



# Western Society of Weed Science Newsletter

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Summer 2014

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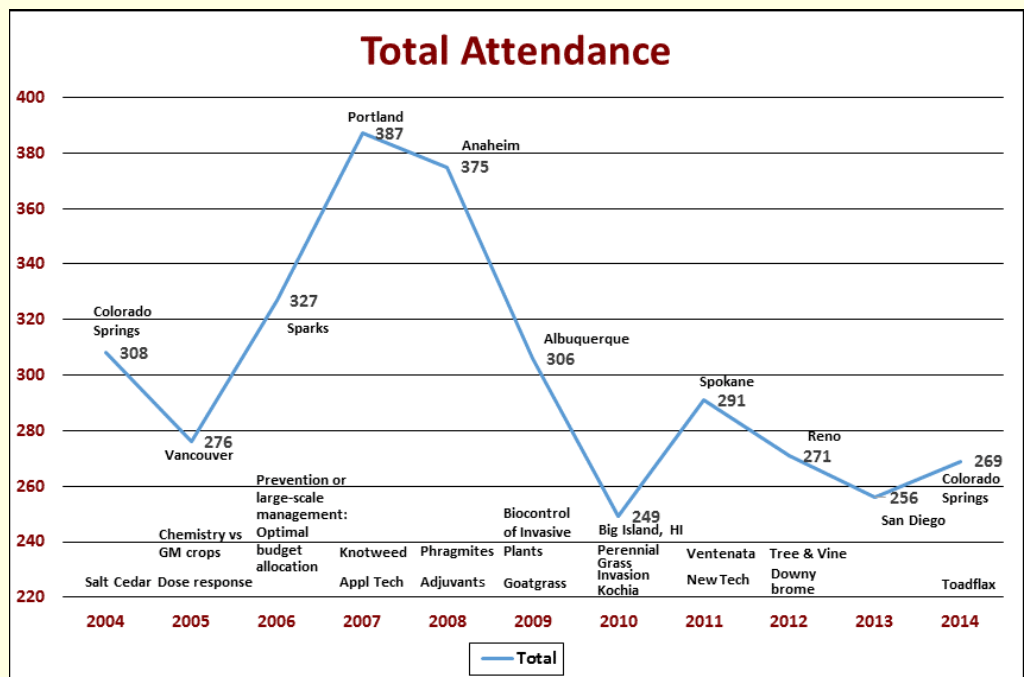
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## Report from the President by Drew Lyon

The WSWS Board of Director's (BoD) held our summer meeting on July 30<sup>th</sup> and 31<sup>st</sup> at our next venue, the Hilton Portland & Executive Tower in downtown Portland, Oregon. Within just a few blocks of the hotel are many excellent restaurants that should suit all sorts of tastes. Portland also offers many forms of entertainment for those who want to come early or stay late. Light rail service from the airport will get you to within two blocks of the Hilton for just \$2.50.

The BoD heard reports from most of its officers and committees at the summer meeting. Brian Jenks, Member-at-Large Public Sector, provided the BoD with a report on annual meeting attendance and paper submissions since 2004 (See graph below). Total attendance during this period peaked in 2007 at 387. We met in Portland that year and there was a well-attended symposium on knotweed. The lowest total attendance was in 2010 when 249 people attended the meeting on the Big Island of Hawaii. Total attendance exceeded 300 people (currently considered our break-even attendance level) in five years: 2004 in Colorado Springs, 2006 in Sparks, 2007 in Portland, 2008 in Anaheim, and 2009 in Albuquerque. Since 2010, our average total attendance has been 267. Brian reported that since the start of the Great Recession in 2008, memberships have dropped as a percentage of total membership from people working at the federal (primarily ARS), state, and county levels. Travel budgets for many government agencies were cut during this period and ARS continued to eliminate weed science positions, reallocate funds, or change research priorities during this time as well. The BoD spent a good bit of time discussing these trends and what the WSWS can do to try and increase membership and total attendance at our meetings. You may see some changes in the 2015 annual meeting that are designed to try and accomplish this task. One observation expressed at the BoD meeting was that when we have a good venue and a strong program, attendance is usually good.



Speaking of good venues, the BoD approved the recommendation made by the Site Selection Committee to hold the 2017 annual meeting at the Coeur d'Alene Resort in Coeur d'Alene, ID. The committee looked at bids from two hotels in Seattle, a yet to be built facility in Spokane, and the Coeur d'Alene Resort. We have met at the Coeur d'Alene Resort a couple of times in the past and I believe most of our membership was pleased with the facility and the location. With Portland, Albuquerque, and now Coeur d'Alene in our future, the BoD is optimistic that the stage has been set for the success of future annual meetings.

Earlier this year I signed a Memorandum of Understanding with the Western Aquatic Plant Management Society (WAPMS) to hold a joint meeting in 2017. The facilities at the Coeur d'Alene Resort will easily handle both societies and the joint meeting should allow for some interesting programming and networking opportunities. The WWSW, under the guidance of Phil Banks, will manage the annual meeting for both societies.

Your BoD is made up of dedicated members who give of their time and talents to serve you. It is my distinct honor to work with them as we strive to make you proud to be members of the WWSW. We are only able to represent you if we hear from you, so please do not hesitate to contact any of us with suggestions to improve our society.

Joe Yenish, President-Elect, led our discussions on the 2015 program. There were a lot of good ideas shared during this discussion and Joe will be working with members of the BoD to put together an interesting program that should be appealing to a wide audience and may include a possible tour or two as well. Stay tuned for details as they emerge.

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## Student Liaison Report - by Marcelo Moretti and Carl Coburn

We are all in the height of the summer busy with research, but this is the time for all students to start preparing their applications to the **WWSW Elena Sanchez Outstanding Student Scholarship Program**. This year, three students will be awarded \$1000 to attend the annual meeting in Portland. Applications are due on **October 1<sup>st</sup>**, and more details can be found at the WWSW website <http://www.wsweedscience.org/student-site/> under "student resources" tab and in the Summer Newsletter.

All three Scholarships awards will be fully funded by the 2014 Student Silent Auction! This is the first time the silent auction is able to fund all scholarships. To keep up with the silent auction success, we are currently looking for items, services, or donations to be on display for the 2015 meeting in Portland. If you have a favorite company, or a company whose equipment you use frequently, please pass their contact information on to us or contact the student liaisons for information on soliciting companies for silent auction items. We are interested in items for both the 2015 meeting and 2016 meeting.

Your comments and suggestions to the post meeting survey following the Colorado Springs meeting were well received by the board and will help with planning the student events for the meeting in 2015. If you are interested in being more involved in the society, the WWSW board is currently looking for motivated students to join the public relations committee. All you need to know is how to use Facebook and Twitter. This committee will be working to publicize the annual meeting, the symposium at the annual meeting, and the book *Weeds of the West*. The public relations committee is receptive to new ideas.

Like us on Facebook [<https://www.facebook.com/WWSWStudentSection>, or search for "Western Society of Weed Science"] and you will receive updates about the annual meeting. The Facebook page can be used as a forum for information or suggestions. Feel free to use it and suggest improvements. We are always open to constructive criticism.

As always contact Carl W. Coburn ([ccoburn2@uwyo.edu](mailto:ccoburn2@uwyo.edu)) or Marcelo Moretti ([mlmoretti@ucdavis.edu](mailto:mlmoretti@ucdavis.edu)) with any questions.

Marcelo L Moretti, Student Section Chair

Carl Coburn, Student Section Chair Elect

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## Notes from the Local Arrangements Committee - by Daniel Curtis

### MEETING LOCATION:

Hilton Portland & Executive Tower 921 SW 6th Ave, Portland, OR 97204  
(503) 226-1611

### TRANSPORTATION:

From the Portland airport (PDX) to the Hilton downtown there are several options;

Max light rail – cost \$2.50 – runs to Pioneer Square which is about a block from the hotel. Travel time is about 40 minutes. First train of the day arrives at PDX at 4:45 AM and last train leaves PDX at 11:50 PM. <http://www.trimet.org/schedules/maxredline.htm>

Shuttles are available from the airport to the hotel. The **Downtown Airport Express by Blue Star** runs every 30 minutes and costs \$14 one-way and \$24 round-trip to downtown and Lloyd Center/Convention Center hotels and the downtown Hilton.

When leaving the airport, you can find the Downtown Airport Express and other hotel shuttle buses on the terminal's lower roadway (outside of baggage claim) on the far side of Island #2, closer to the parking garage.

The average taxi fare from the airport to downtown is approximately \$40 before gratuity. **Radio Cab** offers a discount with **coupons available on their website**. The one-way trip takes 20-40 minutes. You can find taxis waiting in the center section of the airport terminal's lower roadway outside of baggage claim; to get back to the airport from the city center, you can order a cab through the city's main operators or from a hotel with a dedicated taxi stand.

This information is summarized well at <http://www.travelportland.com/article/portland-international-airport-pdx/>

### PARKING:

Parking is predominately available only in parking garages. Most have size restrictions – especially for height (such as a 6' 8" max) and length so be sure to check first if you have a large vehicle. The information the Hilton provided is below.

**HILTON PORTLAND VALET ONLY PARKING** (503) 226-1611 x2172: *Hotel front door, on SW 6th Avenue between Salmon and Taylor* \$15.00 first 3 hours, \$5.00 per additional hour / \$35.00 daily maximum. \$35.00 for registered overnight guests. There will be a **15% discount** for conference attendees at this location only.

**HILTON EXECUTIVE TOWER VALET** (503) 226-1611 X 2549: *Executive Tower front door, on SW Taylor between 5th and 6th Avenues* \$15.00 first 3 hours, \$5.00 per additional hour / \$35.00 daily maximum \$35.00 for registered overnight guests.

**HILTON EXECUTIVE TOWER GARAGE** (503) 223-4128: *On 5th and Taylor Street* \$3.00 first hour; \$5.00 each additional hour \$11.00 daily maximum (6:00 am – 6:00 pm) \$5.00 evenings (after 6:00 pm – 3:00 am) \$27.00 for registered overnight guests WEEKENDS: \$5.00 daily maximum, \$27.00 overnight.

**1000 BROADWAY – PMC** (503) 294-3268: *1000 SW Broadway (entrances on SW Salmon and SW Main) / Open 24 hours* \$5.00 per hour / \$16.00 daily maximum (Mon-Fri, 5:00 am-5:00 pm) \$5.00 -\$7.00 evenings (after 5:00 pm) and weekends (max \$5.00) \$24.00 for overnight parking.

**METROPOLITAN GARAGE** (503) 294-3264: *515 SW Salmon Street / Closes at midnight; Sundays at 9:00 pm* \$5.00 per hour / \$9.95 daily maximum \$3.95 evenings after 4:00 pm and all day weekends \$16.00 overnight Monday through Friday \$8.00 Saturday through Sunday.

**FOX TOWER PARKING GARAGE** (503) 221-1666 *805 SW Broadway (enter on SW Taylor between Broadway and Park) / Open 24 Hrs* Mon – Fri: \$5.00 per hour / \$11.00 per day if in before 9:30 am \$ 12.00 daily maximum, \$24.00 for overnight parking, Sat – Sun: \$4.00 per day if in before 10:30 am \$8.50 daily maximum, \$24.00 for overnight parking. Evening rate (5:00 pm – 6:00 am); Sun – Thurs: \$6.00, Fri – Sat: \$7.00.

## THINGS TO DO IN PORTLAND:

<http://www.travelportland.com/> is an excellent place to start your plans. Some of my favorite things to do are:

Visit the Columbia Gorge. This would probably require a car – but tours are available. Gorge hiking favorites are Eagle Creek trail near Bonneville dam, Multnomah Falls, and Twin Tunnels at Mosier are some great ones. Other gorge trips include visiting waterfalls, researching Lewis and Clark's trip down the Columbia, checking out the old Columbia River Highway including Vista Point are some great ideas. Bonneville dam is also an interesting place to visit.

Great hiking is available close to Portland downtown in Forest Park. Also there is the Japanese Gardens, Hoyt Arboretum, and the International Rose Test Garden. Links can be found at <http://www.travelportland.com/>.

## SHOPPING:

Lloyd Center Mall, Pioneer Courthouse Square, Northwest 23<sup>rd</sup> Street (Nob Hill), Rejuvenations Hardware, to name a few places.

## FOOD:

Everywhere! Many great restaurants and food carts (more than 600!).

As a side note, I am trying to see what sort of interest there might be for an afternoon wine tour the Sunday prior to the meeting. If there are 10 or more people interested cost would be approximately \$80 per person plus any tasting room costs. If interested contact

[Daniel.Curtis@oregonstate.edu](mailto:Daniel.Curtis@oregonstate.edu).

## 2014 Proceedings Available On-Line

Proceedings Editor, Bill McCloskey, has finished the Proceedings from the 2014 Colorado Springs meeting and it is now posted on the website. Follow this link to view:

[http://www.wsweedscience.org/wp-content/uploads/2013/09/2014-WSWS-Proceedings\\_Final.pdf](http://www.wsweedscience.org/wp-content/uploads/2013/09/2014-WSWS-Proceedings_Final.pdf)

Thanks to everyone for making the Colorado Springs meeting a success and to Bill for his work.

## 2015 Nominations for Fellows and Honorary Members

Don't Forget! Nominations are being solicited for 2015 WSWS Fellow and Honorary Members. Please send completed nominations to Tim Miller ([twmiller@wsu.edu](mailto:twmiller@wsu.edu)) by December 1, 2014. Consult the WSWS Spring Newsletter for dossier requirements (<http://www.wsweedscience.org/wp-content/uploads/2014/04/2014-Spring-Newsletter.pdf>). We have many outstanding members who are eligible for WSWS Fellow, and many non-members who have played an important role in western weed science, so let's get those nominations submitted!

## Reminder from the Necrology Committee! – Steve Valenti, Chair

If you are aware of past WSWS members who have passed away since the 2014 meeting please forward the obituary immediately to Steve Valenti ([stephen.a.valenti@monsanto.com](mailto:stephen.a.valenti@monsanto.com)) or to the Business Manager, Phil Banks ([wsws@marathonag.com](mailto:wsws@marathonag.com)). If you prefer call me at (701) 799-9328. It is very important that we remember deceased members appropriately. Additionally, we would like to encourage those interested in serving on this committee to let us know. The committee is comprised of 3 members and the second year member will be chair. The necrology committee is basically responsible for obtaining the information on those members who have passed, keep the President notified, obtain the obituary or biography, and prepare a written report to be presented at the Society Business Meeting.

## Treasurer / Business Manager

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## Publications

WSWS ONLINE EDUCATION  
<http://passel.unl.edu/pages/index2col.php?category=weedscience#>

WSWS Journals Website Online  
[www.WSSAJournals.org](http://www.WSSAJournals.org)

## Calendar of Events

### Meeting the Challenge: Predicting, Detecting, and Controlling Invasive Plants

September 16-17, 2014  
University of Washington  
Botanic Gardens  
Seattle, Washington  
[www.bit.ly/invplants2014](http://www.bit.ly/invplants2014)

### North American Invasive Species Management Association

September 29- October 1,  
2014  
Fargo, ND  
<http://www.naisma.org/>

Weeds Across Borders  
International Conference on  
Invasive Species  
October 14-17, 2014  
Ottawa, Canada  
[http://wssa.net/wp-  
content/uploads/Weeds-  
Across-Borders-2014\\_Call-for-  
Abstracts.pdf](http://wssa.net/wp-content/uploads/Weeds-Across-Borders-2014_Call-for-Abstracts.pdf)

### Weed Science Society of America Annual Meeting

February 2015  
Lexington, Kentucky  
[www.wssa.net](http://www.wssa.net)

### Western Society of Weed Science Annual Meeting

March 9-12, 2015  
Portland, Oregon  
[www.wsweedsociety.org](http://www.wsweedsociety.org)

### Western Invasive Weed Short Course

April 20-23, 2015  
Loveland, Colorado  
[www.mountainwestpest.com  
/ShortCourse.html](http://www.mountainwestpest.com/ShortCourse.html)

## Call for Papers and Posters for the 68th Annual Meeting of the WSWS - by Joe Yenish, Program Chair

68th Annual Meeting of the Western Society of Weed Science, Hilton Portland & Executive Tower, Portland, Oregon

The WSWS encourages all members to actively participate in the upcoming annual meeting to be held March 9 through 12, 2015 at the Hilton Portland & Executive Tower, Portland, Oregon. The most direct participation is to present a paper or poster. Meeting registration, presentation title submission, and abstract submission will begin on October 1, 2014. The ending date for paper and poster title submissions is December 1, 2014, while abstract submission deadline is February 1, 2015. The "cut and paste" method of loading titles and abstracts is a simple procedure and enables the program committee and editors to finalize the conference agenda and its proceedings quickly and efficiently. All title and abstract submissions can be done through our website at [www.wsweedsociety.org](http://www.wsweedsociety.org). As we've done previously, the WSWS and WSSA will share electronic title and abstract submission procedures.

The WSWS annual meeting is organized into the following five projects: Agronomic Crops, Horticultural Crops, Weeds of Range and Natural Areas, Basic Biology and Ecology, and Teaching and Technology Transfer. Oral presentations in these project sessions are limited to 15 minutes; a suggested 12- to 13-minute presentation followed by 2 to 3 minutes of questions and answers. Poster authors will have an opportunity to personally expand upon their research during designated poster sessions on Tuesday and Wednesday mornings. Graduate and undergraduate students are strongly encouraged to submit presentations to the student paper or poster contests. I hope everyone will consider submitting an oral or poster presentation to ensure that we have a well-balanced program at the upcoming meeting.

Thus far, there is one symposium session planned for the upcoming meeting. The symposium, "Using Various Laboratory Tests and Techniques to Aid in the Diagnosis of Suspected Herbicide Problems", will be led, by Dr. Bill Cobb, Cobb Consulting Services. The Symposium is designed to draw interested attendees among pest management practitioners and promote membership to the WSWS.

Items of special note:

The Board of Directors has agreed to hold the symposium on Monday, March 9, 2015, prior to the beginning of the annual meeting. This change from usual protocol is intended to increase attendance at the symposium and, potentially, increase attendance of the WSWS Annual Meeting. A second symposium is being considered during the meeting to further encourage annual meeting attendance. We continue to ask WSWS members to consider submitting symposium proposals for future meetings in Albuquerque in 2016 and Coeur d'Alene in 2017. Members are encouraged to creatively design and plan currently or regionally relevant topics for future symposia. Refer to the Spring 2014 issue of the WSWS Newsletter for instructions to submit symposium proposals.

The 2017 WSSA Annual Meeting will be held in Tucson, Arizona. The WSWS Board has requested that one or more symposium be developed and proposed for that meeting to draw attention to topics important to the WSWS. We recommend using WSWS Project Discussion Sessions at the upcoming Portland meeting to develop potential symposium for 2017 WSSA Annual Meeting in Tucson.

# Western Invasive Weed Short Course



April 20-23, 2015  
Loveland, Colorado

An intensive study of current technologies and best management practices associated with noxious and invasive weeds in the western United States. The course includes classroom lecture, hands-on demonstration, field plots, live weed and herbicide symptomology specimens, facilitated discussion, small group projects, educational games, and time for individual interaction with instructors.



#### What previous participants have said:

- ⇒ "Very enjoyable learning experience. Interaction with excellent trainers was much appreciated."
- ⇒ "Outstanding experience / superb trainers"
- ⇒ "Great training staff. Extremely knowledgeable and great applicable field understanding. Not just theory."
- ⇒ "Best 4 days I've ever spent in a classroom or lecture environment."
- ⇒ "Interaction/Networking opportunity = Great"
- ⇒ "Fun!"

#### For more information:

[www.mountainwestpest.com/ShortCourse.html](http://www.mountainwestpest.com/ShortCourse.html)

#### To register for the course:

Sandra McDonald  
970-266-9573

[Sandra@MountainWestPEST.com](mailto:Sandra@MountainWestPEST.com)



The Western Invasive Weed Short Course (WIWSC) is returning to Sylvan Dale Guest Ranch and is scheduled for April 20-23, 2015. The WIWSC is an intensive study of current technologies and best management practices associated with noxious and invasive weeds in the western United States. Participants gain up-to-date knowledge specific to invasive weed management with interactive sessions that include:

- Classroom lecture
- Hands-on demonstration
- Field plots
- Facilitated discussion
- Live weed and herbicide symptomology specimens
- Small group projects
- Educational games
- Time for individual interaction with instructors

The continued partnership with Sylvan Dale Guest Ranch allows us to provide some unique training opportunities. One of the truly unique features of the Short Course is the ability to have a long-term restoration plot. Sylvan Dale has worked with us to establish a fenced site where we have been able to demonstrate weed management combined with native grass establishment. The plots were designed in a way that allows the course participants to see the progression of control and restoration over a three-year period. A twilight weed walk is great way to see the ranch and start learning some weeds.

The 2015 WIWSC will be similar to the previous Courses, to see agendas please visit [http://www.mountainwestpest.com/Current\\_Course.html](http://www.mountainwestpest.com/Current_Course.html). The Organizing Committee builds the final agenda based on a pre-course survey of the registered participants to assess specific areas of participant interest. The pre-course survey will not be sent to participants until they have completed the registration process.

Our target participants are local, state, federal government, and other land managers throughout the western region desiring a better understanding of weed management. WIWSC is designed to benefit both those new to invasive plant management and experienced professionals seeking a comprehensive update in western invasive weeds and their management. The WIWSC instructors are from the Western Society of Weed Science.

Registration will open in the fall of 2014. Enrollment is limited and is accepted on a first-come, first-serve basis. Please contact Sandra McDonald, Course Coordinator, for additional information at (970) 266-9573 or [Sandra@MountainWestPEST.com](mailto:Sandra@MountainWestPEST.com).

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## Position Available

### New Mexico State University

**Weed Specialist/Assistant Professor** (75% Extension/25% Research). NMSU, Extension Plant Sciences. Ph.D. required in Weed Science, Agronomy, Plant Sciences or closely related field with emphasis on and/or experience in weed science.

The position will be based in Las Cruces, NM with statewide responsibilities and is housed in the Extension Plant Sciences Department (EPS) and Entomology, Plant Pathology, and Weed Science Department (EPPWS). The two departments collaborate seamlessly, including in the management of split appointments. EPS has a mission to extend research-based knowledge and technology that will enable producers, clientele and citizens to improve the quality of their lives and enhance the agricultural, economic, environmental and social well-being of New Mexico. EPS is comprised of specialists who work collaboratively to actively disseminate leading-edge technology to diverse clientele in New Mexico. EPPWS has a mission to provide academic instruction, research and service that focuses on managing pests in semi-arid ecosystems. Research and graduate advising opportunities are available within EPPWS. Facilities available include four 2000 sq. ft. laboratories and associated special rooms, with equipment such as Li-Cor photosynthesis meter; ultra- and high-speed centrifuges; fluorometer, growth chamber, HPLC and other state-of-art equipment shared by scientists in EPPWS. Two NMSU Agricultural Experiment Stations are located within the vicinity of Las Cruces, NM, which offers excellent opportunities for field-based research. Apart from these stations, there are ten other NMSU Agricultural Experiment Stations located across New Mexico offering opportunities for multi-locational research. Applicants should have a strong background in weed science and integrated weed management strategies. Knowledge of irrigated crop production and experience in extension work is desirable. The successful candidate will be responsible for a progressive statewide Extension educational program in weed science including annual and perennial weed management, weed identification and herbicide application for all cropping systems, agricultural commodities, and turf and landscape areas. Valid driver's license required; personal auto required, reimbursed at IRS rate per mile. Application must be submitted online by: 9/1/2014.

**For complete job description, qualifications and application process visit: <http://hr.nmsu.edu/jobs/>. Posting #1400121F**

**Direct questions to: Dr. John Idowu, Search Chair, [jidowu@nmsu.edu](mailto:jidowu@nmsu.edu), 575-646-2571**

# CALL FOR 2015 RESEARCH PROGRESS REPORTS

The WSWs Research Progress Report is published to make significant new weed science research in the West available with the least possible delay. Early dissemination of weed research data is an important aid in formulating recommendations and in planning research. We encourage members of WSWs to submit pertinent new research data for publication in the Research Progress Report.

The Research Progress Report is produced on a very tight schedule. In order to expedite publication, all reports must be submitted in a "camera ready" condition. The report must be prepared according to the specific directions outlined below. Reports that do not strictly adhere to the requirements will be returned to the author. The report will be rejected if there is not time to make the necessary changes.

Each contributor must:

1. Follow instructions carefully and completely.
2. Obtain two additional reviews of each report and have each reviewer *print their name* at the bottom of the index outline. The two reviewers can be anyone other than the senior author of the report. The two reviews are a requirement for publication.
3. Send the report(s) via e-mail with an index outline for each report. An index outline form will be available on the website. Remember, the report will be printed as received.
4. Adhere strictly to the submission **deadline of January 6, 2015.** **Send an electronic copy** as a Microsoft Word file (doc or xdoc) or as an Acrobat file (pdf) attached via e-mail to [trauch@uidaho.edu](mailto:trauch@uidaho.edu). **After submission, a reply will be sent upon receipt of a report. No reply means no report was received.**

Questions? Please contact: Traci Rauch  
208-885-9709  
[trauch@uidaho.edu](mailto:trauch@uidaho.edu)

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## GUIDELINES FOR RESEARCH PROGRESS REPORTS

WSWS will not retype or make typographical corrections on papers submitted for the WSWs Research Progress Report. It is the responsibility of the author to submit each report in a ready for publication condition following these guidelines:

**FORMAT:** Paper must be white 8.5 by 11 inch. Margins must be one inch on all sides. Please use **full justification** (this means both right and left margins are aligned). Type all text using **10 pt (Times New Roman)** font. All text should be single spaced. Either English or metric units are acceptable. However, do not mix English and metric units (Some exceptions may apply – e.g., CEC is expressed best in metric units as meq/100g). Do not type page numbers. Reports will be printed as received.

**TITLE:** Begin title at the left margin. Capitalize only the first letter of the first word. Underline the entire title. End the title with a period.

**AUTHORS:** Begin the authors name (first, middle initial, last) following the title of the paper. End list of authors with a period. Briefly list the author's affiliation and mailing address in parentheses - e.g. (Weed Research Laboratory, Colorado State University, Fort Collins, CO 80523)

**BODY OF TEXT:** The report should clearly present the objectives of the research, methods, and results. Double space or indent between paragraphs.



**Abbreviations:** Use abbreviations as shown in the Scientific Style and Format: The *CBE Manual for Authors, Editors, and Publishers* and as commonly used in *Weed Science* or *Weed Technology*. Abbreviations for weeds can be used in the tables. **Do not abbreviate the word inch.** Do not place a period after the abbreviation unless its omission could cause confusion. Abbreviations not shown in the *CBE Manual* (**including Bayer codes**) should be introduced in parentheses immediately after their first use in the text or footnoted if used in a table.

**Numbers:** Use Arabic numerals for numbers with two or more digits and for measurements of time, weight, and degrees, except when the number is the first word of a sentence. Spell out numbers less than 10 or when they are the first word of a sentence, except when they constitute a series in which one number has two or more digits. Write 10 by 20 rather than 10 x 20 and 1 to 5 rather than 1-5 except in tables where space is limited. Use decimals instead of fractions (0.5, not ½). Place zero at left of decimal (0.5, not .5).

**Plant names:** Weeds can be appropriately identified in the text by using the WSSA-accepted common names [*Weed Science*, 32 (Supplement 2): 1984 with *Weed Science* 36:850-851, 1988; Composite List of Weeds, available from WSSA; or WSSA.net].

**Chemical names:** Herbicides can be properly identified by the WSSA-accepted common name (appears in the back of *Weed Science* Vol. 54 issue No. 6). Other herbicides may be identified by giving the code number followed by the chemical name in parentheses. Do not use trade names in the title of the paper. If the trade name of a chemical (herbicide or adjuvant) appears in the paper, the author must supply a suitable justification statement for using the trade name; this statement is to be given on the index outline.

**Herbicide rates:** Express rates as active ingredient (ai) or acid equivalent (ae) (whichever applies), not as formulated material. When necessary, it is appropriate to mention a specific formulation, such as the specific ester or salt utilized in the research.

**TABLES AND FIGURES:** Use **10 pt (Times New Roman)** font. If space is limiting, font size may be reduced to as low as 8 pt. Single-space all tables. **Table width should be the size of the paper with margins one inch on all sides.** Tables may be landscape or portrait. Type the word “Table” with an uppercase “T” at the top of the table and follow it with a period. Do not use a table number unless the report has more than one table. Please note the following in the example table at the end of the guidelines: a) the unit designation for each column is below the line; b) only the first letter in each column heading and treatment is capitalized; c) a zero precedes each decimal (0.5, not .5); d) herbicide common names are written out when possible and necessary herbicide abbreviations are spelled out in a footnote; and e) use + to indicate herbicide tank mixtures and / to indicate herbicide premixtures. Use superscript numbers (<sup>1,2,3</sup>, etc.) to indicate footnotes for tables. Begin the word “Figure”, **below the Figure**, with a capital “F” and follow it with a period. Do not number the figure unless the paper has more than one figure. Figures that will reproduce well are acceptable.

**INDEX OUTLINE:** To enhance the publishing procedure, an index outline for each paper must be prepared by the author and submitted to the editors. The outline will include: Title of paper, author(s), Project, list of crops, list of weeds, list of herbicides, keywords, and reviewers’ names. Choose the appropriate Project for your report. Projects are: 1. Range and Forest; 2. Horticultural Crops; 3. Agronomic Crops; 4. Teaching and Technology Transfer; 5. Wetlands and Wildlands; and 6. Basic Sciences. Authors must identify **weeds and crops by common and scientific binomial name and authority on the index outline.** Chemicals (herbicide and adjuvant) must be listed by common name **and trade name** or code number. Papers submitted without a **current** index outline will be returned. Attach the completed electronic index outline to the e-mail.

**REJECTED REPORTS:** Any report submitted that does not conform to the guidelines will not be published. Editors may, at their discretion, work with the author to correct the report if time permits.

**INDEX OUTLINE FOR WSWR RESEARCH PROGRESS REPORTS**  
**Complete one for each report.**

1. TITLE:

2. AUTHOR'S NAMES:

3. CORRESPONDING AUTHOR:

*Email*

*Phone number*

*Address*

4. PROJECT (see choices under **INDEX OUTLINE**):

5. CROP(S) INVESTIGATED (List alphabetically by common name. **Include scientific binomial name plus authority**):

6. WEED(S) INVESTIGATED [List alphabetically by WSSA-approved common name. **Include scientific binomial name plus authority**. Many weeds can be found in COMPOSITE LIST OF WEEDS, Weed Science 32 (Supplement 2): Revised 1989 or at WSSA.net]:

7. HERBICIDES AND **ADJUVANTS** INVESTIGATED (List alphabetically by common name or code number AND include **trade name**):

8. KEYWORDS (examples biocontrol, direct-seed, herbicide resistant). Do not include words listed above in crop, weed, herbicide or adjuvant:

REVIEWS BY TWO PERSONS IN ADDITION TO SENIOR AUTHOR: I have reviewed the attached report and find the content to be appropriate and presented in the proper style for publications in the WSWR Research Progress Report.

Name \_\_\_\_\_

Name \_\_\_\_\_

Title \_\_\_\_\_

Title \_\_\_\_\_

Affiliation \_\_\_\_\_

Affiliation \_\_\_\_\_

## EXAMPLE: RESEARCH PROGRESS REPORT

Weed control in imidazolinone-resistant winter wheat with imazamox. Traci A. Rauch and Donald C. Thill. (Plant Science Division, University of Idaho, Moscow, ID 83844-2339) A study was established in 'Fidel' imidazolinone-resistant winter wheat to examine weed control in 2001 and herbicide soil persistence in 2002 with imazamox. Wheat was seeded on October 3, 2000. Plots were 16 by 32 ft arranged in a randomized complete block design with four replications. All herbicide treatments were applied using a CO<sub>2</sub> pressurized backpack sprayer calibrated to deliver 10 gpa at 30 psi and 3 mph (Table 1). Wheat injury and weed control were evaluated visually on June 7, 2001. Wheat seed was harvested with a small plot combine on August 7, 2001. In spring 2002, each plot will be planted to spring barley and yellow mustard to evaluate soil persistence of imazamox.

Table 1. Application and soil data.

		Moscow, Idaho	
Location			
Application date	November 2, 2000		April 24, 2001
Wheat growth stage	1 leaf		3 to 5 tiller
Volunteer barley growth stage	2 leaf		2 to 3 tiller
Air temperature (F)	50		50
Relative humidity (%)	73		86
Wind (mph, direction)	2, E		4, E
Cloud cover (%)	30		10
Soil temperature at 2 in (F)	44		40
pH		4.7	
OM (%)		2.8	
Texture		loam	

No treatment visibly injured wheat on June 7, 2001 (data not shown). All treatments controlled volunteer barley 98% or better (Table 2). Wheat grain yield (89 to 99 bu/A) was better with all treatments compared to the untreated check. Test weight (56 to 60 lb/bu) did not differ among treatments or from the untreated check.

Table 2. Weed control, wheat yield and test weight with imazamox near Moscow, Idaho in 2001.

Treatment <sup>1</sup>	Rate lb ai/A	Application timing	Volunteer barley control %	Wheat	
				Yield bu/A	Test weight lb/bu
Imazamox	0.04	fall	99	96	60
Imazamox	0.08	fall	98	95	60
Imazamox	0.04	spring	99	99	59
Imazamox	0.08	spring	99	99	56
Imazamox + MCPA amine	0.04 + 0.25 <sup>2</sup>	spring	99	95	59
Imazamox + thifensulfuron/tribenuron	0.04 0.016	spring	98	97	59
Untreated check			--	89	59
LSD (0.05)			NS	5	NS
Density (plants/ft <sup>2</sup> )			1		

<sup>1</sup>All treatments were applied with 90% nonionic surfactant (R-11) at 0.25 % v/v and 32% urea ammonium nitrate (URAN) at 1qt/A.

<sup>2</sup>MCPA amine rate is expressed as lb ae/A.

**(EXAMPLE)**  
**INDEX OUTLINE FOR WSWs RESEARCH PROGRESS REPORTS**  
**Complete one for each report.**

1. TITLE: Weed control in imidazolinone-resistant winter wheat with imazamox

2. AUTHOR'S NAMES: Traci Rauch and Donn Thill

3. CORRESPONDING AUTHOR:

*Email*               trauch@uidaho.edu  
*Phone number*   (208) 885-9709  
*Address*           University of Idaho  
                          PSES Dept.  
                          PO Box 442339  
                          Moscow, ID 28244-2339

4. PROJECT (see choices under **INDEX OUTLINE**):       3. Agronomic Crops

5. CROP(S) INVESTIGATED (List alphabetically by common name. **Include scientific binomial name plus authority**):

wheat, winter (*Triticum aestivum* L.)

6. WEED(S) INVESTIGATED [List alphabetically by WSSA-approved common name. **Include scientific binomial name plus authority**. Many weeds can be found in COMPOSITE LIST OF WEEDS, Weed Science 32 (Supplement 2): Revised 1989 or at WSSA.net]:

barley, volunteer (*Hordeum vulgare* L.)

7. HERBICIDES AND **ADJUVANTS** INVESTIGATED (List alphabetically by common name or code number AND include **trade name**):

imazamox (Beyond)	thifensulfuron (Harmony Extra XP)
MCPA (MCPA 4 Amine)	tribenuron (Harmony Extra XP)
non-ionic surfactant (R-11)	urea ammonium nitrate (URAN)

8. KEYWORDS (examples biocontrol, direct-seed, herbicide resistant). Do not include words listed above in crop, weed, herbicide or adjuvant:

persistence  
plantback

REVIEWS BY TWO PERSONS IN ADDITION TO SENIOR AUTHOR: I have reviewed the attached report and find the content to be appropriate and presented in the proper style for publications in the WSWs Research Progress Report.

Name \_\_\_\_\_ Name \_\_\_\_\_

Title \_\_\_\_\_ Title \_\_\_\_\_

Affiliation \_\_\_\_\_ Affiliation \_\_\_\_\_

## Jill Schroeder Moves to USDA-Office of Pest Management Policy

After 27 years at New Mexico State University, Dr. Jill Schroeder, Distinguished Research Professor of Weed Science, has accepted a new position in the Office of Pest Management Policy-USDA, effective August 1, 2014. Her new contact information is: [Jill.Schroeder@ars.usda.gov](mailto:Jill.Schroeder@ars.usda.gov) Office Phone: (202) 720-0066 Mobile Phone: (202) 815-0588. USDA/ARS/Office of Pest Management Policy, 1400 Independence Avenue, S.W., Room 3871-South Building (MS-0314), Washington, DC 20250-0314.

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### North American Invasive Species Management Association

Cordially Invite You to our Annual Conference

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# CALL FOR NOMINATIONS: DISTINGUISHED ACHIEVEMENT AWARDS

Everyone knows of some skilled and outstanding weed scientists in the western region who have contributed a great deal over the years and deserve our recognition and appreciation. One way to recognize such persons is to nominate them for a WSWS award. Please take the time and nominate an individual for one of awards listed below.

## *CRITERIA USED FOR EVALUATING NOMINATIONS*

Awards are based on merit and impact on weed science and weed management practices. Applicants **MUST BE** a member of WSWS. Professional achievements and their impacts are the principal criteria for receiving these awards. There is no requirement that an award be given in any or every category. Past winners are not eligible again in the same category. An award may be given each year in both the private and public sectors for Outstanding Weed Scientist and Outstanding Weed Scientist – Early Career. Only one award may be given each year for Weed Manager and Professional Staff. Within the guidelines for each category, there is flexibility to fit the nominee.

### **I. OUTSTANDING WEED SCIENTIST**

This award recognizes outstanding achievements in weed science from individuals in both the public and private sectors. Principle criteria for this award includes innovative or unique approaches that result in learning, ability to clearly communicate ideas, motivation of the intended audience, demonstrate excellence and creativity in research accomplishments, applying results to solve problems in weed science, the impact on weed management practices and principals of weed science, and recognition of accomplishments by peers and intended audiences.

### **II. OUTSTANDING WEED SCIENTIST – EARLY CAREER**

This award is to be given to members in the private and public sectors with no more than 10 years of service after completion of their terminal degree. This award recognizes outstanding achievements in weed science early in the individual career with the same criteria as the outstanding weed scientist above.

### **III. WEED MANAGER**

This award recognizes outstanding and sustained contributions in support of weed science activities. This award is intended for those paid by taxpayers and are working in the public sector, such as employees of state departments of agriculture, weed boards, public land managers, and vegetation management personnel. The nominee must have been involved in the WSWS and weed science for at least five years at the time of nomination.

### **IV. PROFESSIONAL STAFF**

This award recognizes outstanding and sustained contributions in support of weed science activities. Nominees will be restricted to individuals that work under the direction of university, federal, or industry scientists. These individuals may have titles such as researcher, research associate, technician, support scientist, or specialist. The nominee must have been involved in the WSWS and weed science research, extension, or resident education for at least five years at the time of nomination.

## **NOMINATION DEADLINE:**

Nominations must be received by **October 1, 2014**.

## **NOMINATOR'S RESPONSIBILITY:**

The nominator will submit a nomination document following the "Instructions for Nomination" guideline. The nominator is responsible for obtaining three letters of support and including them with the nomination package. Unsuccessful nominations will remain active for three years; however, an updated nomination packet of holdover candidates is encouraged.

The nomination package, including the supporting letters, should be sent, by email, to the chair of the Awards Committee by **October 1, 2014**:

Carol-Mallory-Smith  
Professor – Weed Science  
Dept. of Crop and Soil Science  
Oregon State University  
Corvallis, OR 97331  
Phone: (541) 737-5883  
Email: [Carol.Mallory-Smith@oregonstate.edu](mailto:Carol.Mallory-Smith@oregonstate.edu)

# WASHINGTON REPORT

August 10, 2014  
Lee Van Wychen

## **Fiscal Year (FY) 2015 USDA Appropriations**

The FY 2015 appropriations process was in full swing as the Administration released its budget request in April and the House and Senate marked up their draft USDA budget in May. However, with the defeat of House Majority Leader Cantor in his primary and the unwillingness of the Senate to take “tough votes” on germane amendments, appropriations activity has screeched to a halt. The House managed to pass 8 of the 12 appropriations bills prior to August recess, but the Senate has not yet passed any of its appropriations bills. It is highly likely there will be a continuing resolution funding the government through at least the November elections. Included in the table is the enacted budget for each of the USDA agencies in FY 2014, followed by the proposed FY 2015 numbers from the Administration, House and Senate. The USDA Animal and Plant Health Inspection Service (APHIS), Economic Research Service (ERS), National Agricultural Statistics Service (NASS) and the National Resource Conservation Service (NRCS) are all slated for higher budgets by the Administration, House and Senate compared to FY 2014. The Administration’s budget for the Agricultural Research Service (ARS) is down 1.6% percent to \$1.104 billion compared to FY 2014 while the Senate proposed a \$17 million increase for ARS compared to FY 2014. The Administration proposed a 4.4% increase for the USDA National Institute of Food and Agriculture (NIFA) to \$1.335 billion compared to FY 2014 while the House proposed a NIFA budget for FY 2015 that’s a smidge lower than its \$1.277 billion it received this year.

USDA Agency	FY 2014	FY 2015 President	FY 2015 House	FY 2015 Senate
	(in thousands of dollars)			
APHIS	821,721	834,341	867,705	872,414
ARS	1,122,482	1,104,403	1,120,253	1,139,673
ERS	78,058	83,446	85,784	85,373
NASS	161,206	178,999	169,371	178,154
NIFA	1,277,067	1,335,536	1,273,804	1,292,448
NRCS	812,939	814,772	843,053	849,295

Within NIFA, the Agriculture and Food Research Initiative (AFRI) is proposed to increase 2.8% from \$316 million to \$325 million in all three FY 2015 budget proposals. Similarly, all three budget proposals for FY 2015 from the Administration, the House, and the Senate have the Hatch Act staying at \$244 million, the Smith Lever 3b and 3c funding for extension staying at \$300 million, and IR-4 program funding staying at \$11.9 million. The new Farm Bill that was passed in February also revived 2 programs that would have expired. The Specialty Crop Research Initiative (SCRI) will get \$80 million per year in mandatory funding. The Organic Agriculture Research and Extension Initiative (OREI) will get \$20 million per year.

## **USDA NIFA Crop Protection and Pest Management (CPPM) Funding**

CPPM is a new budget line item that repackages the following funding authorities: the Pest Management Alternatives Program, the IPM grants program, the Regional IPM Centers funding, and the Extension IPM (E-IPM) Coordinators program. CPPM received \$17.1 million in funding for FY 2014 and is expected to see the same next year. Over half of the CPPM funding authority is derived from E-IPM capacity funds (\$9.9 million). While the RFA for the CPPM closed in June, the Science Policy Committee would like to pass along some information regarding the distribution of funds among the pest management disciplines for the E-IPM program. Each eligible institution must submit a 3 year proposal for the E-IPM funds at \$300,000 max per year. There is only one proposal allowed for an institution. With the “repackaging” of the E-IPM funds into CPPM, there will now be up to a 30% indirect cost charge. However, USDA is hoping that universities take less than the 30% rate. The process of developing each institution’s proposal is the responsibility of the Director of Cooperative Extension. The Director puts together the writing team and vets the proposal before submission. The 2014 directory of State Extension Service Directors and Administrators can be [found here](#). Every state is a little different in terms of how the E-IPM application process works and who is the lead P.I. for the E-IPM funds

proposal. Some states have very good “team efforts” among the pest management disciplines. Other states are completely run by one pest management discipline or another. If your institution is not inclusive of all pest disciplines (specifically Weed Science) please let me know.

### **House and Senate Direct Spending Towards Herbicide Resistance**

The FY 2015 agriculture appropriation bills from the House and Senate both contain directives to the various USDA agencies to help improve herbicide resistance management. In the Senate Ag Appropriations Committee bill under the USDA research programs it states: *“Herbicide resistant weeds are a major threat to food, feed, and fiber production in the United States and the problem is expected to continue to increase in size and scope. Current funding for research and extension is woefully inadequate. The Committee is concerned that the lack of research based information significantly delays developing effective management strategies to address the herbicide resistance problem. The Committee encourages **NIFA**, in conjunction with **ARS** and land-grant institutions, to conduct research that will more comprehensively address herbicide resistance. Research may include: identification of herbicide resistant weed populations or those most likely to develop resistance, characterization of mechanisms of resistance, and development of innovative weed management strategies to overcome current resistance problems and delay or prevent future ones. In addition, effective and widespread dissemination of results to farmers, foresters, and rights of way land managers through extension and outreach will be critical to the success of this endeavor.”*

The Senate Ag Appropriations Committee also has directives for the **NRCS** addressing a variety of weed science related issues including promoting the adoption of cover crops, addressing the threats posed by invasive plant species, and herbicide resistance. Specifically: *“**Herbicide Resistance**- The Committee is concerned that pigweed has seriously endangered conservation tillage and has increased herbicide costs by more than 70 percent for some crops. In an effort to address herbicide-resistant weeds and associated environmental concerns, agricultural advisors and producers have become increasingly more aggressive with conservation planning and practice implementation to solve this issue. The Committee directs **NRCS** to ensure agency staff, partners, and producers are aware of new and interim conservation practice standards and conservation activity plans to address herbicide-resistant weeds, such as pigweed, and that financial assistance through certain conservation programs is available to assist producers in their efforts to control these weeds.”*

The House Ag Appropriations committee has similar directives to manage invasive weeds and herbicide resistance in its markup language. *“**Cheat Grass Eradication**. —The Committee encourages **ARS** to continue research on cheat grass eradication, control, and the reduction of fuel loads, including late-season grazing techniques, and to work with the **NRCS** on this effort”. **Herbicide Resistance**. The Committee reminds **NRCS** of the challenges many producers are facing due to the spread of herbicide-resistant weeds and encourages it to ensure agency staff, partners, and producers are aware of conservation practice standards and conservation activity plans to address herbicide-resistant weeds, and that financial assistance through certain conservation programs is available to assist producers in their efforts to control these weeds. **Invasive Annual Grasses**.—The Secretary is encouraged to consider targeted herbicide treatments of invasive annual grasses and restoration efforts to compliment juniper control efforts on greater sage-grouse habitat on private rangelands.*

### **Aquatic Plant Research Gets \$5 million Boost**

On June 10<sup>th</sup>, the president signed into law the Water Resources Reform and Development Act of 2014 (WRRDA). This follows Congressional approval of the conference agreement reached in May by House and Senate negotiators that resolved the differences that occurred over 6 months between each chamber’s versions of the water resources reauthorization legislation. Within WRRDA, there is language for aquatic invasive species prevention and management, as well as a review of existing Federal authorities related to responding to invasive species, including aquatic weeds. WRRDA increases the authorization of funding from \$15 million to \$20 million per year that supports the U.S. Army Corps of Engineers’ (ACOE) Aquatic Plant Control Research Program (APCRP), the nation’s only federally authorized program for research and development of science-based management strategies for invasive aquatic weeds. WRRDA also authorized \$20 million in new annual funding to establish watercraft inspection stations in the Columbia River Basin to be located in the States of Idaho, Montana, Oregon, and Washington at locations with the highest likelihood of preventing the spread of aquatic invasive species at reservoirs operated and maintained by the ACOE.



However, you may be aware that while APCRP was authorized at \$15 million per year for the past 20 years, the most they were appropriated was \$6 million, and over the last few years we have had to scratch tooth and nail to get \$4 million in funding appropriated. The expertise and institutional knowledge encompassed by APCRP is very underrated and often gets overlooked in the \$1.6 billion construction account the ACOE oversees. The good news is that there was broad bipartisan support from both chambers on final passage of the WRRDA conference agreement. In addition, WRRDA expanded the scope of research directed to control not just aquatic plant growths, but all aquatic invasive species. Specifically, the authorizing language will now read: *"There is hereby authorized a comprehensive program to provide for prevention, control, and progressive eradication of noxious aquatic plant growths and aquatic invasive species from the navigable waters, tributary streams, connecting channels, and other allied waters of the United States, in the combined interest of navigation, flood control, drainage, agriculture, fish and wildlife conservation, public health, and related purposes, including continued research for development of the most effective and economic control measures, to be administered by the Chief of Engineers, under the direction of the Secretary of the Army, in cooperation with other Federal and State agencies."*

### **NPDES Fix Bill Passes House**

On July 31, the House passed H.R. 935, the Reducing Regulatory Burdens Act of 2014, by a 267-161 vote. The bill clarifies Congressional intent of having the application of pesticides regulated under FIFRA and "fixes" a 2009 Circuit Court ruling that forced EPA to issue additional National Pollutant Discharge Elimination System (NPDES) permits under the Clean Water Act for application of pesticides in, over, or near water. This legislation was passed in the House in the 112<sup>th</sup> Congress as well, but faces the same problem once again in the Senate where we know a majority of the Senators would support the bill (S. 802 in the Senate), but one or two Senators are being obstructionist. I encourage you to contact the Chair of the Senate Environment and Public Works Committee, Sen. Boxer (CA) and voice your support for S. 802.

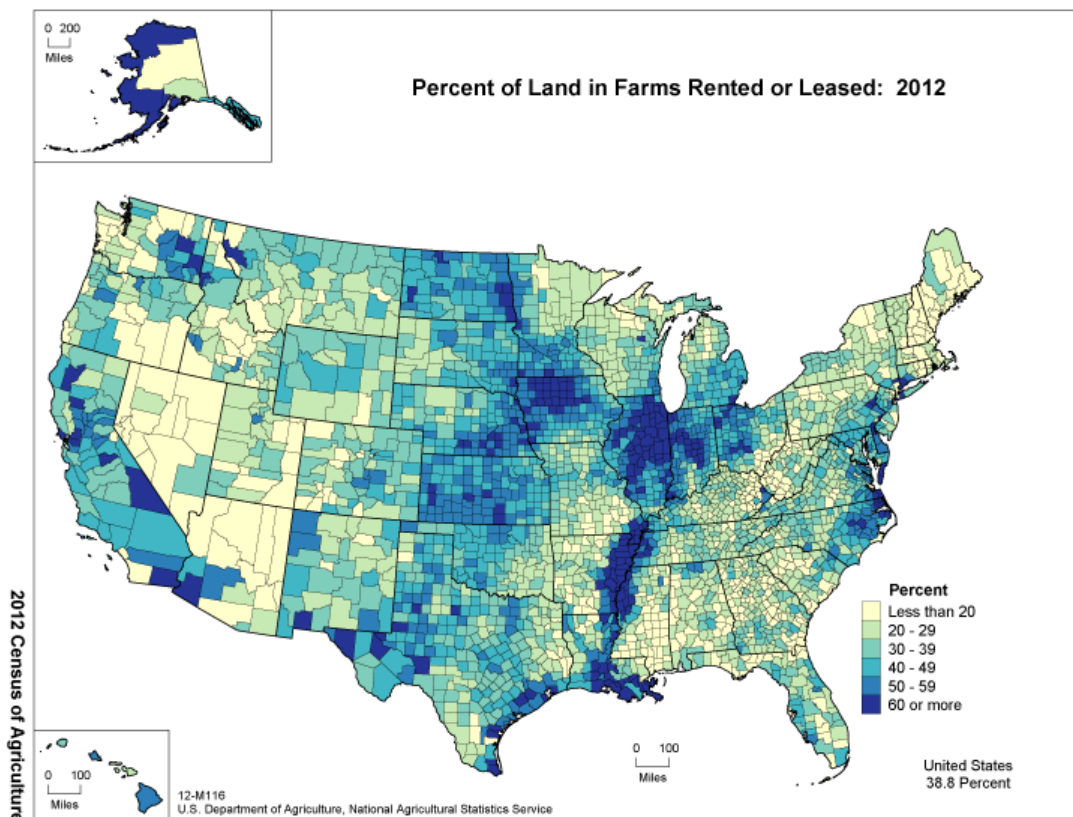
### **Controversy Abounds on WOTUS**

On April 21, the EPA and Army Corp of Engineers jointly published a rule meant to clarify what are Waters Of The United States (WOTUS). The proposed rule would expand Clean Water Act (CWA) jurisdiction to almost all waters in the United States subjecting thousands of streams, ditches, and other "small" waters to federal permitting and citizen lawsuits, impacting how communities and landowners manage their public and private property. The proposed rule states that all streams, as well as all waters and wetlands located in floodplains and riparian corridors, share a connection or "nexus" to downstream, traditionally regulated waters and are therefore subject to default regulation. The proposed definition includes a number of imprecise and broadly-defined terms such as 'adjacent,' 'riparian area' and 'floodplain' that do not clearly delineate which waters are covered. For the first time, 'tributary' is defined and includes bodies of water such as manmade and natural ditches. 'Other waters' also may be subject to the jurisdiction of the CWA on a case-by-case basis if there is a 'significant nexus' to traditional navigable water. The expanded jurisdiction and the imprecision of the terms used by the agencies may result in significant added legal and regulatory costs. Farmers, ranchers, home builders and home owners that conduct activities and projects on lands with WOTUS designation will be directly affected. Permits may be required for removing debris and vegetation from a ditch, applying a pesticide, or building a fence or pond. In addition, landowners will be subject to citizen lawsuits under CWA provisions, challenging their ability to manage their own property. Opponents of the rule say that clarification is not necessary because EPA and the Corps already have authority under the CWA to prosecute illegal dumping. Under section 402 of the CWA, unpermitted discharges of pollutants that reach jurisdictional waters either directly or indirectly are unlawful. EPA is taking comments on the proposed rule from now through Monday, October 20, 2014 and has already received over 3.5 million comments. To submit your comments via the Federal Register, please go to: <https://www.federalregister.gov/articles/2014/04/21/2014-07142/definition-of-waters-of-the-united-states-under-the-clean-water-act#p-5>

### **USDA-NASS Releases 2012 Ag Census**

On May 2, USDA's National Agricultural Statistics Service (NASS) released the final results of the 2012 Census of Agriculture, which is the 28<sup>th</sup> Federal census of agriculture and the 4<sup>th</sup> conducted by USDA. The census of agriculture provides a detailed picture of U.S. farms and ranches every five years. It is the only source of uniform, comprehensive agricultural data for every State and county or county equivalent.

The USDA Census of Agriculture homepage is: <http://www.agcensus.usda.gov/>



### **USDA-ERS Publishes Pesticide Use Report**

The USDA Economic Research Service (ERS) published an 86 page Economic Information Bulletin in May titled “Pesticide Use in U.S. Agriculture: 21 Selected Crops, 1960-2008”. The report examines trends in pesticide use in U.S. agriculture from 1960 to 2008, focusing on 21 crops that account for more than 70 percent of pesticide use, and identifies the factors affecting these trends. The report can be [found here](#).

### **Jill Schroeder Takes USDA-OPMP Weed Science Position**

I am very excited to have some new neighbors and fellow weed scientists in Washington DC. On July 27<sup>th</sup>, Dr. Jill Schroeder started in her new position at the USDA Office of Pest Management Policy (OPMP) as the weed science/agronomy specialist. I know most of you in WSWS are very familiar with Jill’s work at New Mexico State University and her work and leadership within WSWS as both a past-president and fellow. Dr. Schroeder fills the position vacated by Dr. Harold Coble who retired in January 2014. Jill’s new email is [Jill.Schroeder@ars.usda.gov](mailto:Jill.Schroeder@ars.usda.gov) and phone: (202) 720-0066.

The USDA Office of Pest Management Policy (OPMP) was established in September 1997, with the mandate to: 1) Integrate the Department’s strategic planning and activities related to pest management; 2) Coordinate the Department’s role in the pesticide regulatory process and related interagency affairs, primarily with the Environmental Protection Agency; and 3) Strengthen the Department’s support for agriculture by promoting the development of new pest management approaches that meet the needs of an evolving and sustainable U.S. agricultural system. Dr. Sheryl Kunickis currently serves as the Director of USDA-OPMP.

### **Foundation for Food Agricultural Research (FFAR) Board Selected**

On July 23<sup>rd</sup>, USDA Secretary Tom Vilsack announced the creation of FFAR and the appointment of a 15-member board of directors. The new foundation will leverage public and private resources to increase the scientific and technological research, innovation, and partnerships critical to boosting America’s agricultural economy. Authorized by Congress as part of the 2014 Farm Bill, the foundation will operate as a non-profit corporation seeking and accepting private

donations in order to fund research activities that focus on problems of national and international significance. Congress also provided \$200 million for the foundation which must be matched by non-federal funds as the Foundation identifies and approves projects. FFAR's board of directors was chosen to represent the diverse sectors of agriculture. Seven of these board members were selected by the unanimous vote of the board's five ex-officio members from lists of candidates provided by industry, while eight representatives were unanimously elected from a list of candidates provided by the National Academy of Sciences. The 15 FFAR Board Members are:

- Dr. Kathryn Boor - the Ronald P. Lynch Dean of the College of Agriculture and Life Sciences, Cornell University
- Dr. Douglas Buhler (Weed Scientist) - Director of AgBioResearch and Senior Associate Dean for Research for the College of Agriculture and Natural Resources, Michigan State University
- Dr. Nancy Creamer - Distinguished Professor of Sustainable Agriculture and Community Based Food Systems, North Carolina State University
- Dr. Deborah Delmer - Professor Emeritus of Biology, University of California-Davis
- The Honorable Dan Glickman (CHAIR)- former U.S. Secretary of Agriculture, current Executive Director of the Aspen Institute's Congressional Program
- Dr. Robert Horsch - Deputy Director, Bill & Melinda Gates Foundation
- Pamela Johnson - Chairwoman, National Corn Growers Association
- Dr. Mark E. Keenum (VICE CHAIR) - President, Mississippi State University
- Dr. Michael Ladisch - Director of the Laboratory of Renewable Resources Engineering and Distinguished Professor of Agricultural and Biological Engineering, Purdue University
- Dr. Christopher Mallett - Vice President of Research & Development, Cargill, Inc.
- Dr. Pamela Matson - Chester Naramore Dean of the School of Earth Sciences, the Richard and Rhoda Goldman Professor of Environmental Studies and Senior Fellow at the Woods Institute for the Environment, Stanford University
- Dr. Terry McElwain - Associate Director and Professor, Paul G. Allen School for Global Animal Health, and Executive Director, Washington Animal Disease Diagnostic Laboratory, Washington State University
- Dr. Stanley Prusiner - Director of the Institute for Neurodegenerative Diseases and Professor of Neurology, University of California-San Francisco and 1997 Nobel laureate in physiology or medicine
- Dr. Yehia "Mo" Saif - Professor Emeritus, the Ohio State University
- Dr. Barbara Schaal - Dean of the Faculty of Arts & Sciences and Mary-Dell Chilton Distinguished Professor at Washington University in St. Louis.

More detailed biographical information for the FFAR Board of Directors can be found here:

<http://www.ars.usda.gov/is/FFARBios2014.pdf>

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# **ELENA SANCHEZ MEMORIAL WSWs OUTSTANDING STUDENT SCHOLARSHIP PROGRAM**

The Western Society of Weed Science is pleased to offer the WSWs Outstanding Student Scholarship to promote greater student participation at the WSWs annual meeting and encourage new weed science research and future weed science careers. Scholarships will be awarded to three outstanding undergraduate and/or graduate WSWs student members who will attend and present at the WSWs annual meeting.

## **SCHOLARSHIPS**

A total of \$3,000 (three \$1,000 scholarships) will be awarded to outstanding undergraduate and/or graduate WSWs student members currently conducting research relevant to weed science. The scholarship money may be used to defray research costs, as a stipend, and for travel to the WSWs annual meeting.

To ensure scholarship money can be used for travel to the annual meeting, selections will be made and participants notified of the committee's decision by November 1, 2014.

## **ELIGIBILITY**

Applicants must be an undergraduate or graduate student enrolled in a degree program (B.S., M.S., or Ph.D.) at an accredited college or university in the western region (see <http://www.wsweedscience.org/Society/aboutus.asp> for a list of states), and actively conducting research related to weed science. Applicants must be current WSWs members at the time of application. Applicants must present a paper or poster at the WSWs annual meeting held in the first part of March. Visit [Western Society of Weed Science » Annual Meeting](#) for meeting details.

## **APPLICATION PACKAGE**

1. Completed and signed Application Form (found at the end of this document).
2. One-page cover letter describing how applicant became interested in weed science, how applicant's research will contribute to the field of weed science and the WSWs objectives, and what future contributions applicant hopes to make to the field of weed science including career goals.
3. 1/2-page CV or resume summary highlighting recent relevant experience through schooling, work and/or internships; awards, honors, publications, leadership positions, community activities.
4. Draft abstract (general plan) for paper or poster presentation at WSWs annual meeting.
5. Two letters of support, one of which must be from the student's graduate or major advisor. Recommenders should be familiar with the applicant's abilities, interests, and career goals.
6. Academic transcripts (unofficial copy is acceptable).

## **SELECTION CRITERIA**

Applicants will be evaluated based on contribution of research to the discipline of weed science and to the WSWs objectives, academic record and scholarly achievements, potential contributions to the future of weed science, and participation in extracurricular pursuits contributing to the advancement of any of the following: weed science, natural resource management, and/or education and mentoring.

\*Note: Undergraduate and graduate applicants will be evaluated separately. Students are eligible to receive a scholarship once during the undergraduate or graduate studies.

## ADDITIONAL REQUIREMENTS

In addition to presenting their research at the annual meeting, recipients must volunteer approximately 4 hours assisting with various tasks at the meeting, as well as submit a brief research summary (objectives, methods, results; 1 page maximum) upon completion of their project for publication in the WSWS newsletter.

## HOW TO APPLY

Applications must be submitted electronically. All documents (application form, cover letter, CV summary, academic transcripts, draft abstract and two letters of support) should be compiled into a single PDF file (preferred) or combined into a single zip folder and sent to WSWS Awards Committee Chair **Carol Mallory-Smith** ([carol.mallory-smith@oregonstate.edu](mailto:carol.mallory-smith@oregonstate.edu)).

**DEADLINE FOR APPLICATIONS is 5:00 PM (MST) October 1, 2014.**

Incomplete applications will not be considered. Scholarship winners will be contacted by November 1, 2014 and recognized at the Annual Meeting. For questions please contact WSWS Student Section Liaison Chair Marcelo Moretti ([mlmoretti@ucdavis.edu](mailto:mlmoretti@ucdavis.edu)).

The Western Society of Weed Science is a professional and scientific society of western weed scientists and managers. Members include research scientists, vegetation managers, agency personnel, and industry representatives interested in all aspects of weed biology, ecology, and management.

The objectives of WSWS are:

- To foster and encourage education and research in weed science
- To foster cooperation among state, federal and private agencies in solution of weeds
- To support legislation governing weed control programs, weed research and education
- To support the Weed Science Society of America and foster state and regional organizations and agencies interested in weed control

**Western Society of Weed Science Outstanding Student Scholarship  
APPLICATION FORM**

<p><b>INSTRUCTIONS:</b> This application is to be completed by the student-applicant. Applications must be submitted electronically. All documents (application form, cover letter, CV summary, academic transcripts, draft abstract and two letters of support) should be compiled into a single PDF file (preferred) or combined into a single zip folder and sent to <b>Carol Mallory-Smith</b> (<a href="mailto:carol.mallory-smith@oregonstate.edu">carol.mallory-smith@oregonstate.edu</a>) <b>Applications must be sent by 5:00 PM (MST) <u>October 1, 2014.</u></b></p>	<p style="text-align: center;"><i>For Committee Use Only</i></p> <p>Undergraduate _____ Graduate _____ (check one)</p> <p>Application Number:</p> <p>Approved:</p> <p>Rank:</p>
<p><b>Full Name:</b></p>	
<p><b>Address:</b></p> <p><b>City/ State:</b></p> <p><b>Zip Code:</b></p> <p><b>Telephone:</b></p> <p><b>Email:</b></p>	
<p><b>School:</b></p>	<p><b>Department:</b></p>
<p><b>Degree Sought:</b></p>	<p><b>Year in School</b> (if graduate student, how many years completed in program):</p>
<p><b>Anticipated date of degree completion:</b></p>	
<p><b>Graduate or major advisor(s):</b></p>	
<p><b>Descriptive Title of Research Project:</b></p>	
<p><b>Objective of Research:</b></p>	

**2014 Membership Renewal Form for the Western Society of Weed Science**  
 (To pay by credit card, please go to [www.wsweedscience.org](http://www.wsweedscience.org) and login to your account)

**IF YOU DID NOT ATTEND THE ANNUAL MEETING BUT WANT TO REMAIN A MEMBER, FILL IN THE INFORMATION BELOW AND SEND \$ 30.00 FOR DUES TO THE ADDRESS GIVEN.**

<b>Last name</b>	<b>First name</b>	<b>Affiliation</b>	
<b>Mailing address</b>	<b>City</b>	<b>State</b>	<b>Zip code</b>
<b>Phone # w/area code</b>		<b>e-mail address</b>	

**Classification:** Student \_\_\_ University \_\_\_ Federal Agency \_\_\_ State Agency \_\_\_  
 Private Industry (manufacturing and sales) \_\_\_ Private Industry (consulting) \_\_\_  
 Unemployed \_\_\_ Retired \_\_\_ other (specify) \_\_\_\_\_

**Send to: WSWS/Phil Banks**  
**205 W. Boutz, Bldg 4, Ste 5**  
**Las Cruces, NM 88005**

**Publications Available From the Western Society of Weed Science**

- (All prices include shipping and handling; bulk orders may be discounted, see below)
- \_\_\_ Weeds of the West..... \$34.00
  - \_\_\_ Aquatic and Riparian Weeds of the West..... \$45.00
  - \_\_\_ Weeds of California and Other Western States..... \$85.00
  - \_\_\_ Broadleaf and Grass Weeds of the West (CD only, 2 discs)..... \$50.00
  - \_\_\_ Weed Control in Natural Areas in the Western United States ..... \$40.00
  - \_\_\_ Interactive Encyclopedia of North American Weeds DVD.....\$50.00
- Total \_\_\_\_\_

All publications can be ordered online at [www.wsweedscience.org](http://www.wsweedscience.org) (click on online store)

To order by mail and pay by check, send this completed form with payment to:  
 WSWS Business Manager, 205 W. Boutz Rd, Bldg 4, Ste 5, Las Cruces, NM 88005.

**Contact the Business Manager (Phil Banks) at (575) 527-1888 for bulk order prices.**

Shipping Information:

Name: \_\_\_\_\_  
 Address: \_\_\_\_\_ City: \_\_\_\_\_  
 State: \_\_\_\_\_ Zip Code: \_\_\_\_\_ Telephone: \_\_\_\_\_  
 e-mail: \_\_\_\_\_



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