



# Western Society of Weed Science Newsletter

205 W. Boutz, Bldg. 4, Ste. 5, Las Cruces, NM 88005  
(575) 649-7157  
wsws@marathonag.com

WINTER 2016

## IN THIS ISSUE:

- President's Report
- 2016 Program Chair Report
- Local Arrangement Chair's Albuquerque Notes
- Student Liaison Report
- Past President's Retiree Request
- Note from the Business Office
- 2016 Canadian Herbicide Resistance Summit
- Washington Report
- 2016 Weed Short Course Announcement
- 2016 International Symposium on Adjuvants for Agrochemicals
- 2017 Global Herbicide Resistance Challenge Notification
- 2015 Proceedings Notification
- 2016 Annual Meeting Registration Form
- Publication Order Form

## Sidebar highlights

- [Contact Us](#)
- [Officers & Executive Committees](#)
- [Publications](#)
- [Calendar of Events](#)



## Report from the President by Joe Yenish

As we move into 2016, there is much reason to look forward. The Bison are headed to Frisco, Texas for the 5<sup>th</sup> consecutive January, the Vikings have won their division, and the Annual Meeting of the WSWs will be held at the Hyatt Regency Albuquerque on March 7<sup>th</sup> through the 10<sup>th</sup>. While there are no guarantees on the outcome of the first two items, the latter event is shaping up to be a real winner. Kirk Howatt, Program Chair and President-Elect, along with Research Section Chair Jane Mangold and Education Section Chair Sandra McDonald are now finalizing the program and I must say it looks very good. A solid source of optimism is the number of student papers and posters entered in the upcoming contest. This appears to be a nice trend across the county as both the North Central and Southern Weed Science Societies are reporting increased student participation at their recent and upcoming meetings. In addition to bringing vitality to the meetings, the students tend to present some of the most cutting edge and provocative papers and posters.

Another item of encouragement was the list of candidates who came forward to run for the various elected positions on the Board of Directors. As President, it was my honor to contact each of the individuals with the results of the election. While it would have been nice to declare them all winners, all candidates expressed desire get to work serving in their elected position or to continue serving the membership of the WSWs in any capacity possible. Again, it was great to see the dedication of this fine group.

Please visit the WSWs website at <http://www.wsweedscience.org/>, to get information on all the deadlines prior to the meeting along with the specific meeting times and locations during the week of March 7<sup>th</sup>. Please make sure any committee reports you might have are submitted to the proper Board of Director contact in a timely manner.

As a quick reminder, the preregistration rate is in effect until February 13<sup>th</sup> which is the same deadline to make your reservations at the meeting block rate at the Hyatt Regency. For local attractions and activities in Albuquerque area, please look over the current and previous newsletter along with a visit to the website of the Albuquerque Convention and Visitors Bureau at <http://www.visitalbuquerque.org/>.

As a final note, the upcoming meeting will be the 20<sup>th</sup> WSWs meeting that I have attended. When I think of all the WSWs Presidents over those years, I think how fortunate I am to be a part of that group. More importantly, I want let the membership know that I feel honored to have been able to serve as your President over the past year.

## Albuquerque Program Overview - Kirk Howatt, Program Chair

Thank you for strong paper and poster submissions. We have a wide array of topics and excellent facilities in which to engage in discussion. The facility is nearing the end of renovations and should be in prime condition for our attendance. You will note when the programs arrive that all meeting rooms and dining and social areas are conveniently close and provide ample areas for our many activities.

We have 92 papers and 65 posters included in the program, of which 49 are student contest presentations. While this is about 10% more than last year, the author list is 25% greater. Encourage all of your contributing authors to attend and help invigorate the society membership. All authors who submitted successfully have been sent notice of time and location. Contact me immediately if you did not receive this.

February 13 – room reservation deadline

February 13 – deadline for reduced meeting registration fee

Submit your abstract and keyword information before the meeting

March 2 – deadline to submit slides via wssaabstracts.com. After this date, contact the project chair.

The General Session will feature addresses from President Joseph Yenish and Science Policy Director Lee Van Wychen. Mary O'Connell, New Mexico State University, will present interesting information about some local wild plants. And with many business monitors indicating 2016 as a year for major repositioning in the market, Terry Crawford, New Mexico State University, will discuss how changes could affect agriculture and prospects for students.

Kaci Buhl was part of the program but had to remove herself for a required meeting in Washington, D.C. We are working to move this to the 2017 meeting in Idaho. In her place, Sandra McDonald has prepared a discussion on interpreting Personal Protective Equipment (PPE) materials and requirements. Anyone who has tried to use the glove material chart, knows the uncertainty in compliance. Other project discussions are listed below.

- Range and Natural Areas: Weed Risk Assessment as a Decision-Making Tool for Invasive Species Management.
- Horticultural Crops: Impact of Increased Irrigation Water Salinity on Crop Injury from Soil Residual Herbicides.
- Agricultural Crops: Use of 21<sup>st</sup> Century Technology in Weed Management.
- Teaching and Technology: Reaching Out: Who and How.
- Biology and Ecology: How Can We Harness Genetic and Physiological Tools to Advance Understanding of Weedy Plants?

Another special feature of this meeting will be introduction and training on use of the CLIMEX software program on Thursday from 9:30 to 5:00 by Kassim Al-Khatib. This program can help identify potential new weed invaders according to changes in environmental conditions. More information on this training will be sent when available.

A full program is planned with the help and contribution of many members. Intellectual discourse will fill the halls and rooms. Sponsors are stepping forward. And previous Newsletters highlighted area attractions and the pleasant weather expected in March. It promises to be a busy week.

See You in Albuquerque,

Kirk Howatt

President-Elect and Program Chair

### Contact Us

#### Newsletter Editor

Carl Libbey

Washington State University

Mt. Vernon, WA 98273

(360) 848-6139

libbey@wsu.edu

### WSWS Officers and Executive Committees

#### President

Joe Yenish

Dow AgroSciences

101 Calendula Circle

Billings, MT 59105

jpyenish@dow.com

#### Awards, Site Selection

#### President-Elect

Kirk Howatt

North Dakota State University

NSDU Dept 7670

PO BOX 6050

Fargo, ND 58108-6050

Kirk.howatt@ndsu.edu

#### Program, Poster, Publications, Student Paper Judging, Local Arrangements

#### Immediate Past President

Drew Lyon

Washington State University

PO BOX 646420

Pullman, WA 99164-6420

Drew.lyon@wsu.edu

#### Fellows & Honorary Members, Sustaining Members, Nominations

#### Secretary

Curtis Rainbolt

BASF Corporation

4763 N Pacific Ave

Fresno, CA 93705

curtis.rainbolt@basf.com

#### Necrology

#### WSSA Representative

Marty Schraer

Syngenta Crop Protection

152 E Cassidy Drive

Meridian, ID 83646

marty.schraer@syngenta.com

#### Legislative

### CAST Representative

Phil Westra

Colorado State University  
112 Weed Lab  
Fort Collins, CO 80523  
cows19@comcast.net

### Member-At-Large

Public Sector

Scott Nissen

Colorado State University  
115 Weed Research Lab  
Fort Collins, CO 80523-1179  
scott.nissen@colostate.edu

### Finance

### Member-At-Large

Private Sector

Michael Hubbard

Kootenai Valley Research  
4181 District Five Rd  
Bonners Ferry, ID 83805  
hubbard.kvfr@gmail.com

### Herbicide Resistant Plants

### Research Section Chair

Jane Mangold

Montana State University  
PO Box 173120  
Bozeman, MT 59717

Jane.mangold@montana.edu

### Research Section Chair-Elect

Prashant Jha

Montana State University  
Southern Agricultural Research  
Center

Huntley, MT 59037

pjha@montana.edu

### Education Section Chair

Sandra McDonald

Mountain West Pest  
2960 Southmoor Drive  
Fort Collins, CO 80525

Sandra@MountainWestPest.com

### Education

Public Relations

### Education Section Chair-Elect

Brian Jenks

North Dakota State University

5400 Hwy 83 S.

Minot, ND 58701

brian.jenks@ndsu.edu

## Albuquerque Notes — by Brian Schutte, Local Arrangements Chair

The 2016 WSWs Annual Meeting is fast approaching! The meeting will be held at the Hyatt Regency in downtown Albuquerque:

Hyatt Regency Albuquerque  
330 Tijeras Avenue NW  
Albuquerque, New Mexico 87102

To reserve rooms at meeting block rates, use the following link:

<https://aws.passkey.com/event/10628407/owner/4052/home> or call (505) 842-1234.

The deadline for room reservations at meeting block rates is **February 13**.

### Travel to the Hyatt Regency Albuquerque

#### Driving Directions:

**From the south.** Follow I-25 N to exit 224B, Dr. Martin Luther King Jr Ave. Turn left onto Dr. Martin Luther King Jr Ave. Follow Dr. Martin Luther King Jr Ave to Marquette Ave (at Broadway Blvd, Dr. Martin Luther King Jr Ave becomes Marquette Ave). Turn left onto 5<sup>th</sup> St. Turn left onto Tijeras Ave. The Hyatt Regency will be on the right.

**From the north.** Follow I-25 S to exit 224B, Dr. Martin Luther King Jr Ave. Turn right onto Dr. Martin Luther King Jr Ave. Follow Dr. Martin Luther King Jr Ave to Marquette Ave (at Broadway Blvd, Dr. Martin Luther King Jr Ave becomes Marquette Ave). Turn left onto 5<sup>th</sup> St. Turn left onto Tijeras Ave. The Hyatt Regency will be on the right.

**From the east.** Follow I-40 W to exit 158, 6<sup>th</sup> Street. Turn left onto 6<sup>th</sup> Street. Follow 6<sup>th</sup> Street to Tijeras Ave. Turn left onto Tijeras Ave. The Hyatt Regency will be on the right.

**From the west.** Follow I-40 E to exit 158, 6<sup>th</sup> Street. Turn right onto 6<sup>th</sup> Street. Follow 6<sup>th</sup> Street to Tijeras Ave. Turn left onto Tijeras Ave. The Hyatt Regency will be on the right.

The Hyatt Regency offers valet parking for vehicles with 6'8" clearance at \$20.00 per night. Self-parking is available at \$16.00 per day. Self-parking is located on Copper Avenue between 3<sup>rd</sup> and 4<sup>th</sup> Streets.

**Air Travel:** The Albuquerque International Airport (ABQ) is served by the following airlines: Alaska, American, Delta, JetBlue, Southwest and United. The Albuquerque International Airport is approximately 5 miles from the Hyatt Regency. There are several options for travel between the airport and the Hyatt Regency.

**Bus:** ABQ RIDE has two bus routes that run from the airport to the Alvarado Transportation Center, which is approximately 4 blocks from the Hyatt Regency. Bus routes include: #250 (weekdays) and #50 (weekdays & Saturday). For updated information on fares and schedules, please see: <https://www.cabq.gov/transit/bus-routes-and-schedules>.

**Shuttle:** Service is available from Sunport Shuttle. Reservations are required and can be made by calling 1-866-505-4966, or emailing [reservations@sunportshuttle.com](mailto:reservations@sunportshuttle.com) for individual reservations, [sales@sunportshuttle.com](mailto:sales@sunportshuttle.com) for group reservations. For individuals, the one-way fare is \$11.00, round-trip is \$20.00. Fares are discounted for groups. For more information, please see: <http://www.sunportshuttle.com/contact.htm>.

**Taxi:** Average taxi fare from the airport to the Hyatt Regency is \$18.00 before gratuity. ABQ Cab Company (<http://www.albuquerquecab.com/index.php>) offers vans that can accommodate six people.

### Albuquerque Attractions

In the heart in the Land of Enchantment, Albuquerque offers a variety of entertainment options. Popular attractions in the Albuquerque area include:

- Sandia Peak Aerial Tramway
- Bosque del Apache National Wildlife Refuge
- Skiing in Santa Fe
- Landmark tours, including visits to the sites of "Breaking Bad" television series
- Museums including the Albuquerque Museum of Art and History and the New Mexico Museum of Natural History & Science.

Excellent restaurants are within walking distance of the Hyatt Regency. Additional dining options can be found at Old Town and Nob Hill neighborhoods, which are short taxi rides away from the Hyatt Regency.

For more information on dining and entertainment in the Albuquerque area, please see the Local Arrangements Report in the Summer 2015 newsletter (<http://www.wsweedscience.org/wp-content/uploads/2013/09/WSWS-2015-Summer-Newsletter.pdf>).

## Student Liaison Report - by Carl Coburn

The 2016 meeting in Albuquerque is fast approaching and I am sure students are busy preparing presentations and posters. Breanne and I have worked hard securing items for this year's silent auction, but there is still work to be done. While we have received a number of generous donations from companies and individuals, we still need your help to ensure we raise as much money as possible to support the student scholarship program. Last year, we were able to raise over \$2,000 and our goal this year is to raise \$3,000 to fully fund the student scholarships. These scholarship opportunities are important for encouraging and rewarding student participation in the society and the field, so your help obtaining items directly benefits the students. If you have any items or services that society members may be interested in bidding on, please consider donating this item for the silent auction. If your item is easy to travel with, please bring it to Albuquerque and Breanne or I will be happy to take it off your hands during meeting registration. If the item is difficult to travel with, please contact me (ccoburn2@uwyo.edu) or Breanne (blaturnu@ualberta.ca) to arrange delivery to the meeting.

The deadline for abstract submission is February 29, 2016, and the deadline to submit presentations is March 2, 2016. The 2016 call for papers (<http://www.wsweedscience.org/wp-content/uploads/2013/09/WSWS-Call-for-Papers-2016.pdf>) contains useful guidelines for abstracts, posters, and presentations. Note, posters must fit within **42 inches x 42 inches** of display board, and posters can be set up on Monday evening prior to the Tuesday morning poster session. Also, when registering for the meeting, be sure to sign up for the Student Night Out event. This is a very informal event that gives students an invaluable opportunity to meet with some of the society's diverse members and learn more about potential careers in industry, academia, or public agencies. We work hard to make this a worthwhile and pleasant event for all who participate, and we continue to modify it based on your suggestions from previous meetings. More details about the Student Night Out will follow over the next several weeks.

For students interested in getting more involved in the society, consider "running" for the student liaison position. This is a 2-year commitment (1st year as Chair Elect and 2nd year as Chair). Contact Breanne or me with questions about the position. Make sure to send a short bio with your current school program and research interests, and why you would like to serve as a student liaison. The candidates will be decided upon during the Student Luncheon at the meeting. Don't forget to follow us on Twitter (@WSWSstudents) and Facebook (<https://www.facebook.com/WSWSStudentSection/>) for meeting updates and deadline information. We look forward to seeing you at the upcoming meeting!

Thanks!

Carl Coburn, Student Liaison Chair ([ccoburn2@uwyo.edu](mailto:ccoburn2@uwyo.edu))

Breanne Tidemann, Student Liaison Chair Elect ([blaturnu@ualberta.ca](mailto:blaturnu@ualberta.ca))

### Treasurer / Business Manager

Phil Banks

Marathon Ag Company

205 W. Boutz Road

Bldg 4, Ste 5

Las Cruces, NM 88005

[wsws@marathonag.com](mailto:wsws@marathonag.com)

### Constitution & Operating Procedures Representative

Corey Ransom

Utah State University

4820 Old Main Hill

Logan, UT 84322-4820

[corey.ransom@usu.edu](mailto:corey.ransom@usu.edu)

### Webmaster & Web Editor

David Krueger

Apex WebStudio LLC

PO Box 91235

Raleigh, NC 27675

[david@apexwebstudio.com](mailto:david@apexwebstudio.com)

### Student Liaison

Carl Coburn

University of Wyoming

Dept. 3354 1000 University

Laramie, WY 82071

[ccoburn2@uwyo.edu](mailto:ccoburn2@uwyo.edu)

### Student Liaison Chair-elect

Breanne Tidemann

University of Alberta

6000 C and E Trail

Lacombe, AB T4L 1W1

Canada

[blaturnu@ualberta.ca](mailto:blaturnu@ualberta.ca)

### Science Policy Director

Lee Van Wychen

The National and Regional

Weed Science Societies

5720 Glenmullen Place

Alexandria, VA 22303

(202) 746-4686

[Lee.VanWychen@WSSA.net](mailto:Lee.VanWychen@WSSA.net)

### Publications

WSWS ONLINE EDUCATION

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

WSSA Journals Website Online

[www.WSSAJournals.org](http://www.WSSAJournals.org)



## CALENDAR OF EVENTS

### Weed Science Society of America Annual Meeting Joint Meeting with the Southern Weed Science Society

February 8-11, 2016  
San Juan, Puerto Rico  
[www.wssa.net](http://www.wssa.net)

### Canadian Herbicide Resistance Summit

March 2, 2016  
Saskatoon, Saskatchewan  
[www.weedsummit.ca](http://www.weedsummit.ca)

### Western Society of Weed Science Annual Meeting

March 7-10, 2016  
Albuquerque, New Mexico  
[www.wsweedscience.org](http://www.wsweedscience.org)

### Western Invasive Weed Short Course

April 18-21, 2016  
Loveland, Colorado  
[www.mountainwestpest.com/ShortCourse.html](http://www.mountainwestpest.com/ShortCourse.html)

### 11<sup>th</sup> International Symposium on Adjuvants for Agrochemicals

June 13-17, 2016  
Monterey, California  
[www.isaa-online.org](http://www.isaa-online.org)

### 7<sup>th</sup> International Weed Congress

June 19-25, 2016  
Prague, Czech Republic  
<http://www.iwsc2016.org/>

### 56<sup>th</sup> Aquatic Plant Management Society Annual Meeting

July 17-20, 2016  
Grand Rapids, Michigan  
<https://apms.org/annual-meeting/2016-annual-meeting/>

### 20<sup>th</sup> Australasian Weeds Conference

September 11-15, 2016  
Perth, Australia  
[www.20awc.org.au](http://www.20awc.org.au)

## Retiring or Have You Retired Recently?

As I write this, I am just a few days away from a trip to sunny, warm Belize for the holidays. I hope to relax and soak up the warmth and natural beauty of this Central American country for a couple of weeks. Thoughts of relaxing on a hammock under the palm trees has me thinking of those lucky colleagues who have recently retired or who soon will retire. It is my distinct pleasure as Immediate Past President to recognize and honor these retirees for their active membership and contributions to the WSWs over the years at the Monday evening reception in Albuquerque. If you have retired from active employment since our last meeting in Portland, or you plan to retire by the end of spring 2016, please let me know by March 1<sup>st</sup>. You can contact me at (509) 335-2961 or [drew.lyon@wsu.edu](mailto:drew.lyon@wsu.edu). I also encourage any member who knows someone who has or will soon retire, to let me know before the beginning of March.

Drew Lyon  
WSWS Immediate Past President

---

## A Note from the Business Office by Phil Banks

You can register for the 2016 annual meeting in Albuquerque, NM by going to our website (<http://www.wsweedscience.org/annual-meeting/>) to conveniently register online or you can use the registration form found in this newsletter. Preregistration rates end on **February 13, 2016**. Also, you must make your room reservations before February 13 in order to get a room at our block rate. Room reservations can be made by following this link:

<https://aws.passkey.com/event/10628407/owner/4052/home>

I look forward to seeing you all at the meeting. As always, if you need to contact the office, please give us a call at (575) 649-7157 or e-mail at [wsws@marathonag.com](mailto:wsws@marathonag.com).

Phil Banks, WSWS Business Manager/Treasurer



## 2016 Canadian Herbicide Resistance Summit

The **Herbicide Resistance Summit** (March 2, 2016 in Saskatoon, Saskatchewan) was organized to facilitate a more unified understanding of herbicide resistance issues across Canada and around the world, and to increase awareness that everyone engaged with

agriculture has a role in managing herbicide resistance.

Presenters will address many of the key issues faced by farmers and crop protection researchers in meeting the challenge of the growing threat of herbicide resistance. Our goal is to ensure participants walk away with a clear understanding of specific actions they can take to help minimize the devastating impact of herbicide resistance on agricultural productivity in Canada.

For more information visit: [www.weedsummit.ca](http://www.weedsummit.ca)

# WASHINGTON REPORT

January 1, 2016  
Lee Van Wychen



On December 4, Dr. David Shaw (standing) presented a seminar titled “**Battling the Wicked Problem of Herbicide Resistance: The Human Dimensions of Herbicide Resistance Evolution**” to Congressional staffers in the House Agriculture Committee in Washington, DC. Seated at the table next to Dr. Shaw (from right to left) are Dr. Donn Shilling, WSSA Science Policy Committee Chair, Dr. Dallas Peterson, WSSA President, and Dr. Lee Van Wychen WSSA Science Policy Director. Dr. Peterson provided closing remarks for the seminar.

## **Congress Passes an Omnibus Funding Bill for FY 2016**

The omnibus spending bill passed by Congress in December includes full Appropriations legislation and funding for the 12 annual Appropriations bills through the end of the fiscal year, Sept. 30, 2016. The level reflects the increased domestic discretionary funding provided by the Bipartisan Budget Act of 2015, which was enacted on Nov. 2, 2015. Overall, the omnibus is good news for weed and invasive plant research. USDA-NIFA, -ARS, -APHIS, and -NRCS all got modest increases compared to last year. Funding for the Aquatic Plant Control Research Program doubled from \$4M to \$8M, however, half of that is slated for new watercraft inspection stations. The biggest winner was the Agricultural and Food Research Initiative (AFRI) which saw an increase from \$325M to \$350M. Earlier this year, the Senate proposed to flat-line AFRI at \$325 million, while the House proposed just a \$10M increase over 2015. USDA funding remained constant to last year’s levels for the Hatch Act (\$244M), Smith-Lever Act section b & c (\$300M), IR-4 (\$11.9M), and Crop Protection & Pest Management (\$17.2M), which includes funding for the Regional IPM Centers and Extension IPM.

## **WSSA Supports Areawide IPM Bill Introduced in Congress**

In November, Rep. Tulsi Gabbard (HI) introduced the Areawide Integrated Pest Management (AIPM) Act of 2015 (H.R. 3893). The bill amends the Integrated Research, Education, and Extension competitive grants program by adding a focus on grants for Areawide IPM. The competitive grants would be awarded to colleges and universities for integrated projects as determined by the Secretary of Agriculture in consultation with a 9 member committee for AIPM “representing stakeholder groups with experience in area wide research programs carried out by Federal, State, or private entities”. “Integrated” programs must include aspects of

research, education and extension. Currently funded “Integrated” programs include Crop Protection and Pest Management (CPPM), Water Quality, Methyl Bromide Transitions, and Organic Transitions. Previous programs that received “Integrated” funding included Crops at Risk (CAR) and the Risk Avoidance and Mitigation Program (RAMP). WSSA is working with Rep. Gabbard and other groups to build support among stakeholders and find co-sponsors in the Senate. Ideally, we would like to see this language included in the next Farm Bill. Rep. Gabbard’s speech on the House floor and press release introducing the AIPM bill can be found [HERE](#).

### **EPA Extends Comment Period for Pesticide Applicator Rule**

EPA extended the public comment period by one month to January 23, 2016 regarding its proposed changes to the certification and training standards for pesticide applicators. The Science Policy Committee has been discussing these proposed changes, which will have significant costs and impacts on state lead agencies, university extension programs, and the applicators subject to regulatory certification. The proposed rule is complex and includes numerous new, revised, and deleted definitions. Our main concerns with the proposed revisions include:

1. Three-Year Frequency for Demonstrating Competency
2. Requirement for Earning Continuing Education Units (CEUs) every 18 months
3. Minimum Age
4. Private Applicator Competency Requirements
5. Impact on General Use Pesticide Applicators
6. Definition of “Use”
7. Definition of “Mishap”

### Full Rule Proposal – **[Pesticides: Certification of Pesticide Applicators](#)**

EPA is accepting comments on the proposal until **January 23, 2016**. To comment now, please go to: [EPA-HQ-OPP-2011-0183](#)

### **Waters of the U.S. Rule Fix Not Included in Omnibus**

The EPA’s and Army Corps of Engineer’s Waters of the U.S. (WOTUS) rule survived a proposed roll-back in the omnibus despite the Government Accountability Office’s (GAO) finding that the EPA broke the law by violating publicity or propaganda and anti-lobbying provisions. See: <http://www.gao.gov/products/B-326944>. By the time the GAO report was issued, lawmakers were already hashing out a deal to end the 40 year old oil export ban in exchange for the removal of environmental riders in the omnibus bill.

In November, Democrats filibustered a bill (S. 1140) from Sen. John Barrasso (WY) that would have forced the EPA to scrap the WOTUS rule and start over. Instead, senators passed a filibuster-proof resolution to block the rule, but lawmakers did not have enough votes for a 2/3 majority to overcome a Presidential veto.

Meanwhile, the U.S. Court of Appeals for the 6th Circuit is currently weighing whether it, or the federal district courts, should have authority over the many challenges to the WOTUS rule, but has not yet issued a decision. The North Dakota district court suit, *State of North Dakota, et al., v. EPA, et al.* is continuing absent a 6th Circuit order.

Finally, the American Farm Bureau Federation is publicizing a California farmer’s dispute with the Army Corps of Engineers as a cautionary tale for what could happen if the WOTUS rule is adopted. John Duarte, the California farmer, was issued a cease and desist order by the Army Corps of Engineers for basically plowing his

field and planting wheat. The Army Corps of Engineers claimed that Duarte violated the Clean Water Act in discharging dredge-and-fill materials in a nearby creek without a permit. For details, see:

[http://www.fb.org/newsroom/news\\_article/383/](http://www.fb.org/newsroom/news_article/383/)

### **2015 a Record-Setting Year for Federal Regulations**

Speaking of federal rules ----- this year's Federal Register, which publishes federal agency rules, proposed rules, and notices as well as executive orders from the president totaled 81,611 pages (with one day to go in 2015). That's an all-time record, and is over 4,000 pages more than last year and surpasses the previous record set in 2010. They may have to rewrite the civics textbooks to include a 4<sup>th</sup> branch of government---- "the regulators"! (That's an inside joke here in the nation's capital among policy wonks.) In 2015, there were 3,378 final rules and regulations among the pages of the Federal Register, with another 2,334 proposed rules that are at various stages of consideration.

### **Europeans, Canadians Conclude Glyphosate 'Unlikely to Cause Cancer in Humans'**

In November, the very cautious European Food Safety Authority (EFSA) concluded that glyphosate is unlikely to cause cancer in humans. The Canadian Pest Management Regulatory Agency (PMRA) in April also concluded that "the overall weight of evidence indicates that glyphosate is unlikely to pose a human cancer risk." EFSA stated glyphosate toxicity should be reduced by lessening its dose, but the substance is not likely to be genotoxic or damaging to DNA. "Glyphosate is not proposed to be classified as carcinogenic under the EU regulation for classification, labeling and packaging of chemical substances," EFSA says. "In particular, all the Member State experts but one agreed that neither the epidemiological data (i.e., on humans) nor the evidence from animal studies demonstrated causality between exposure to glyphosate and the development of cancer in humans."



### **National Invasive Species Awareness Week: February 21 – 27, 2016**

SAVE THE DATE- Participate in events across the nation to raise awareness and identify solutions to invasive species issues at local, state, tribal, regional, international and national scales. Locate an invasive species event in your state or county. Plan your own event using the NISAW Toolkit – where and when it works for you! Plan to attend the NISAW 2016 reception and briefings on Capitol Hill! Check [www.nisaw.org](http://www.nisaw.org) for the NISAW Toolkit for planning local events and the NISAW Event Locator – as well as more specific dates, details, event schedules, complete lists of partners and further developments and other potential events in Washington, DC.

Lee Van Wychen, Ph.D.  
Science Policy Director  
National and Regional Weed Science Societies

[Lee.VanWychen@wssa.net](mailto:Lee.VanWychen@wssa.net)

cell: (202) 746-4686

[www.wssa.net](http://www.wssa.net)





The 2016 Western Invasive Weed Short Course will be held April 18 - 21, 2016, at the Sylvan Dale Guest Ranch in Loveland, Colorado.

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. An opening night twilight weed walk is great way to see the ranch and start learning some weeds.

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 2016 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 2015. 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).

Sandra McDonald  
Pesticide Safety Educator  
(970) 266-9573



ISAA  
2016



Save new date and location  
June **13-17**, 2016

## Hyatt Regency Monterey Hotel and Spa on Del Monte Golf Course

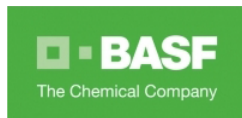
To protect ISAA 2016 participants from the renovations in the original venues: the storied Monterey Conference Center, the Portola Hotel and Spa, and the Monterey Marriott, ISAA is taking advantage of an opportunity to stay in Monterey, California in the better-suited **Hyatt Regency Monterey Hotel and Spa on Del Monte Golf Course**. In doing so, the ISAA 2016 Symposium will be brought forward one week and held from 13 to 17 June 2016.

Join us and our great sponsors and speakers in Monterey in 2016

Our ISAA 2016 Partner

**CLARIANT** 

...and other ISAA 2016 sponsors as of 16 October 2015:



CRODA



Tiered sponsorships, as well as these opportunities (and more) for sponsorship are still available: Coffee breaks, breakfasts, lunches, welcome reception, poster session, the proceedings publication, symposium app, and an interesting array of ag field trips.

For further information on ISAA 2016,  
contact

Solito Sumulong, ISAA 2016 Organizing Chair, Loveland  
Products, Crop Production Services,  
Loveland, CO, USA, +1 970-685-3579,  
solito.sumulong@cpsagu.com



ISAA Society

[www.isaa2016.org](http://www.isaa2016.org)



**Mark your calendars and plan to attend the 2<sup>nd</sup> Global Herbicide Resistance Challenge  
May 14-18, 2017 in Denver, Colorado, USA.**

The 2<sup>nd</sup> GHRC expects to attract weed scientists in research, education, government, and industry for four days of presentations and networking on key weed resistance issues throughout the world.

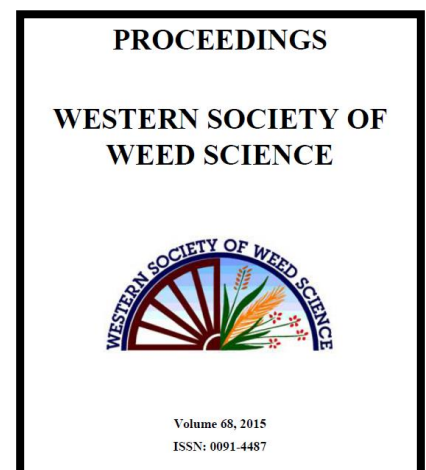
Visit the official website ([www.ghrc2017.org](http://www.ghrc2017.org)) for detailed information about the program, registration, call for abstracts, hotel accommodations, travel, sponsor/exhibitor opportunities and much more! It will be updated periodically.

Preregistration for GHRC 2017 is now open. By preregistering, you can save on registration fees and reserve a spot. While we hope everyone who expresses a desire to attend has the opportunity to participate, we understand that life sometimes interferes with travel plans. Pre-registration is only an indication of interest not a monetary commitment.

Complete the "I Plan to Attend" form available at <http://www.ghrc2017.org/registration-1.html> to pre-register and receive a \$50.00 discount on registration (Full and Student). Please share this form with anyone else who might be interested. Remember a discount code is assigned to the individual not the organization.

Proceedings Editor, Bill McCloskey, has posted the Proceedings from the 2015 Portland, Oregon 68<sup>th</sup> annual meeting of the Western Society of Weed Science to the WSWS website. You can view or download the Proceedings by following this link:

[http://www.wsweedscience.org/wp-content/uploads/2013/09/WSWS\\_2015\\_Proceedings\\_FINAL\\_v2.pdf](http://www.wsweedscience.org/wp-content/uploads/2013/09/WSWS_2015_Proceedings_FINAL_v2.pdf)



**WSWS REGISTRATION FORM**  
**69th ANNUAL WESTERN SOCIETY OF WEED SCIENCE MEETING**  
**Hyatt Regency Albuquerque, New Mexico**  
 (see the WSWS website [www.wsweedscience.org](http://www.wsweedscience.org) for room booking details)  
**MARCH 7-10, 2016**

**Deadline:** Mail-in registration must be postmarked by February 13, 2016. **PAYMENT MUST ACCOMPANY REGISTRATION-NO EXCEPTIONS.** Check or Money Order (U.S. Dollars) Only. Credit card payments may be made with online registration. Visit: [www.wsweedscience.org](http://www.wsweedscience.org) No refunds after March 1, 2016. Questions? [wsws@marathonag.com](mailto:wsws@marathonag.com) or (575) 649-7157.

<u>Registration</u>	<u>Mail by 2/13/16</u>	<u>After 2/13/16</u>	<u>Total</u>
_____ Regular Meeting	\$ 250.00	\$ 350.00	_____
_____ Student	\$ 100.00	\$ 100.00	_____
_____ Spouse	\$ 30.00	\$ 30.00	_____
	<b>Total Remittance</b>		\$ _____

Do you want to participate in Student Night Out? \_\_\_\_\_ Yes \_\_\_\_\_ No

The Student Night Out program matches students with weed science professionals for an evening out to dinner during the Annual Meeting. If you checked Yes, someone will follow-up with you before the meeting.

**Note:** Onsite registration at the meeting is at the higher rates listed above. The full program will be posted at the website in mid-January.

IF NOT ATTENDING, BUT WANT TO REMAIN A MEMBER, FILL IN THE INFORMATION BELOW AND SEND \$30.00 FOR DUES \$ \_\_\_\_\_

---

Last name                                      First name                                      Affiliation

---

Mailing address                                      City                                      State                                      Zip code

---

Phone number with area code                                      e-mail address

---

Name Desired on Badge                                      Spouse name (if registering)

**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
_____ 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 **publications**)

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) 649-7157 for bulk order prices.**

Shipping Information:

Name: \_\_\_\_\_

Address: \_\_\_\_\_ City: \_\_\_\_\_

State: \_\_\_\_\_ Zip Code: \_\_\_\_\_ Telephone: \_\_\_\_\_

e-mail: \_\_\_\_\_

## WSWS Objectives

- ❖ To foster and encourage education and research in weed science.
- ❖ To foster cooperation among state, federal and private agencies in matters of weed science.
- ❖ To aid and support commercial, private and public agencies in the solution of weed problems.
- ❖ To support legislation governing weed control programs and weed research and education programs.
- ❖ 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  
205 W. Boutz, Bldg. 4, Ste. 5  
Las Cruces, NM 88005