



Western Society of Weed Science Newsletter

205 W. Boutz, Bldg. 4, Ste. 5, Las Cruces, NM 88005

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Fall 2014

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Report from the President by Drew Lyon

The recent midterm elections resulted in a change of power in our federal government. The results may have made you optimistic, pessimistic, or ambivalent about the future of our federal government, but whatever the result was for you, you now have another chance to vote and make a difference. You can help decide the future leadership of the WSWS. The Nominations Committee, chaired by Pam Hutchinson, has put together an excellent slate of candidates for President-Elect, Research Section Chair-Elect, and Education Section Chair-Elect.

Please log into the [WSWS website](#) and cast your vote for these future officers of your society.

As I write this report, autumn weather has suddenly turned to winter weather and field work has come to an abrupt halt. Like me, I'm sure many of you are in the process of compiling and analyzing your data from this past season. As you do so, please give serious thought to sharing your most interesting work with your friends and colleagues in the WSWS. You can do this in a number of different ways. One way is to present your results in an oral or poster paper at the annual meeting next March in Portland. Hopefully, you met the December 1 deadline for submitting titles for the annual meeting. Now you have until March 2, 2015 to write and submit the abstract. Another way to share your results, particularly preliminary results, is to submit a summary of your work to the WSWS Research Progress Report. The deadline for submitting your summaries to Traci Rauch is January 6, 2015. Click on the Publications tab at the top of the [WSWS website](#) to find instructions on preparing and submitting your summaries.

The WSWS Awards Committee, chaired by Carol Mallory-Smith, recently selected the student recipients of the WSWS Student Scholarships. These scholarships help students cover the costs associated with attending the annual meeting. Only three scholarships are given each year. This year's winners are: Kelli Belmont from the University of Idaho, Vipin Kumar from Montana State University, and Breanne Tideman from the University of Alberta. Congratulations to these scholarship winners and thank you to all of the student scholarship applicants! With students like these, the future of weed science is indeed bright.

Joe Yenish is working with his program committee to put together a great program for the annual meeting. One big change we are going to try this year is conducting a symposium on Monday, prior to the start of the annual meeting. The all-day symposium is entitled "Using Various Laboratory Tests and Techniques to Aid in the Diagnosis of Suspected Herbicide Problems." Bill Cobb is organizing the symposium and we hope to attract a good number of crop consultants from the region to the symposium. We will try to keep as many of them as possible around for our annual meeting and perhaps convince a few of them to become active members of our society. If you are interested in attending the symposium, be sure to arrange your travel plans for an earlier than normal arrival in Portland. In fact, with so many fun things to do in Portland and the surrounding area, an early arrival or delayed departure is something everyone should consider.

Downtown Portland is a great place to have our 2015 meeting! I hope you plan to come and contribute to a lively discussion of the issues pertinent to our science. It is also a great place to meet with friends and colleagues and to catch up with what everyone has been up to since our last meeting in Colorado Springs.

I wish you all a great holiday season, and I look forward to seeing many of you in Portland next year.

Portland is Ready for You, Are You Ready for Portland?

If you don't already have it on your calendar, the 2015 WSWs Annual Meeting is scheduled for March 9 through 12, 2015 at the Hilton Portland & Executive Tower in Portland, OR. Title submissions are due the Monday following Thanksgiving, December 1, 2014, for the 2015 annual meeting. The deadline for submitting the abstract and all other abstract information is March 2, 2015. Slide presentations must be submitted by March 4, 2015. When submitting a poster or presentation, please follow the instructions described in the Papers & Posters tab found under the Annual Meeting tab at the WSWs website. Actual submissions are done on the WSSA website at www.wssaabstracts.com. With December 1 being the Monday following Thanksgiving, it will be good idea to mark that date on your calendar so that you can contact any potential co-authors and collaborators first thing Monday to finalize and submit that poster or paper title.

A special symposium is being put together by Dr. Bill Cobb, "Using Various Laboratory Tests and Techniques to Aid in the Diagnosis of Suspected Herbicide Problems." A change for this year is that the Symposium will be held on Monday morning and afternoon preceding the opening of the WSWs Annual Meeting. Please remember that when making travel plans and hotel reservations in preparations for the annual meeting and symposium attendance. A partial intent in holding the symposium prior to the beginning of the annual meeting is to attract a good number of crop consultants from the region, convince them to stick around for the rest of our meeting and, possibly become active members of our society.

Following the symposium, the meeting will kick-off Monday night with the Welcome and Retirees Reception. During the General Session the following morning, we will hear from WSWs President, Drew Lyon, and Science Policy Director, Lee Van Wychen. Filling out the General Session Agenda are a presentation on the development of the Pacific Northwest Wine industry by Dr. Joan Davenport of Washington State University at Prosser and a presentation by Brett Chilcott of AgEagle, on using robotic aircraft (drones) within agriculture and other forms of land management. In addition to the general session presentation, we've invited local representatives of AgEagle to the meeting for one-on-one discussions. In the meantime, information on the company and product line is available at www.AgEagle.com or www.facebook.com/AgEagleLLC.

Ed Davis, Research Section Chair, and Kirk Howatt, Education and Regulatory Section Chair are busy organizing their sessions. Ed and his Project Chairs are planning thought-provoking discussions in Range and Natural Areas, Horticultural Crops, Agronomic Crops, Teaching and Technology Transfer, and Basic Biology and Ecology. These discussion sessions are a unique feature of our annual meetings and you will want to make sure you participate in as many of them as you can.

Begin your plans to attend and participate in the WSWs annual meeting by registering early and making room reservations at the Hilton Portland & Executive Tower for March 9-12, 2015, or plan on coming a day or two early or stay a few extra days. For those planning to fly, flights can be booked into Portland International Airport (PDX). There are many modes of transportation to the hotel from the airport including; limousines, the Super Shuttle, rental cars, taxis, and the MAX light rail system. Reported prices for these transportation options vary from \$2.50 to \$50. However, please look into the various options to see what will work best for you. If driving, please see the hotel website for directions and note valet parking is listed as \$35/day with no on-site option for self-parking. Be warned parking options are limited in the vicinity of the hotel.

We continue to ask WSWs members to consider submitting symposium proposals for future meetings in Albuquerque in 2016 or Coeur d'Alene in 2017. Members are encouraged to creatively design and plan symposia on current or regionally relevant topics. Refer to the spring 2014 issue of the WSWs Newsletter for instructions to submit symposium proposals.

Whether or not you intend to arrive early for the symposium, it might be a good idea to come in early to enjoy the sights, sounds, and activities in the greater Portland area including the Willamette Valley, the Columbia Gorge, and Mt. Hood.

Joe Yenish, Program Chair

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Notes from the Local Arrangements Committee - by Daniel Curtis

Time to think about Portland! Weather in March is variable, last year 50's and 60's for the highs and 30's and 40's for the lows. We can get rain in March so it's good to be prepared. It can also be very nice – we can hope!

Transportation options to the Hilton Hotel and Executive Tower from the Portland airport (PDX):

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 options for those driving:

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.

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. Skiing at Mount Hood should also be available at Timberline and Mt. Hood Meadows Ski Areas. Touring area wineries is very popular. Many wineries are in the area both in the Willamette Valley and in the Columbia Gorge.

Great hiking is available close to downtown Portland 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 23rd 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.

Student Liaison Report - by Marcelo Moretti and Carl Coburn

Congratulations to the students who were selected for the **Elena Sanchez Memorial WSWs Outstanding Student Scholarship Program**. The awarded students will be recognized during the annual meeting in Portland. Thanks for all students who applied, this was a competitive year! Also thanks for the work of the Awards Committee who helped make this scholarship a success.

The scholarship is currently funded by the Silent Auction held during the annual meeting, and to continue doing so we are currently looking for donations. A few donations have come in, but we are a long way to reaching our goal of \$3,000. Any donations, suggestions, or a specific contact at a favorite company whose equipment you use and would like to see at the auction are welcome. Please contact Carl Coburn or Marcelo Moretti, and we would be happy to contact the prospective donors. We are interested in items both for 2015 in Portland and 2016 in New Mexico. As a friendly reminder to the students, the Silent Auction raises money directly for scholarship program, so we highly encourage students to participate by bringing or donating an item from their university.

Finally, the WSWs Student Section has a Facebook page: <https://www.facebook.com/WSWSStudentSection>, or search for "Western Society of Weed Science." We continue to use this webpage as a forum for information that is pertinent to student members, so please 'Like' us so we can update you with meeting information and deadlines. Give us feedback on the page so we can develop it into a useful and informative resource for all WSWs student members. Also, don't forget the Student Site on the WSWs website: <http://www.wsweedscience.org/student-site/>. This page contains everything you need to know about the scholarship program and the upcoming meeting. As always contact Carl Coburn (ccoburn2@uwyo.edu) or Marcelo Moretti (mlmoretti@ucdavis.edu) with any questions.

Marcelo L Moretti, Student Section Chair

Carl Coburn, Student Section Chair

Treasurer / Business Manager

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Publications

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

WSSA Journals Website Online
www.WSSAJournals.org

Calendar of Events

California Weed Science Society Annual Meeting
January 21-23, 2015
Santa Barbara, California
www.cwss.org

Weed Science Society of America Annual Meeting
February 9-12, 2015
Lexington, Kentucky
www.wssa.net

Western Society of Weed Science Annual Meeting
March 9-12, 2015
Portland, Oregon
www.wsweedscience.org

8th International IPM Symposium: IPM – Solutions for a Changing World
March 23-26, 2015
Salt Lake City, Utah
www.ipmcenters.org/ipmsymposium15/

Western Invasive Weed Short Course
April 20-23, 2015
Loveland, Colorado
www.mountainwestpest.com/ShortCourse.html



Invasive Species Management Association *National Organization Advances Local Goals*

Aaron Foster, Fremont County Weed & Pest District Supervisor based in Lander, Wyoming, was named President of North American Invasive Species Management Association (NAISMA) at the 2014 Annual Conference held in Fargo, North Dakota this October.

Aaron commented, “NAISMA provides invaluable educational and networking opportunities. With the support of my NAISMA colleagues, I’m excited to help further the professionals who are working to curb the environmental and economic impacts of invasive species.”

Phil Banks, NAISMA Executive Director, stated, “We look forward to advancing the mission of NAISMA under Aaron’s leadership. He has already taken great strides in member relations and industry outreach.”

The mission of NAISMA is to promote & empower invasive species management in North America. The organization’s members are a diverse group of invasive species management professionals. Aaron will serve with board members who are from the United States and Canada: Jennifer Grenz from British Columbia, Rob Schultz from Nebraska, Laura Poile from Alberta, Kenny Baccus from Kansas, Tim Higgs from Utah, Derrill Fick from North Dakota, Teresa Wickeham from Minnesota, Stephanie Naftal from Montana, David Moorhead from Georgia, Julie Knudson from Colorado, Mike Stenson from South Dakota, and Jamie Greer from Nevada.

For more information about NAISMA, please visit www.naisma.org or contact Phil Banks, Executive Director, marathonag@zianet.com or (575) 649-7157.

North American Invasive Species Management Association
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Email: marathonag@zianet.com

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

To register for the course:

Sandra McDonald
970-266-9573

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.

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.

Notes from the Business Office

It's now time to register for the 2015 annual meeting in Portland, Oregon by going to the annual meeting page on the website (<http://www.wsweedscience.org/annual-meeting/>) or you can use the registration form found in this newsletter if you want to pay by check. Preregistration rates end on February 13, and will be \$100 more expensive. Also, you must make your room reservations before February 13 in order to get a room at our block rate (\$129.00/night for a single or double). Room reservations can be made by following this link: <https://aws.passkey.com/event/11621542/owner/4173/home> or by calling (503) 226-1611.

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.

Phil Banks, WSWWS Business Manager/Treasurer

STUDENT PAPER AND POSTER CONTEST INFORMATION

Don Morishita - Chair

The Student Paper and Poster contest at the Western Society of Weed Science Annual Meeting offers students an opportunity to improve their presentation skills and increase their visibility within the Society. The top students in each division of the contest will be recognized with a plaque and receive a cash award to honor their achievement.

All graduate students are encouraged to enter one paper and/or one poster in the contest. Undergraduate students may enter one poster in the contest. Other papers or posters may be submitted in the project sessions outside the context of the contest. Information presented in the WSWs Student Paper and

Poster Contest is to be original and unique. If a topic has been used by the author in another presentation, additional data must be included to constitute a unique presentation. Information regarding the scoring of papers and posters is listed in the table below.

As the chair of the 2015 Student Paper and Poster contest, I am asking for volunteers to participate as judges for this competition. If you haven't done this before, it is a rewarding experience to provide valuable feedback to our students who are giving oral or poster presentations. If you are interested in volunteering, please contact me by email (don@uidaho.edu) or call me (208 423-6616).

Paper Contest*	Points	Criteria
Abstract	10	Format, grammar, and content
Introductions	10	Rational, hypothesis, and objectives
Methods	15	Experimental design, treatments, measurements, and statistical analysis
Results and Discussion	25	Results, interpretation, conclusions, future directions, and implications
Visual Aids	15	Easily read; uncluttered; in focus; balance to text, tables, figures, and photographs
Oration	20	Voice, confidence, enthusiasm, enunciations, and response to questions
Time	5	Allowed 2 to 4 minutes for questions (all-or-nothing points)
Total	100	

*Previous first place winners in the paper contest are ineligible for the paper contest, but may enter the poster contest.

Poster Contest*	Points	Criteria
Abstract	10	Format, grammar, and content
Content and Mechanics	15	Grammar, style, and quantity of information
Development	20	Rationale, hypothesis, objectives, organization, and methods
Analysis of Results	20	Results, interpretation, conclusions, future directions, and implications
Appearance	20	Easily read, uncluttered, well-designed tables and figures, clear and relevant photographs, and balanced layout
Oration	10	Voice, confidence, enthusiasm, enunciations, and response to
Physical Presence	5	Interaction with audience and mannerisms
Total	100	

*Previous first place winners in the poster contest are ineligible for the poster contest, but may enter the paper contest.

WSWS REGISTRATION FORM
68th ANNUAL WESTERN SOCIETY OF WEED SCIENCE MEETING
Hilton Portland & Executive Towers
 (see the WSWS website www.wsweedscience.org for room booking details)
MARCH 9-12, 2015

Deadline: Mail-in registration must be postmarked by February 13, 2015. PAYMENT MUST ACCOMPANY REGISTRATION-NO EXCEPTIONS. Check or Money Order (U.S. Dollars) Only. Credit card payments may be made with online registration or call 575-649-7157.
Visit: www.wsweedscience.org No refunds after March 1, 2015.

<u>Registration</u>	<u>Mail by 2/13/15</u>	<u>After 2/13/15</u>	<u>Total</u>
___ Regular Meeting	\$ 230.00	\$ 330.00	___
___ Student	\$ 100.00	\$ 100.00	___
___ Spouse	\$ 30.00	\$ 30.00	___
	Total Remittance		\$ ___

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	
<hr/>			
Mailing address	City	State	Zip code
<hr/>			
Phone number with area code	e-mail address		
<hr/>			
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
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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 (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: _____

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.



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