



Western Society of Weed Science Newsletter

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2012 WSWS annual meeting on March 12-15, 2012 at the Peppermill Resort Hotel in Reno, NV

Fall 2011

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Report from the President

by Vanelle Peterson

I hope that you all have had a good field season and that you may be getting to a point where things in the field are slowing down a bit and data analysis is in full swing. One thing you may want to consider doing is sharing your data in a paper or poster at the upcoming 2012 WSWS annual meeting on March 12-15, 2012 at the Peppermill Resort Hotel in Reno, NV. **Titles for this year's meeting are due with submission through the WSSA website again this year (<http://wssaabstracts.com>) by Friday December 2.** Thanks to some early birds, 3 papers and 7 posters have been submitted – keep 'em coming!

Remember that registration for the meeting needs to be done at the WSWS web site (wsweedscience.org). As I reported to you in the last newsletter, at the summer Board meeting the finance committee recommended, and the board voted to raise meeting member registration by \$25 (\$205 to \$230) and student registration by \$20 (\$80 to 100). We hope that the membership understands that we were reluctant to do this but need to make sure that the society remains sustainable.

You may all be wondering how the finances of the society are doing. In August the Finance Committee reported that investments were up about 5%. The market has had some wide swings since then and will probably continue to be unpredictable for a while. The society's investor, Stan Cooper with RCB, recommended that the society move much of the society's investments into less risky investments a few years ago before the economy took this downturn. Stan has done well for the society with that recommendation so the society's finances are doing alright. He continues to make conservative investments and may make some changes in the next 6-12 months if there are some decent opportunities. Fortunately the *Weeds of the West* continues to sell well and help support the finances of WSWS.

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President-elect and program chair, Kai Umeda, has been hard at work on the program which includes 2 symposia, one on Wednesday on *Future Trends in Tree Fruit and Vines Weed Control: The Development of Glyphosate Resistant Weed Populations in Orchards and How to Manage Effective Weed Control Programs*, and another on Thursday on *Ecology and Management of Downy Brome (Bromus tectorum) in the West: What can the past tell us about the future?* The symposium on downy brome will continue into Thursday afternoon so you might want to plan ahead to stay a bit longer to hear the whole symposium.

A couple of reminders:

You might consider nominating a worthy colleague for one of the WSWS awards. Nominations really don't take much time to complete and are a great way to recognize your colleagues. Nomination packages are due on December 1 and, as always, will be presented at the annual meeting. Information about each award, who to send the nomination to, and instructions about the nomination packages can be found on the society website.

Also, don't forget to vote for the officers for next year. The ballot is online and does not take much time to complete. The deadline for voting is easy to remember because it is the same day, December 1, nominations are due. Your participation is critical to the society.

The 2012 WSWS Noxious Weed Short Course organized by Sandra McDonald will be held on April 16-19, 2012 at the Sylvan Dale Guest Ranch in Loveland, Colorado. It's not too early to start thinking about registering for this course. You can register at the web site, www.wsweedscience.org/shortcourse/shortcourse.asp or contact Sandra at 970-266-9573 or Sandra@MountainWestPEST.com. Consider advertising the course in any communications that you have with budding weed scientists that deal with noxious and invasive weeds.

Thank you for the opportunity to serve the society. It is a pleasure to work with Phil Banks, our business manager, and the Board of Directors. See you in Reno! Vanelle (503-829-4933, vfpeterson@dow.com).

Student Liaison Report by Mike Ostlie

Even though it's still fall, the Reno meeting is just around the corner. As such, Cameron and I are looking for individuals interested in serving as the next Student Liaison. The Student Liaison is a two year position. The first year is

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served getting to know the system and the second year the liaison serves as a voting member on the Board of Directors and coordinates the student activities at the meeting. We are now accepting nominations for the position until the end of February. Feel free to nominate yourself or someone else who might be interested. You can e-mail me for the nominations or any other questions you may have (mostlie@rams.colostate.edu). The Student Liaison will be elected at the student luncheon.

When registering for the annual meeting, you will notice there is once again an option to participate in the Student Night Out event. To sign up, you will simply need to select which employment sector you are most interested in and you will be matched to a professional in that field. The options are: academia, government, and industry. The idea is to create new contacts and gain some information about potential career options in a casual setting.

Don't forget, the WSWS offers a \$25 per night (for three nights) room stipend to students to supplement the cost of attending the meeting. Student can apply for the stipend after the meeting.

Once again there are many free activities for WSWS students. When the program comes out, keep track of times and places for the student luncheon, student reception, Student Night Out, and of course the awards breakfast. New this year, there will be a silent auction to benefit further funding of student events and scholarships.

If you have any questions feel free to contact Cameron (cameron.douglass@colostate.edu) or myself.

It's time to prepare for Reno by Kai Umeda, WSWS Program Chairperson

There is less than a month remaining to submit titles and authors for presenting oral papers or posters at the 2012 WSWS Annual Meeting in Reno, NV. The deadline is Friday, December 2. The final abstract will have to be submitted by Friday, February 17, 2012. All submissions for presentations must be done per instructions described in our website at wsweedscience.org under "annual meeting" and "papers and posters". The actual submission is done on the WSSA website at wssaabstracts.com.

As of this writing, I saw only eight submissions on the WSSA online submissions website. Everyone must be frantically harvesting and then crunching numbers to

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Publication

WSWS ONLINE EDUCATION

<http://www.wsweedscience.org/contacts/Events/Education/factsheets.asp>

WSWS Journals Website Online

www.WSSAJournals.org

Calendar of Events

prepare their submissions. I know the feeling as I am writing reports for the past year's projects and at the same time putting out fall/winter field trials. Please don't let time fly by and have to rush at the last minute to complete a title submission.

In Reno, there will be two symposia that should draw interested attendees from neighboring populous California. On Wednesday, March 14, tree fruit, nut, and vine growers and consultants should be attracted to the Horticulture Project symposium - *Future Trends in Tree Fruit and Vines Weed Control: The Development of Glyphosate Resistant Weed Populations in Orchards and How to Manage Effective Weed Control Programs*. A range of speakers from across research, extension, and industry will provide a broad balance of the issues and opportunities for effective weed control in tree and vine crops.

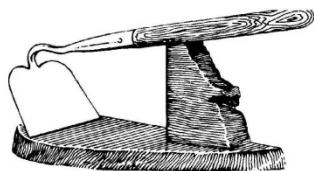
The second will be a special extended symposium into Thursday afternoon, March 15 - *Ecology and Management of Downy Brome (*Bromus tectorum*) in the West: What can the past tell us about the future?* Researcher perspectives from non-crop and agronomic systems from the Pacific Northwest, Great Basin, Southern Rockies, and Northern Rockies will answer the questions of how has the problem changed over time and what are the state of the art management principles in each system? There should be wide interest in the symposium from all sectors of the WSWS membership in addition to the Californians and local Nevadans. Non-members can attend only this symposium at a special rate (see registration form).

Opening the conference on Tuesday morning, March 13, will be an invited presentation about ethics and weed science by WSWS Fellow Robert Zimdahl, retired from Colorado State University. Robert Norris, emeritus weed scientist from UC Davis, will briefly describe the history of WSWS, and then Lars Anderson, USDA-ARS at UC Davis, will enlighten us about aquatic weed management activities at Lake Tahoe.

The Education and Regulatory Section Chairperson, Tim Prather is busily organizing his session as well as Research Section Chairperson, Joe Yenish, together with each of the Project Chairpersons for discussions in Range and Natural Areas, Horticultural Crops, Agronomic Crops, Teaching and Technology Transfer, and Basic Biology and Ecology.

Begin making plans to attend and participate in the WSWS annual meeting by registering early and making room reservations at the Peppermill Resort, Spa, and Casino for March 12-15. Look out for deals on airfares to Reno because spring break for school kids will get skiers on the slopes above Lake Tahoe.

We continue to ask WSWS members to consider submitting proposals for future



The
California Weed Science Society

www.cwss.org

64th Annual Conference

“The Value of Weed Control:
What’s it All Worth?”

January 23, 24, 25 2012

Fess Parker’s DoubleTree Resort

633 East Cabrillo Boulevard
Santa Barbara, CA 93103
(805) 564-4333

Featured Sessions:

- Weed School: Environmental Fate of Herbicides
- Student Oral Paper and Poster contests
- New research and updates on weed biology and management in CA agricultural crops and orchards, turf & ornamentals, roadside & industrial sites, forestry, range & natural areas, and aquatic sites.
- Laws and Regulations Session

NEW THIS YEAR

*CWSS Social Event – Sunday, Jan 22
The NFL Playoff Game*

DPR hours have been requested

Conference registration: Visit our website www.cwss.org or call CWSS at (831) 442-0883 to obtain a program agenda and registration form. *Payments by check or VISA/MasterCard are accepted.*

Hotel reservations: Special rates available online at: <http://doubletree.hilton.com/en/dt/groups/personalized/S/SBAMCDT-CWS-20120121/index.jhtml>

December 12-15

North Central Weed Science Society Annual Meeting

www.ncwss.org

February 6-9, 2012

Weed Science Society of America Annual Meeting

Charleston, South Carolina

www.wssa.net

meetings in San Diego in 2013 and Colorado Springs in 2014. Members are encouraged to creatively design and plan timely or regionally relevant topics for future symposia. Refer to the Spring 2011 issue of the WSWs Newsletter for instructions to submit symposium proposals.

2011 WSWs Noxious Weed Short Course a Success by Sandra McDonald

The Western Society of Weed Science Noxious Weed Short Course is now being held at the Sylvan Dale Guest Ranch in Loveland, CO. Sylvan Dale is a 3200-acre historic working horse and cattle ranch nestled along the banks of Colorado's beautiful Big Thompson River in the foothills near Rocky Mountain National Park and Estes Park.

The 2011 Short Course was very successful. Participants came from six states: Colorado, Idaho, Montana, New Mexico, Washington, and Wyoming and represented nine organization categories – County Weed Programs, US Forest Service, State Weed Programs, University Extension, Bureau of Land Management, Private Consultants, Environmental Protection Agency, Military, and State Department of Transportation.

Comments from 2011 Short Course Participants

"Very good! Amazing talent and expertise in a beautiful setting."

"Very well timed to maximize 'learning' time and allow for absorption of material, not just 'teaching to the test.'"

"An impressive slate of instructors who were very well versed in their respective specialty."

"Weed walk was great! Enjoyed interactive situations. I learned a lot of very valuable information that will help me..."

"The CD with the course info + presentation is a big plus. Very helpful reference material."

"The overall experience was great, especially the approachability of the presenters..."

The 2011 course stressed ecologically-based invasive plant management and included monitoring and assessment, prevention, cultural, mechanical and chemical plant management using interactive sessions. A variety of training techniques were utilized including classroom lecture, hands-on demonstration, field plots, live weed and herbicide symptomology specimens, facilitated discussion, small group projects, educational games, and time for individual

Reminders/Deadlines

If you know of any of your WSWs colleagues who are retiring between March 2011 and March 2012, could you please forward their name to Joe DiTomaso (jmditomaso@ucdavis.edu).

The WSWs meeting in Reno is fast approaching! New this year, there will be a silent auction at the Monday night reception. The proceeds from the auction will go toward student scholarships and activities. We are currently looking for items to include in the auction. If you have any ideas or access to items you are willing to donate, please contact myself or Cameron Douglass (cdouglas@lamar.colostate.edu). To make life easier for bidders, items should be relatively easy to transport on a plane or be usable in most areas of the western United States.

1. Nominations for Awards are due on December 1, 2011. The Award Categories are: OUTSTANDING WEED SCIENTIST, OUTSTANDING WEED SCIENTIST – EARLY CAREER, WEED MANAGER, and PROFESSIONAL STAFF. Details for qualifications and instructions for making a nomination are posted at www.wsweedscience.org. Questions should be directed to the Awards Committee Chair, Jill Schroeder, jischroe@nmsu.edu

2. Nominations for Fellow or Honorary Member are due on December 1, 2011. Instructions and forms are on the website under the Annual Meeting tab. Contact Celestine Duncan, weeds1@wildblue.net if you have questions.

3. The deadline for submitting a title for the upcoming Reno, NV meeting is also December 1, 2011. Instructions are in the Call for Papers at the WSWs website, or you can go directly to the title/abstract submission site at <https://wssaabstracts.com/user/home.php> Questions should be directed to the Program Chair, Kai Umeda, kumeda@cals.arizona.edu

4. Officer Elections Now Open! Elections for 2012-13 WSWs Officers is now available through December 1, 2011. Go to the website to vote.

interaction with instructors.

A Pre-Course Survey was sent to the participants after they registered to help determine some of the sessions. This allowed the instructors to tailor sessions

to the interests of the participants. Based on the results we developed sessions specifically about:

- How to measure economic and ecological impacts
- Restoration of highly disturbed area
- New invaders
- Aquatic invaders

Specific management information was proved for spotted/diffuse knapweed, Russian knapweed, houndstongue, leafy spurge, oxeye daisy, sulfur cinquefoil, yellow toadflax and Dalmatian toadflax.

Participants arrived on Monday afternoon and the Short Course began with registration and a pre-test for evaluation purposes. Monday evening participants joined instructors for a "Twilight Weed Walk." Tuesday was a full day of sessions. Tuesday evening was a group picnic and Game Night; the games all had a weed-related theme. Wednesday was another full day session. The Short Course concluded on Thursday afternoon with groups developing invasive weed management plans for Sylvan Dale Guest Ranch and a post-test.

Pesticide continuing education units (CEUs) were sought and received for sessions meeting the state's requirements in Colorado, Idaho, Montana, New Mexico, Washington, and Wyoming.

The 2012 Short Course is currently being planned. All of the trainers for the 2011 Short Course will be returning in 2012:

- George Beck – Weed Identification & Management, CSU Extension Weed Specialist
- Tim D'Amato -- Application Equipment & Calibration, Larimer County Weed District Manager
- Joe DiTomaso – Weed Identification & Management, University of California Davis
- Bobby Goeman -- Application Equipment & Calibration, Larimer County Weed Specialist
- Tim Miller – Weed Identification & Management; Washing State University, Weed Specialist
- Sandra McDonald – Applicator Safety; Labels; Formulations, Mountain West PEST
- Scott Nissen – Herbicide Mode-of-Action & Symptomology; Restoration, CSU Weed Specialist
- Andrew Norton – CSU Entomologist – Weed Biocontrol
- Terri Schulz – Restoration, Revegetation and Management Planning, Ecologist, TNC

5. Remember to preregister for the meeting and make your hotel reservation before the February 18, 2012 deadline. Instructions are at the website.

Necrology Committee Request

As Chair of the Necrology Committee it is my responsibility to make sure that we recognize any members of the society that have passed away this year. If you know of any members who have recently passed, please forward their names (and obituary) to me (at jaroncoroni@ucdavis.edu) so that we can recognize them at the upcoming meeting.

Errata: August Newsletter

In the caption for the OK State university team it says that coach Joe Armstrong is in the photo. Unfortunately he was unable to make the contest. In the photo the person on the far right is Robert Norris, retired UC Davis.

3rd place – Oklahoma State University Pictured Vanelle Peterson (team members: Lydia Tomlinson, Robert-Steven Calhoun, Samantha Ambrose, Matt Terry and coach Robert Norris)



- Bob Wolf – Application Technology, Wolf Consulting & Research

Dave Armstrong, Resident Naturalist Sylvan Dale Guest Ranch joined the team as a Special Guest Trainer. David provided evening sessions on the natural history and geology of Sylvan Dale.

The 2012 Noxious Weed Short Course will be held April 16-19, 2012, at the Sylvan Dale Guest Ranch in Loveland, Colorado. Enrollment will be accepted on a first-come, first-serve basis and is limited to 48 participants. Participants who are not able to enroll in the current course will be placed on a waiting list and will be given first priority for enrollment in the 2013 Short Course.

The registration fee provides each attendee the educational program, an electronic version of PowerPoint presentations, course manuals, laboratory sessions and related course materials, other supplies and daily refreshment breaks. The Sylvan Dale lodging package is separate and includes three nights lodging and nine meals.

To register or for further information please visit www.wsweedscience.org/shortcourse/shortcourse.asp or contact Sandra McDonald at 970-266-9573 or Sandra@MountainWestPEST.com

[See photo album on last page of this newsletter](#)

The Jepson Manual Vascular Plants of California, Second Edition

Pre-Publication Special - 20% Off

Enter code 12W7351 in the shopping cart at checkout to save.

Discount only available on books shipped to North America, South America, Australia, and New Zealand.

The Jepson Manual Vascular Plants of California, Second Edition

Thoroughly Revised and Expanded

Bruce G. Baldwin (Editor), Douglas H. Goldman (Editor), David J Keil (Editor), Robert Patterson (Editor), Thomas J. Rosatti (Editor)

Available worldwide

Hardcover, 1600 pages

ISBN: 9780520253124

Available January 2012 Go to:

<http://www.ucpress.edu/book.php?isbn=9780520253124>

\$100.00 (pre-print discount price).

Washington Report

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WSSA Herbicide-Resistant Weed Tour for the EPA

On August 15-17, 2011 the WSSA hosted a field tour of herbicide-resistant weed infestations in Missouri, Illinois, and Arkansas for officials representing the U.S. EPA and the USDA Office of Pest Management Policy. We heard from an array of experts dealing with the ever-expanding herbicide-resistance weed problem that included crop consultants, agronomists, farmers, and university extension personnel. This tour would not have been possible without the outstanding leadership and organization by Dr. Kevin Bradley, University of Missouri, Dr. Bryan Young, Southern Illinois University, and Dr. Jason Norsworthy, University of Arkansas. In addition, Dr. Jill Schroeder, WSSA liaison to EPA helped coordinate the EPA contingent. The tour was sponsored by the United Soybean Board, the Illinois Soybean Association, the North Central Weed Science Society of America, and the WSSA.

The tour started in central Missouri where Kevin Bradley showed us two field sites. The first field had a population of giant ragweed that was resistant to glyphosate and the second field had a population of waterhemp that survived three applications of glyphosate AND three applications of PPO-inhibiting herbicides. The tour continued through southwestern Illinois where Bryan Young discussed the presence and spread of glyphosate-resistant marestail, waterhemp and Palmer amaranth. We observed many fields were glyphosate-resistant waterhemp had become a problem in the last year or two, and were only going to get worse, potentially leading to multiple herbicide resistance in waterhemp. Travel through northeast Arkansas was directed by Jason Norsworthy and Ken Smith, who inundated us with repeated fields of cotton and soybean infested with glyphosate-resistant Palmer amaranth. Many fields were being hand weeded and some were terminated with tillage because of complete crop failure due to herbicide resistance weeds.

The tour provided a first-hand look at the scope, impact, and unique challenges that growers faced when trying to manage herbicide resistant weeds. We saw which best management practices were being used and why. We also saw how the complexity and economics of crop production sometimes prevented or limited other best management practices from being implemented. I think everyone on this tour gained a greater understanding of the realities of battling glyphosate-resistant weeds. It will take a herculean effort from all stakeholders to implement technologies and practices that will thwart the continued escalation of this problem.

Dr. Schroeder did a great job compiling the [full report](#), which can be found at www.wssa.net



PICTURE CAPTION: *WSSA herbicide resistance tour participants on August 17 (front row L to R): Mike Barrett, WSSA President; Stewart Weaver, Arkansas farmer; Jill Schroeder, WSSA Subject Matter Expert to EPA; Kevin Bradley, University of Missouri; (middle row L to R): Carissa Cyran, EPA Pesticide Re-Evaluation Division; Melanie Biscoe, EPA Pesticide Re-Evaluation Division; Maggie Rudick, EPA Registration Division; Lee Van Wychen, WSSA Director of Science Policy; (back row L to R): Ken Smith, University of Arkansas; Jason Norsworthy, University of Arkansas; Dan Kenny, EPA Registration Division; Derek Berwald, EPA Biological and Economic Analysis Division; Bill Chism, EPA Biological and Economic Analysis Division; Julie Langsdale Van Alstine, EPA Health Effects Division; Harold Coble, USDA Office of Pest Management Policy; Bryan Young, Southern Illinois University; Brian Kiernan, EPA Environmental Fate and Effects Division; Grant Rowland, EPA Registration Division; Mike Mendelsohn, EPA Biopesticides and Pollution Prevention Division.*

Senate FY 2012 USDA Research Funding Outlook Better than House

The Senate Appropriations Committee passed its version of the FY 2012 Agriculture Appropriations bill on September 7. Unlike the House Ag Approps committee, most agencies and programs in the Senate version of the ag bill saw realistic numbers given their past performance and accomplishments in light of the federal budget crunch. It was disappointing to see Rep. Kingston and his staffers throw out double digit reductions in ag research programs this spring. Kudos to Sen. Kohl and his staff for their foresight and commitment to agriculture and food research. The ag approps bill is part of the first “minibus” appropriations package along with 2 other approps bills. With any luck, we will have a 2012 ag appropriations bill finalized before Thanksgiving

<u>USDA Program Description</u>	<u>FY 2011</u>	<u>FY 2012 House</u>	<u>FY 2012 Senate</u>
	Dollars in Thousands		
Agricultural Research Service	\$1,133,230	\$987,581	\$1,094,647
Economic Research Service	\$81,814	\$69,454	\$77,723
National Ag Statistics Service	\$156,447	\$148,340	\$152,616
National Institute of Food Agriculture	\$698,740	\$591,748	\$709,825
- Hatch Act	\$236,334	\$208,000	\$236,334
- Cooperative Forestry Research	\$32,934	\$30,000	\$32,934
- Improved Pest Management & Biological Control	\$16,153	\$14,000	\$15,830
- Ag and Food Research Init. (AFRI)	\$264,470	\$229,500	\$265,987
- Extension Activities	\$479,132	\$407,993	\$478,179
- Smith Lever	\$293,911	\$259,200	\$295,800

- Integrated Activities	\$36,926	\$8,000	\$8,000
- Section 406	\$29,000	\$8,000	\$17,964
- Regional IPM Centers	\$3,000	\$4,000	\$2,994
- FQPA Risk Mitigation (RAMP)	\$0	\$0	\$0
- Crops affected by FQPA (CAR)	\$0	\$0	\$0
- Methyl Bromide Transitions	\$2,000	\$0	\$1,996
- Organic Transitions	\$4,000	\$4,000	\$3,992
Animal and Plant Health Inspec. Serv.	\$863,270	\$783,838	\$820,110

NPDES Permits now Required for Aquatic Applications

Despite having a 2/3's majority support in both the House and Senate, Sen. Barbara Boxer (CA) managed to block H.R. 872 from coming to the Senate floor for a vote. H.R. 872 ensures that pesticide applications over or near water are regulated through the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) and fixes some misguided court decisions that have resulted in a duplicative and costly National Pollutant Discharge Elimination System (NPDES) permit.

Thus, on October 31, 2011 EPA issued a final NPDES Pesticide General Permit (PGP) for point source discharges from the application of pesticides to waters of the United States. While the permit requirements must be met as of October 31, applicators will be covered automatically under the PGP without submitting a Notice of Intent (NOI) for any discharges before January 12, 2012. To continue coverage after January 12, 2012, those operators who are required to submit NOIs will need to do so at least 10 days (or 30 days for discharges to National Marine Fisheries Service (NMFS) Listed Resources of Concern) prior to January 12. For the first 120 days that the permit is in effect, EPA will focus on providing compliance assistance and education of the permit requirements, rather than on enforcement actions. EPA will host a free webcast on NPDES Permit requirements on Nov. 22 and a second one on Dec. 7. For more information and to register, [please click here](#).

Senate includes \$4 Million for the Corps' Aquatic Plant Control Research Program

The Assistant Secretary of the Army for Civil Works, Jo-Ellen Darcy, made the poorly informed decision to eliminate funding the U.S. Army Corps of Engineers' Aquatic Plant Control Research Program (APCRP) in the FY 2012 budget. This is the nation's only federally authorized program for research and development of science-based management strategies for invasive aquatic weeds. We have asked the Army Corps of Engineers and Congress to restore funding to \$4 million for FY 2012. While our efforts to get the funding restored by the House fell on deaf ears, the Senate Appropriations Committee included that amount in their mark-up of the FY 2012 Energy and Water appropriations bill. We were happy to learn that the Senate version of the Energy and Water appropriations bill will be one of the three approps bill in the "2nd minibuss" appropriations package.

There is no question that the work conducted by APCRP's 18 research scientists has been effective, efficient, and invaluable in our nation's fight against foreign aquatic invaders. We applaud the Senate Appropriations Committee on Energy and Water for restoring \$4 million for APCRP. It would be a grave mistake by the Corps' to eliminate the expertise and institutional knowledge encompassed by APCRP. There is still a lot of FY 2012 fiscal drama to play out, but we hope that the Senate's version of the Energy and Water approps bill will survive the joint conference committee for the 2nd minibuss and become law.



SAVE THE DATE – the next National Invasive Species Awareness Week (NISAW) will be held February 26 to March 3, 2012 in Washington DC. A week of activities, briefings, workshops and events focused on strategizing solutions to address invasive species prevention, detection, monitoring, control and management issues at local, state, tribal, regional, national and international scales.

HIGHLIGHTS INCLUDE:

- National Invasive Species Council public meeting
- Grassroots action to prevent and control invasive species – Panel discussions and Webinar
 - Success stories and challenges
 - Cooperative Weed and Invasive Species Management Areas and Tribal efforts
- Capitol Hill Briefings on aquatic invasive species, including quagga and zebra mussels and Asian Carp
- Workshop on invasive species prevention and management in urban areas
- Invasive Species Award Ceremony and Reception
- Kids Invasive Species Awareness Day at the US Botanic Garden
- Invasive Plant Issues and Solutions
- Prevention through outreach and awareness – Experts panel on lessons learned
- Invasive Species Solutions – poster session
- Update by federal agencies on important invasive species issues and initiatives
- State and Local events highlighting invasive species efforts throughout the country!

Check www.nisaw.org for more details and further developments.

1st Annual

North American Invasive Plant Ecology and Management Short Course (NAIPSC)

Steve Young, Weed Ecologist
University of Nebraska-Lincoln West Central Research & Extension Center
North Platte, NE

August 25, 2011. The first annual North American Invasive Plant Ecology and Management Short Course (NAIPSC) was held July 6-8, 2011 at the University of Nebraska-Lincoln West Central Research & Extension Center in North Platte, NE. The 38 participants that attended the 2011 NAIPSC included landowners, land managers from several agencies (e.g., NRCS, Nebraska Department of Agriculture, Army Corps of Engineers), county weed superintendents, and graduate students from as far away as the state of Washington. The 3-day course advanced participant understanding in many areas of invasive plant ecology and management.

Overall, participants rated the NAIPSC as a good or excellent program. Several participants commented that the NAIPSC was one of the best meetings on invasive plant species that they had attended in many years or ever. All participants improved their knowledge of long-term weed management in natural systems and many had plans to look for new ways to integrate control efforts in the near future using what they had learned at the NAIPSC. As a result of the NAIPSC experience, a majority of the participants had gained new skills and abilities in preventing invasive plant infestations using early detection rapid response and properly identifying invasive plant species with keys and computer programs. More than half of the participants stated that they would make management changes as a result of the NAIPSC. For example, several participants said they would try to improve their approach in working with landowners to better integrate management, identify species, or adopt revegetation techniques to control invasive plant species. All participants felt that the resources they spent on the NAIPSC were a good investment, even if they were already familiar with the material. One participant said that the NAIPSC was the best program they had attended in years and it gave them more depth from which to teach others.

At the 2011 NAIPSC, participants were exposed to and involved in discussions on ecological aspects of integrated invasive plant management. Restoration or revegetation is one 'tool' that is not often included in strategies for managing invasive plant species. In addition, careful surveying and monitoring of invasive plant species is a newer practice in invasive plant management that is now possible through advancements in technology and computer modeling. The use of risk maps to determine potential spread and establishment of invasive plant species will be important as fewer resources are available to manage an increasing number of infested acres. Practices associated with these newer as well as more traditional methods taught at the 2011 NAIPSC could be directly implemented on more than 150,000 acres with an indirect impact on more than 1.3 million acres.

Over 20 different teaching and learning opportunities were offered during the 3-day NAIPSC to close to 40 participants. Strategic identification and monitoring of invasive plant populations in combination with revegetation could ultimately result in fewer acres treated regularly with herbicides and improved habitat that is more diverse and contributes to a normally functioning and balanced ecosystem. A sustainable and integrated invasive plant management plan has benefits to society and the environment. As land owners and managers become aware of and educated on the ecological principles for long-term management of invasive plant species, their activities have direct effects on the acreages they manage or own and indirect effects on neighbors and others that they interact with over time.



The NAIPSC is a venue that was created for the exchange of information between experts in various fields of invasive plant ecology and management and participants from a range of backgrounds and experiences. The participants were able to see, hear, and talk about the latest approaches for invasive plant management. In addition, participants, including graduate students, had the opportunity to apply their knowledge gained by completing a pre-/post-course test and a series of problem sets related directly to the material covered in the NAIPSC. It is anticipated that through continued dialogue via the NAIPSC web page, participants will have an interactive resource to refer to, should their materials be insufficient in answering their questions related to the ecology and management of invasive plant species.

Participants at the 2011 NAIPSC learning about field research on invasive plant species (Photo credit – G. Hanson, UNL).

Organizers of the NAIPSC are already planning for 2012, which they anticipate to be just as good, if not better than 2011. The NAIPSC is now on Facebook and Twitter. Check the NAIPSC website (<http://ipscourse.unl.edu>) for details.

2011 WSWS Noxious Weed Short Course photo album



Bobby Goeman demonstrating ATV



Bob Wolf leading an application technology discussion



George Beck leads a hands on weed identification session





Scott Nissen explains the Wacky Weed Game night rules



Tim Miller and Joe DiTomaso leading the participants on a Twilight Weed Walk



The PPE RELAY

WSWS REGISTRATION FORM

65th ANNUAL WESTERN SOCIETY OF WEED SCIENCE MEETING

Peppermill Hotel, Reno, NV

(see Business Mgr. Notes in Newsletter or at www.wsweedscience.org for room booking details)

MARCH 12-15, 2012

Deadline: Mail-in registration must be postmarked by February 18, 2012. 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 575-527-1888. Visit: www.wsweedscience.org No refunds after March 1, 2012.

<u>Registration</u>	<u>Mail by 2/18/10</u>	<u>After 2/18</u>	<u>Total</u>
____ Regular meeting (includes symposium)	\$ 230.00	\$ 330.00	_____
____ Student (includes symposium)	\$ 100.00	\$ 100.00	_____
____ Symposium (Thurs.) (Ecology and Management of Downy Brome in the West: What can the past tell us about the future?) (see website for details)	\$ 50.00	\$ 75.00	_____
____ Spouse	\$ 30.00	\$ 30.00	_____
	Total Remittance	\$	_____

Note: Onsite registration at the meeting is at the higher rates noted above. Go to www.wsweedscience.org for more information on the Symposia. 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 # w/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
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