22, 2013	Global Herbicide Resistance Challenge Conference	Perth, Australia	www.herbicideresistanceconference.com.au
March 11–14, 2013	Western Society of Weed Science (WSWS) Annual Meeting	San Diego, California	www.wsweedscience.org
February, 2014	Joint WSSA and Canadian Weed Science Society Annual Meeting	Vancouver, Canada	

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