



Western Society of Weed Science Newsletter

12011 Tejon Street Ste. 700, Westminster, CO 80234

(303) 327-8016

info@wsweedscience.org

WINTER 2018

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President's Report by Monte Anderson

I have already seen the "data", it's supposed to be between 70-75 degree days and 50-51 degree nights plus sunshine to abundant sunshine during the dates of our annual meeting in southern California this year! The temperature chart off the internet for Anaheim indicates the peak March temperatures occurring that week this year. Whether you believe the predicted results this far in the future or need to see it for yourself, plan to attend the March 12-15 WSWS meeting to check it out. Of course, there are long term averages saying almost exactly that but after a cool, wet 2017 meeting it'd be great to experience the warmth and sunshine in Orange County. In 2008 at the Hyatt Regency Orange County we had the Awards luncheon outside by the pool and we're planning to do the same this year. The Hyatt has been updated and should be a comfortable facility with nearby attractions. If you haven't already, you can still preregister and save some funds.

The Board of Directors will meet Monday, March 12, from 8 am to 5 pm in the Valencia room. Officer and committee chair reports will be reviewed and discussed along with old and new business. Now is a good time to propose agenda items and coordinate with committee members, as a call for these reports will come out soon. Additionally, there will be a brief BOD meeting Thursday noon that includes the newly elected officers. Newly elected officers include President elect Pat Clay, Education & Regulatory chair Joel Felix, Research Chair Brian Meador, and reelected Secretary Chad Cummings. Please give them your support as they begin their duties. Thanks to all candidates for putting yourself forward and being considered. Special thanks for the Nominating committee effort in securing the candidate list prior to the summer board meeting.

The WSWS and WSSA are still hammering out agreement details to meet jointly in 2020 in Hawaii. As a long time WSWS member I have always especially enjoyed our meetings there. The past two years have been both challenging and exciting, and the working on and towards joint meetings has clearly been among the highlights. I appreciate the opportunity to serve, am grateful to the guidance of Phil Banks, and believe we are in good hands with Tara Steinke and IMI that will be handling our 2018 meeting. Looking forward to seeing you all in sunny California!

WSWS Annual Meeting March 12-15, 2018 Garden Grove, California

Garden Grove Notes – Travis Bean, Local Arrangements

The 2017 Annual Meeting will be held at the Hyatt Regency Orange County in Garden Grove, California:

11999 Harbor Blvd
Garden Grove, CA 92840

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

<https://aws.passkey.com/go/WSWS2018> or call (714) 750-1234. The deadline for room reservations at meeting block rates is **February 17th, 2018**.

Driving directions

Note that the conference venue is located in a high-traffic area of the greater Los Angeles area and optimal travel routes are dependent on time of day, local construction, accidents, and other unpredictable factors. For non-local attendees who are driving, a real-time traffic app is recommended. "Normal" travel routes are provided below:

From the south: Follow I-5 N to W Chapman Ave (Exit 107B) in Orange (exit via right lanes). Turn left onto W Chapman Ave, turn right toward Hyatt, just past Harbor Blvd (or turn right on Harbor Blvd and take the first left).

From the north and west: Follow US-101 S and I-405 S to CA-22 E/Garden Grove Fwy (right lanes), follow signs for Garden Grove. Take exit 12B (right lanes) toward Harbor Blvd N, merge onto Trask Ave, turn right onto Harbor Blvd. Use the 2nd from the left lane to turn left onto W Chapman Ave, turn right toward Hyatt, destination on the left.

From the east: Follow CA-91 W to CA-55 S/State Rte 55 S (left lanes), follow signs for Newport Beach, stay right to exit onto CA-22 W/Garden Grove Fwy (exit toward Long Beach). Use the right lane to take exit 13 for Haster St. Follow Haster St and turn left onto W Chapman Ave, turn right to Hyatt, destination on the left.

Hyatt Regency Orange County offers self and valet parking. Both have rates dependent on length of stay and size of vehicle, but for overnight stay non-oversize vehicles, rates are \$28/night and \$36/night for self- and valet-parking respectively. Contact Guest Services at (714) 740-6051 for more parking information.

Air Travel and transport to/from airport

The John Wayne Airport (SNA) is served by the following airlines: Alaska, American, Delta, Frontier, Southwest, United, and WestJet. The John Wayne Airport is approximately 13 miles from the Hyatt Regency Orange County. There are several options for travel between the airport and the conference venue. The hotel offers a shuttle for \$11/person, one way from SNA, as well as options for transport from the Los Angeles (LAX; \$17/person, one way) and Long Beach (LGB; \$36/person, one way) airports. Taxi, Uber, and Lyft are also available.

Local attractions

There's something to do and explore for every interest and age group. A very abbreviated selection of activities are presented below.

Theme Parks (a "go card" from Costco may offer competitive prices): Universal Studios, Legoland, Seaworld, Knotts Berry Farm, San Diego Zoo, San Diego Safari Park, Long Beach Aquarium, Balboa Park, Six Flags Magic Mountain, Warner Bros. Studio Tour

Hiking: Crystal Cove State Beach, Newport Back Bay, Bolsa Chica Reserve

Whale Watching/Ocean fishing (see Groupon for deals): Newport, Dana Point, Catalina Island, Hornblower cruise, USS Midway (San Diego), Huntington beach (surf watching)

Art: Getty Center, Huntington Gardens, George C. Page Museum (aka Brea Tar Pits)

Contact Us

Newsletter Editor

Carl Libbey

225 S. 10th Street
Mount Vernon, WA 98274
(360) 336-5286

wswsnewslettereditor@gmail.com

WSWS Officers and Executive Committees

President

Monte Anderson

Bayer CropScience
16304 S Yancey Ln
Spangle, WA 99031-9563

monte.anderson@bayer.com

Awards, Site Selection

President-Elect

Andrew Kniss

University of Wyoming
1000 University Ave
Laramie, WY 82071

akniss@uwyo.edu

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

Immediate Past President

Kirk Howatt

North Dakota State University
NSDU Dept 7670
PO BOX 6050

Fargo, ND 58108-6050

kirk.howatt@ndsu.edu

Fellows & Honorary Members, Sustaining Members, Nominations

Secretary

D. Chad Cummings

Dow AgroSciences
382 W FM 1753
Bonham, TX 75418

dccummings@dow.com

Necrology

WSSA Representative

Marty Schraer

Syngenta Crop Protection
152 E Cassidy Drive
Meridian, ID 83646

marty.schraer@syngenta.com

Legislative

Student Liaison Report

Caio Brunharo

Our 2018 meeting in Garden Grove is just a few weeks away and I can imagine how busy you are getting your abstracts, posters and presentations ready. I would like to remind you of several networking opportunities you will have to interact with industry, academia and government folks, so don't forget your business cards! We typically have our Student Luncheon on Tuesday, sponsored by Bayer, where we hold our business meeting and elect our new student-liaison chair-elect. We also organize the Student Reception, sponsored by Syngenta, also on Tuesday following the afternoon sections. Finally, you will have the opportunity to go out with professionals from the sector you prefer in the Student Night Out, typically held Wednesday evening.

Speaking of which, we are now opening the floor for nominations for a couple of positions. The first one is the Student Liaison Chair-Elect position. I highly recommend you run for this position, it is an incredible networking opportunity and you will have the chance to see how the society works as you will become a member of the WSWs Board of Directors. If you are interested, please e-mail me (cabrunharo@ucdavis.edu) and Clint (clint.beiermann@huskers.unl.edu) a short bio with your current school program and a statement of why you would like to serve as student liaison.

The second position is a 1-year commitment and involves representing the student association in the Student Paper Judging committee, where you will be responsible to bring concerns and opinions from the student members and also work out solutions with this committee. If you are interested, please contact Eric Patterson, who is the current student representative (lloyd16@rams.colostate.edu). Both positions will be selected during our Student Luncheon on Tuesday.

Finally, I would like to ask for your contribution to the Silent Auction we hold every year. The funds raised are used to cover the Elena Sanchez Outstanding Student Scholarships. We have been able to fully fund three scholarships annually over the last few years, and this has only been possible with your assistance. Therefore, if you have any item that you believe is auctionable (crested company items, historical items, weed science items), please contact me or Clint and we will arrange for the transport of items to Garden Grove.

As always, feel free to contact us with questions on any topic.

Caio Brunharo, Student Section Chair
cabrunharo@ucdavis.edu

Clint Beiermann, Student Section Chair (elect)
clint.beiermann@huskers.unl.edu

CAST Representative

Brian Jenks

North Dakota State University
5400 Hwy 83 S.
Minot, ND 58701
brian.jenks@ndsu.edu

Member-At-Large Public Sector

Lynn Sosnoskie

Washington State University
1100 N. Western Ave.
Wenatchee, WA 98801
lynn.sosnoskie@wsu.edu

Finance

Member-At-Large Private Sector

Charlie Hicks

Bayer CropScience
3008 Shore Rd
Fort Collins, CO 80524
charlie.hicks@bayer.com
Herbicide Resistant Plants

Research Section Chair

Brad Hanson

University of California - Davis
Dept. of Plant Sciences MS-4
One Shields Ave
Davis, CA 95616
bhanson@ucdavis.edu

Research Section Chair-Elect

Education Section Chair

Dirk Baker

Campbell Scientific, Inc.
815 West 1800 North
Logan, UT 80525
dbaker@campbellsci.com

Education

Public Relations

Education Section Chair-Elect

Brian Schutte

New Mexico State University
945 College Ave
Las Cruces, NM 58701
bschutte@nmsu.edu

Program Highlights for Garden Grove

Andrew Kniss – Program Chair

I think we're going to have a great program for the upcoming meeting in Garden Grove (Anaheim), California. We've got a full slate of 73 oral papers and 60 posters submitted for the meeting, with our traditionally diverse set of topics to be covered. If you have not made travel plans, be sure and do so soon! The hotel's deadline for ensuring the conference rate is February 17, so be sure and get your reservations by then. If you have submitted a paper or poster title, please submit your abstracts by Thursday, March 1.

The registration desk will open at 4:00 pm on Monday, March 12, and we will have a welcome reception open to all attendees on Monday evening from 6:00 pm until 8:00 pm. The General Session on Tuesday morning will feature an address by WSWS President Monte Anderson, a DC Update from our Director of Science Policy Lee Van Wychen, and two invited speakers that I'm excited about. Lydia Jennings from the University of Arizona will be speaking to us about Native American issues in research; I think this will be an enlightening – and important – topic for many of our members who are actively involved in land management in the West. We'll conclude our General Session with some 'local flare' from David Marley, a historian with Cal State Fullerton. Dr. Marley will tell us about some of the fascinating (and entertaining) history of Disneyland.

On Wednesday afternoon, we'll have a symposium entitled "*Local Lessons from the 2017 Herbicide Resistance Regional Listening Sessions*," and the Project Chairs have developed some great topics for the discussion sections. All sessions of the meeting will conclude by 11:00 am on Thursday, March 15.

I'm looking forward to seeing you all in Garden Grove!

Retired or thinking of Retiring soon???

Please help us identify WSWS members who have recently or soon will be retiring. If you or someone you know fits this description, please send information to Kirk Howatt (kirk.howatt@ndsu.edu). We will find out if the rumor is true and prepare to recognize individuals at the 2018 Annual Meeting in Garden Grove, CA. That's in Orange County near Anaheim.

Treasurer / Business Manager

Tara Steinke
Interactive Management Inc.
12011 Tejon St, Suite 700
Westminster, CO 80234
Tara@imigroup.org

Constitution & Operating Procedures Representative

Tim Miller
Washington State University
16650 SR 536
Mt. Vernon, WA 98273
twmiller@wsu.edu

Webmaster & Web Editor

David Krueger
Apex WebStudio LLC
PO Box 91235
Raleigh, NC 27675
david@apexwebstudio.com

Student Liaison

Caio Brunharo
University of California, Davis
625 Cantrill DR #268-A
Davis, CA 95618
cabrunharo@ucdavis.edu

Student Liaison Chair-elect

Clint Beiermann
University of Nebraska-Lincoln
279 Plant Science Hall East Campus
Lincoln, NE 68583
clint.beiermann@huskers.unl.edu

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

Publications

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

WSSA Journals Website Online
www.WSSAJournals.org

CALENDAR OF EVENTS

Western Society of Weed Science Annual Meeting

March 12-15, 2018

Garden Grove, California

www.wsweedsociety.org

Aquatic Plant Management Society Annual Meeting

July 15-18, 2018

Buffalo, New York

www.apms.org

21st Australasian Weed Conference

Sep. 9-12, 2018

Sydney, Australia

www.21awc.org.au

72st Annual Meeting of the Canadian Weed Science Society

Nov. 19-22, 2018

Niagara Falls, Ontario

www.weedsociety.ca

North Central Weed Science Society Annual Meeting

Dec. 3-6, 2018

Milwaukee, Wisconsin

www.ncwss.org

Southern Weed Science Society Annual Meeting

Feb. 3-7, 2019

Oklahoma City, Oklahoma

www.swss.ws

Weed Science Society of America Annual Meeting

Feb. 11-14, 2019

New Orleans, Louisiana

www.wssa.net

A Note from the Business Office

Tara Steinke, Business Manager/Treasurer

All of us at Interactive Management want to wish you a Happy New Year!

Please take time to register for the 2018 Annual Meeting.

- The registration deadline is February 12th, 2018. After that date, the registration price goes from \$250.00 to \$350.00.
- The deadline for securing a hotel room at the Hyatt Orange County is February 17th, 2018. We would highly recommend not waiting until the last minute to secure a hotel room, as the hotel is full otherwise and will only hold the amount of rooms that we have contracted.

We are looking forward to seeing everyone in Anaheim!

As always, if you need to contact the office, please give us a call at (303) 327-8016 or e-mail at info@wsweedsociety.org.

Montana State University Offers On-line Course

PSPP 546 Herbicide Physiology is a distance delivery graduate course to be offered in Fall semesters of even-numbered years (next offering 2018). The course is taught by Profs. William Dyer and Tracy Sterling (Montana State University), Dr. Sarah Ward (Colorado State University), Dr. Mithila Jugulam (Kansas State University), Dr. Lynn Ingegneri (Oregon State University), Dr. Fabián Menalled (Montana State University). We will cover topics in herbicide classification, herbicide mode of action, resistance mechanisms, and practical diagnosis of field situations. Prerequisites include upper division courses in biochemistry and plant physiology, or consent of the instructors. The course is designed for students without traditional access to this course material, and is not designed to replace existing, on-campus courses at other institutions. <http://bit.ly/PSPP546>

Online course: Herbicide Physiology (PSPP 546) • Aug. 24–Dec. 14, 2018

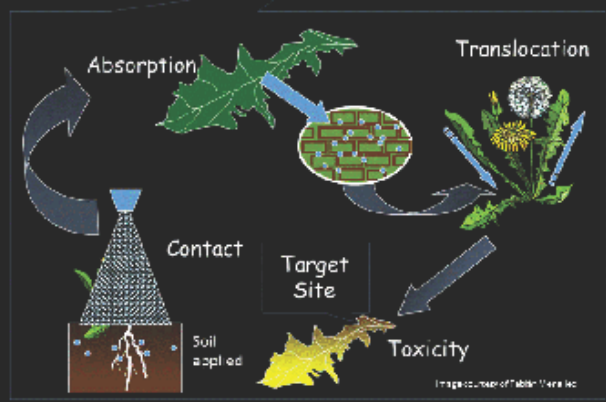
- Explore the fundamental physiology, biochemistry, and molecular biology of herbicides and their effects on plants,
- Understand how herbicide resistance evolves and its physiological mechanisms,
- Examine the processes by which herbicides are discovered/developed for commercial release, and
- Learn about practical herbicide resistance management strategies.

3 graduate credits • See Web for pre-requisites, tuition and admission guidelines

Instructors include: William Dyer, Plant Sciences & Plant Pathology, Montana State University; Tracy Sterling, Land Resources & Environmental Sciences, MSU; and Sarah Ward, Soil & Crop Sciences, Colorado State University.



Herbicide Mode of Action



(406) 994-6550 • distance@montana.edu
Learn more at <http://bit.ly/PSPP546>

Western Invasive Weed Short Course

April 16-19, 2018

The 2018 Western Invasive Weed Short Course will be held April 16-19, 2018 at the Sylvan Dale Guest Ranch in Loveland, Colorado.

The continued partnership with the 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 a great way to see the ranch and start learning some weeds. This year we are including ATV Safety and pollinator protection.



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 2018 WIWSC will be similar to the previous Courses, to see agendas please visit http://www.mountainwestpest.com/Past_Courses.php. The Organizing Committee builds the final agenda based on a pre-course survey of 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 members of the Western Society of Weed Science.

The registration fee (\$825.00 by February 28, 2018; \$925.00 on March 1, 2018) includes the educational program, course manuals, laboratory sessions and related course materials, other supplies and daily refreshment breaks. Three lunches and three dinners are also included in the registration.

Lodging is not included in the registration fee. Due to the devastating 2013 floods, Sylvan Dale lodging is limited; additional lodging is available at La Quinta Inn & Suites. Breakfast is included with lodging at both Sylvan Dale and La Quinta.

The short course is limited to 30 participants. 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.

WASHINGTON REPORT

January 19, 2018

Lee Van Wychen

Fiscal Year (FY) 2018 Federal Budget

The government was running on a continuing resolution (CR) for FY 2018 funding through midnight of Jan. 19. As I'm writing this on Jan. 20, the federal government has entered shutdown mode and it's unclear when a deal might be reached on a spending package that would provide funding for the remainder of FY 2018. The House and Senate have passed individual FY 2018 spending bills, but none have gone to conference to iron out differences because Congress also still needs to pass a budget resolution that would waive sequestration caps. In addition, there are other high-profile issues (i.e. dreamers, border wall, debt ceiling, federal disaster aid) that have further complicated a spending agreement. The ag appropriations numbers affecting weed science programs are in pretty good shape, provided we don't have to deal with sequestration caps like we did in FY 2013.

2018 Farm Bill Recommendations

Congress will begin work on a new Farm Bill in 2018. Some of the recommendations the WSSA Science Policy Committee has been exploring include: 1) promote Area-wide IPM programs and funding within USDA-NIFA; 2) incentivize cover crop use and crop insurance programs for weed resistance management; 3) extend data exclusivity period for herbicide registrants in exchange for implementing resistance management stewardship practices; 4) require a National Program Leader for Weed Science in both USDA-ARS and USDA-NIFA; 5) continue support for the Foundation for Food and Agricultural Research (FFAR) and add "invasive species" to its list of priorities; and 6) increasing research funding for weed genomics and "intelligent" weed removal technologies (i.e. precision spraying, self-learning weed removal robots, CO₂ lasers, etc..).

Glyphosate Not Carcinogenic

On November 9, 2017, updated results from the Agricultural Health Study regarding glyphosate use and cancer incidence were published in the Journal of the National Cancer Institute:

<https://academic.oup.com/jnci/advance-article/doi/10.1093/jnci/djx233/4590280>.

The Agricultural Health Study (<https://aghealth.nih.gov/>) has monitored the health outcomes of over 89,000 licensed pesticide applicators and their spouses from Iowa and North Carolina since 1993. In this large, prospective cohort study, **no association was apparent between glyphosate and any solid tumors or lymphoid malignancies overall, including NHL and its subtypes**. Specifically, among 54,251 applicators, 44,932 used glyphosate, including 5,779 incident cancer cases. In unlagged analyses, glyphosate was not statistically significantly associated with cancer at any site.

On December 19, 2017, EPA released its **human health draft risk assessment and supporting documents** that concludes that glyphosate is not likely to be carcinogenic to humans and found no other meaningful risks to human health when the product is used according to the label. EPA will be opening a **60-day public comment period in early 2018** that will be posted in glyphosate's registration review docket EPA-HQ-OPP-2009-0361 on www.regulations.gov.

USDA to Re-engage Stakeholders on Revisions to Biotechnology Regulations

On November 6, USDA-APHIS announced it was withdrawing a proposed rule to revise the Agency's biotechnology regulations and will re-engage with stakeholders to determine

the most effective, science-based approach for regulating the products of modern biotechnology while protecting plant health.

In June, the National and Regional Weed Science Societies submitted comments to APHIS regarding their proposed rule for the importation, interstate movement, and environmental release of certain genetically engineered (GE) organisms. While we complimented APHIS on the many positive aspects of the proposal, we encouraged APHIS to re-propose a rule that minimizes regulatory uncertainty related to their weed risk assessment model. Our submitted comments are at: http://wssa.net/wp-content/uploads/Weed-Science-Societies-Comments-on-APHIS-biotech-proposal_FINAL.pdf

PRIA Reauthorization Path Forward Unclear

The Pesticide Registration Improvement Act (PRIA) sets a fee schedule for registrants (~\$46 million in FY 2017) in exchange for specified time frames for regulatory decisions on low risk products and increased funds for pesticide education and training. PRIA 3 expired on Sept. 30, 2017, but has been temporarily extended in the Continuing Resolution funding the government through Jan. 19. Reauthorization was easily expected in 2017, similar to 2007 and 2013, but environmentalists have made it a political football to protest other regulatory decisions unrelated to PRIA. If PRIA is not re-authorized, we could see the elimination of approximately 200 positions from the EPA Office of Pesticide Programs which is approximately one-third of their workforce. More details about PRIA:

<https://www.epa.gov/sites/production/files/2017-10/documents/session-6-pesticide-registration-improvement-act-update.pdf>

Proposal Would Delay WOTUS “Effective Date” Until 2020

EPA and the Army Corps of Engineers have proposed to delay the effective date of the 2015 Waters of the United States (WOTUS) rule in order to provide regulatory certainty and prevent any confusion from a potential Supreme Court decision in early 2018. This action is separate from the President’s Executive Order on WOTUS issued in February 2017.

The 2015 WOTUS rule had an effective date of August 28, 2015, but the implementation of the rule is currently stayed nationwide by the Sixth Circuit Court. However, the U.S. Supreme Court is currently considering the issue of what court has jurisdiction over challenges to the lawfulness of the WOTUS rule. If it decides the Sixth Circuit does not have jurisdiction, the stay could be lifted, which means the 2015 WOTUS rule could become effective immediately.

The Executive Order issued in February 2017 proposed to rescind the WOTUS rule and to re-codify the regulatory definition that existed prior to 2015 (Step 1), followed by a second outreach period and rulemaking to propose a new definition of “waters of the United States” (Step 2). The comment period on Step 1 closed on September 27, 2017 and the EPA is in the process of reviewing the comments. EPA likely won’t make a final decision on Step 1 until March 2018, which means the Supreme Court could issue a decision on jurisdiction before the EPA has rescinded the 2015 rule.

EPA and the Corp are expected to finalize the delay in the effective date of the 2015 WOTUS rule in early 2018, which means that the 2015 WOTUS rule would not be effective until sometime in 2020, thus providing EPA another two years to rescind the rule and promulgate a replacement rule.

NPDES Fix Legislation

There is a renewed effort on the Senate side to pass a NPDES fix bill, S. 340, which is the companion bill to H.R. 953 on the House side that was passed on May 24, 2017. The bills amend FIFRA and the Clean Water Act to prohibit the EPA from requiring duplicative permitting under the National Pollutant Discharge Elimination System (NPDES) for a discharge of a pesticide from a point source into navigable waters if the pesticide is already approved for aquatic use under FIFRA. The six national and regional weed science societies endorsed letters of support to both the [House on H.R. 953](#) and the [Senate on S. 340](#) and recently endorsed a letter urging the House Ag Committee to include the NPDES-fix language in the 2018 Farm Bill

National Invasive Species Awareness Week: Feb. 26 – Mar. 2, 2018

Planning for National Invasive Species Awareness Week (NISAW) is underway for 2018. In addition to the seminars and webinars in Washington DC during the week, we'd like to highlight invasive species prevention and management activities occurring throughout the year. Activities will be posted on www.nisaw.org as they become available. If you are interested in getting involved with NISAW or would like to sponsor events during the week, please contact me at Lee.VanWychen@wssa.net or Rick Otis with the Reduce Risks from Invasive Species Coalition (RRISC) at rick.otis@rrisc.org.

2017 National Weed Survey Results in Grass Crops Available

Results from the 2017 survey of the most common and troublesome weeds in grass crops are available at: <http://wssa.net/wssa/weed/surveys/>. The crops surveyed included: 1) corn, 2) rice, 3) sorghum, 4) spring cereal grains, 5) winter cereal grains, 6) pastures, rangeland, other hay, and 7) turf. In addition to the survey

data, we have provided a PowerPoint with the results summary of the top ranked weeds in each crop. Below are summaries for spring cereal grains and winter cereal grains:

The **2018 weed survey** will focus on the most common and troublesome weeds in the following non-crop areas: 1) aquatic – irrigation & flood control, 2) aquatic – lakes, rivers, reservoirs, 3) aquatic – ponds, 4) forestry, 5) natural areas – parks, wildlife refuges, 6) ornamentals, and 7) right-of-ways – rail, road, utility.

Top 5 Weeds in Spring Cereal Grains
(20 survey respondents)

<u>MOST COMMON</u>	<u>MOST TROUBLESOME</u>
1 common lambsquarters (12)*	1 wild oat (11)*
2 mustard spp. (11)	2 kochia (8)
3 wild oat (10)	2 wild buckwheat (8)
4 wild buckwheat (8)	2 Canada thistle (8)
4 foxtail spp. (8)	5 Galium spp. (6)

* number of survey respondents who listed the weed species as one of their top 5 weeds in this crop.

- mustard spp. included rapeseed (volunteer canola), wild mustard, wild radish and shepherd's-purse.
- foxtail spp. included green foxtail.
- Galium spp. included catchweed bedstraw (cleavers) and false cleavers.

Top 5 Weeds in Winter Cereal Grains
(41 survey respondents)

<u>MOST COMMON</u>	<u>MOST TROUBLESOME</u>
1 mustard spp. (31)*	1 Bromus spp. (19)*
2 Lamium spp. (23)	1 Italian ryegrass (19)
3 Bromus spp. (18)	3 annual bluegrass (11)
3 Italian ryegrass (18)	4 cereal (feral) rye (10)
5 common chickweed (10)	5 Tie among 3 species (9)

* number of survey respondents who listed the weed species as one of their top 5 weeds in this crop.

- mustard spp. included flaxweed, shepherd's-purse, field pennycress, wild radish, blue, wild, and tumble mustard, and pinnate tansymustard.
- Lamium spp. included henbit and purple deadnettle.
- Bromus spp. included downy, smooth and Japanese brome, and cheat.

Lee Van Wychen, Ph.D.
Science Policy Director – National and Regional Weed Science Societies
Lee.VanWychen@wssa.net
Phone: (202) 746-4686
www.wssa.net

A Directory of Western State Classical Weed Biological Control Specialists

Classical weed biological control is a tactic western land managers may employ as part of an integrated pest management strategy to reduce the abundance and impact of invasive weeds. In December 2017, Joel Price began his tenure as the biological control specialist for the Oregon Department of Agriculture's Noxious Weed Program. We want to welcome Joel and to provide members of the Western Society of Weed Science with a directory of state weed biological control specialists in the west. If you would like to hear more about classical weed biological control, please feel free to contact your state specialist.

CALIFORNIA

Michael J. Pitcairn, Ph.D.
California Department of Food &
Agriculture
(916) 262-2049
mike.pitcairn@cdfa.ca.gov

COLORADO

Dan Bean, Ph.D.
Colorado Department of Agriculture
(970) 464-7916
Dan.bean@state.co.us

IDAHO

Joseph Milan
Bureau of Land Management/
Idaho State Department of Agriculture
(208) 384-3487
jmilan@blm.gov

MONTANA

Melissa Maggio-Kassner
Montana Biocontrol Project
(406) 258-4223
mmaggio@missoulaeduplace.org

NEVADA

Sean Gephart
Nevada Department of Agriculture
(775) 353-3640
sgephart@agri.nv.gov

NEW MEXICO

David C. Thompson
New Mexico State University
(575) 646-1367
dathomps@nmsu.edu

OREGON

Joel Price
Oregon Department of Agriculture
503-986-4624
jprice@oda.state.or.us

UTAH

Amber Mendenhall
Utah Weed Control Association
(435) 830-4146 Office
utahsbuggirl@gmail.com

WASHINGTON

Jennifer Andreas
Washington State University Extension
(253) 445-4657
jandreas@wsu.edu

WYOMING

Aaron Foster, Supervisor
Fremont County Weed & Pest District
(307) 332-1052
afoster@wyoming.com

71st Western Society of Weed Science Annual Meeting

Hyatt Regency Orange County

Anaheim, CA

March 11-15, 2018

Visit the WSWS website (www.wsweedscience.org) for hotel room booking details

Registration Form

Registration	Before 2/12/18	After 2/12/18	Total
Regular Meeting (includes symposium)	<input type="checkbox"/> \$250.00	<input type="checkbox"/> \$350.00	
Student	<input type="checkbox"/> \$125.00	<input type="checkbox"/> \$125.00	
Spouse/Guest	<input type="checkbox"/> \$50.00	<input type="checkbox"/> \$50.00	
Dues Only (not attending the meeting)	<input type="checkbox"/> \$30.00	<input type="checkbox"/> \$30.00	
Total			

Registration Questions:

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.

Are you interested in serving on the Board of Directors? Yes No

Are you interested in serving on a Committee? Awards Fellows and Honorary Members Finance Herbicide Resistant Plants Publications Student Paper Judging Legislative Necrology Local Arrangements Nominations Poster Public Relations Site Selection Sustaining Membership

Would you like a printed copy of the program? Yes No

**WSWS will be utilizing a Mobile Program App this year, printed programs will still be available at the meeting if requested above. Please note that the printed program will not be mailed out ahead of time this year, but will be available before the meeting on the website and through the Mobile App.*

If you are not attending the annual meeting, but want to remain a member, fill out the information below and send \$30.00 for dues.

Last Name _____ First Name _____ Affiliation _____

Mailing Address _____ City _____ State _____ Zip _____

Email Address _____ Phone Number _____

Spouse/Guest Name _____

Classification: Student University Federal Agency State Agency Industry Industry Consulting
 Unemployed Retired Other _____

Payment Type: Credit Card (Online Only) Check Number _____

Send to:

WSWS/Tara Steinke
 12011 Tejon St., Suite 700
 Westminster, CO 80234



Deadline: Mail-in registration must be postmarked by February 12, 2018. 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. No refunds after March 1, 2018. Questions? 303-327-8016 or tara@imigroup.org Note: Onsite registration at the meeting is at the higher rates noted below. The full program will be posted at the website in mid January.

Publications Available from the Western Society of Weed Science

(All prices include shipping and handling; bulk orders may be discounted, see below)

_____ 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 (click on **WEED BOOKS**)

To order by mail and pay by check, send this completed form with payment to:

WSWS Business Manager, 12011 Tejon St., Ste 700, Westminster, CO 80234.

Contact the Business Manager (Tara Steinke) at (303) 327-8016 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
12011 Tejon St., Ste. 700
Westminster, CO 80234