



# Western Society of Weed Science Newsletter

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Registration Deadline for Hotel is February 8, 2013; Registration Deadline for Meeting is February 8, 2013 Winter 2013

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## Report from the President by Kai Umeda

There's a lot of hustle and bustle happening as the 75th Anniversary of our WSWS will be celebrated next month, March 11-14 in San Diego. Roger Gast, program chairperson along with assistance from Brad Hanson and Tony White have collected and organized all of the paper and poster submissions into a well-rounded week of scientific exchange. Thank you for all of your volunteered submissions. Project chairpersons and their chair-elects have also organized discussions that will be stimulating and informative. Be sure to pre-register by

February 8 to save \$100 from registering too late or at the door. Our venue at the Catamaran Resort on Mission Bay will have our block room rate of \$147 until February 8, too.

Committees have been busy as their selections for WSWS honors and awards will be revealed at the awards luncheon on Wednesday. All committee chairpersons are reminded to submit a report describing their activities by March 1 for presentation at the Board of Directors meeting on Monday, March 11, from 8:00 am to 5:00 pm in the Board Room East. The Board will meet again immediately after the Thursday morning general session from 11:45 am to 1:00 pm in the Marquesas Room 308. Members are encouraged to volunteer and serve on any of the 16 WSWS committees. Catch up with and express your interest to President-elect Gast, as he will be appointing new committee members.

Prior to the annual meeting, an on-line survey will be conducted to poll all of our members about their participation in WSWS. We'd like to gauge the demographics of our Society and especially important find out how WSWS can be more relevant to all of you as members and how best we can be of service to you. Please take a few minutes to complete the survey. Bob Stougaard, Member-at-Large, has continued this project initiated by Vanelle Peterson and Pete Forster.

I believe that the WSWS needs to project itself beyond those members who only attend the annual meetings. We have new inventory of the 9th printing of *Weeds of the West* that we should be marketing. Members of WSWS organize and conduct many weed science educational opportunities – formal and informal. At our annual meetings, we often have symposia addressing special topics of interest to attract local weed managers and professionals. During the meetings in San Diego, I'd like to have an informal brainstorming session on how the WSWS can better market its products. Please look for further announcements during the meetings.

This past year has been a very rewarding experience to serve as your president and to represent WSWS. I've had a supporting cast of Board of Directors and committee chairpersons who took on their challenging responsibilities to serve your Society. Especially, I'd like to thank Phil Banks, our business manager for keeping most of our business on time and on target throughout the year.

See you all in San Diego where we'll keep our fingers crossed that Jesse Richardson, Local Arrangements Chairperson, will order up great spring weather conditions for our outdoor activities.

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## **66<sup>th</sup> Annual Meeting Update - by Roger Gast, WSWS Program Chair**

The final program for the WSWS Annual meetings in San Diego on March 11-14 is complete and in press. This year, we will have 60 poster displays and 97 oral presentations. Of the 157 presentations, 37 will be judged in the student paper and poster competitions.

- ✓ **Oral and poster presentation authors and chairpersons, please remember that the deadline for online abstract submission is Friday, February 22<sup>nd</sup>.**
- ✓ **Pre-registration deadline is February 8<sup>th</sup>.**
- ✓ **Catamaran Resort Hotel reservation deadline for the WSWS Conference room block is February 8<sup>th</sup>.**

Tuesday's general session will open with an address by President Kai Umeda followed by Lee Van Wychen's Washington D.C. update on legislative activities impacting weed science. Following will be three distinguished speakers starting with Carl Bell, University of California Extension Specialist from San Diego, who will provide an interesting history of invasive weeds in southern California. Then UC IPM Program Director, our own Dr. Kassim Al-Khatib, will talk about his state program and share his vision of weed science's role in IPM. And finally Dr. Ian Heap will provide a global perspective on weed resistance just coming off his attendance at the Perth, Australia international "Herbicide Resistance Challenge" conference.

The Regulatory and Education Section chaired by Brad Hanson will highlight several papers on biofuels research on Wednesday afternoon, followed by a discussion on this topic. There are also several good workshops planned for Wednesday afternoon, open to all. Steve Gylling will conduct two mini workshops on how to best use ARM 9 for weed research. Right afterward Kelly Young will host a workshop on field data collection which might be especially helpful for young scientists. And finally Dr. Fred Pollnac with Montana State University will hold an "Invasive Plant Mapping and Management Prioritization" workshop as part of the Weeds of Range and Natural Areas section late on Wednesday. He would like active participation so look for more information on this in the near future.

Our meeting kicks-off Monday night with the Welcome and Retirees Reception aboard the beautiful "William D. Evans" sternwheeler, docked on Mission Bay right there at the resort. We're also planning a special outdoors Awards Luncheon on the lawn by Mission Bay...hope for good weather...but isn't it always sunny in San Diego?

Begin making plans to attend and participate in the WSWS annual meeting by registering early and making room reservations at the Catamaran Resort Hotel for March 11-14, 2013. Attending the meeting is a great way to visit with fellow western weed scientists and meet new members coming to the WSWS meeting in their early careers. WSWS also offers many opportunities to volunteer and actively participate, and contribute to the well-being of the Society. Take a look at our [www.wsweedsociety.org](http://www.wsweedsociety.org) website and see which of the sixteen committee's activities most appeals to you. Contact me before ([regast@dow.com](mailto:regast@dow.com)) or at the meetings if a committee assignment strikes your fancy and you'd like to serve your WSWS. One more thing about future meeting planning and for in between session discussions in San Diego, please consider topics and organizing special symposia that could have local appeal in Colorado Springs next year or in Portland in 2014.

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## Notes From The Business Office

 by Phil Banks, WSSW Business Manager/Treasurer

The Program for the 2013 WSSW meeting in San Diego, CA is now posted on the website. You can access the Program by following this link:

<http://www.wsweedscience.org/Meeting/2013/2013%20WSSW%20Program%20San%20Diego.pdf>

You can registration for the 2013 annual meeting in San Diego by going to our website (<http://www.wsweedscience.org/Meeting/prereg.asp>) to conveniently register online or you can use the registration form found in this newsletter. Preregistration rates end on February 8. Also, you must make your room reservations before February 8 in order to get a room at our block rate. Room reservations can be made by following this link:

[https://shop.evanshotels.com/catamaran\\_groups/wes0309.html](https://shop.evanshotels.com/catamaran_groups/wes0309.html)

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 575-527-1888 or e-mail at [wsws@marathonag.com](mailto:wsws@marathonag.com).

Phil Banks, WSSW Business Manager/Treasurer

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## Student Liaison Report

 by Cameron Douglass

The 2013 meeting is only two months away now and like many of you we have been busy preparing. In particular, Craig and I have worked hard the past few months to make this year's Silent Auction event exciting. While we've reached out to a number of national and regional companies for product donations, we still need your help to ensure that we are able to raise as much as possible to support the student scholarship program. If you have items or services that you think your fellow society members would love to bid on please consider donating them for the Silent Auction. If your donation travels easily feel free to bring it to San Diego and pass it on to myself or Craig during the meeting registration. Otherwise contact me ([cameron.douglass@colostate.edu](mailto:cameron.douglass@colostate.edu)) between now and the meeting and we can arrange delivery to the eventual owner. Thank you in advance to everyone for supporting this important scholarship fundraiser.

Also, when you are registering for the upcoming meeting, please consider signing up to be involved in the Student Night Out event. This is a very informal event that gives students an invaluable opportunity to meet with one of the society's diverse members and learn more about potential careers in industry, academia, or public agencies. More details about the Student Night Out will follow over the next several weeks.

Finally, another reminder that the WSSW Student Section has a Facebook page: <https://www.facebook.com/WSSWStudentSection>, or search for "Western Society of Weed Science". As we get closer to the meeting we will post items to this site that will update students with meeting information and deadlines and help you prepare for your poster or oral paper presentation. Give us feedback on the page so we can develop it into a useful and informative resource for all WSSW student members. Also, don't forget the Student Site on the WSSW website:

[http://www.wsweedscience.org/Students/Student\\_Portal.asp](http://www.wsweedscience.org/Students/Student_Portal.asp). Everything you need to know about the scholarship program and the upcoming meeting will be posted here too.

As always contact Craig ([craig.beil@colostate.edu](mailto:craig.beil@colostate.edu)) or myself ([cameron.douglass@colostate.edu](mailto:cameron.douglass@colostate.edu)) with any questions.

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**Publications**

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

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

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## **Student Paper Judging Committee** by Guy Kyser

We're going to need judges for the student papers and posters at the 2013 Conference in San Diego. Please contact me at [gbykyser@ucdavis.edu](mailto:gbykyser@ucdavis.edu). See you there!

If you are planning to attend the 2013 conference, I would like to encourage you to serve as an evaluator for the student papers and posters. It is a rewarding experience and may teach you a little about your own presentations! In the past we have needed 15 to 20 judges, spread out over several categories. Please consider volunteering for this worthwhile endeavor.

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## **2013 Western Invasive Weed Short Course** by Sandra McDonald

**The Western Invasive Weed Short Course to be held April 15-18, 2013 at Sylvan Dale Guest Ranch in Loveland, Colorado**

**About the Short Course** -- The Western Invasive Weed Short Course is an intensive study of current technologies and best management practices associated with noxious and invasive weeds in the western United States.

**The Goal** -- To benefit those new to invasive plant management and experienced professions seeking a comprehensive update by specifically tailoring the session to the interest's of the 2013 participants!

**Who Should Attend** - Local, state, federal government and other land managers throughout the western region who desire a better understanding of weed management.

**Short Course Instructors** – Outstanding trainers representing the Western Society of Weed Science

**Registration** – Early registration closes on **January 31, 2013**. After that the registration fee goes from \$650.00 to \$750.00. The registration fee provides each attendee the educational program, a CD of PowerPoint presentations, course manuals, laboratory sessions and related course materials, other supplies and daily refreshment breaks. Lodging and meals are separate and are provided by Sylvan Dale Guest Ranch.

**For More Information or to Register** – Contact Sandra McDonald at 970-266-9573 or [Sandra@MountainWestPEST.com](mailto:Sandra@MountainWestPEST.com) or visit:

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

## Calendar of Events

65<sup>th</sup> California Weed  
Science Society Conference

January 23-25, 2013  
Sacramento, CA  
[www.cwss.org](http://www.cwss.org)

Southern Weed Science  
Society

January 28-30, 2013  
Houston, Texas  
[www.swss.ws](http://www.swss.ws)

Weed Science Society of  
America Annual Meeting

February 4-7, 2013  
Baltimore, Maryland  
[www.wssa.net](http://www.wssa.net)

Northeastern Weed  
Science Society

February 4-7, 2013  
Baltimore, Maryland  
[www.newss.org](http://www.newss.org)

Western Society of Weed  
Science Annual Meeting

March 11-14, 2013  
San Diego, California  
[www.wsweedscience.org](http://www.wsweedscience.org)

Aquatic Plant Management  
Society

July 14-17, 2013  
San Antonio, Texas  
[www.apms.org](http://www.apms.org)

Soil & Water Conservation  
Society

Invasive Plants: Managing  
Controversy, Creativity, &  
Conservation

July 21, 2013  
Reno, Nevada  
[www.swcs.org/13AC](http://www.swcs.org/13AC)

North Central Weed  
Science Society

December 9-12, 2013  
Columbus, Ohio  
[www.ncwss.org](http://www.ncwss.org)

## Leadership Transition at CAST--Linda Chimenti New EVP on Feb. 1, 2013

The Board of Directors of the Council for Agricultural Science and Technology has appointed Linda Chimenti, current Chief Operating Officer (COO) of CAST, as the next Executive Vice President of the 40-year-old organization. Dr. John Bonner, current Executive Vice President/Chief Executive Officer (EVP/CEO), will leave that position at the end of January 2013 to pursue other interests.

Ms. Chimenti has years of experience as a CAST administrator, and she is committed to the organization's mission. As she says, "It is an honor to have the opportunity to take on a new role in CAST, an organization that I have served for twelve years with growing responsibilities." Ms. Chimenti also considers the move a compliment to the entire CAST staff. "The Board of Directors has expressed their confidence in our ability to maintain CAST's output of high quality, credible publications and programs."

After working at Iowa State University's Center for Agricultural and Rural Development, Ms. Chimenti joined the CAST organization in January 2001 as Managing Scientific Editor and has led the editorial department continuously since that time. During this period, she has been responsible for the production of approximately 140 CAST publications, including Task Force Reports, Issue Papers, CAST Commentaries, Annual Reports, and organizational histories.

In 2008, Ms. Chimenti was promoted to Director of Council Operations and added staff supervision and management duties to her responsibilities. She assisted the Board of Directors and Board of Representatives with a major restructuring of the organization's governance in 2009. Since 2010, Ms. Chimenti has served as COO, working closely with Dr. Bonner on initiatives to expand CAST's impact and broaden its audience.



"John Bonner has been an excellent mentor during the years we've worked together," says Ms. Chimenti. "He has provided team leadership for the staff and brought many new ideas for moving the CAST organization forward. He set a high standard for the next EVP to follow."

Since 2005, Dr. Bonner has worked extensively with the CAST Board of Directors and Board of Representatives to revitalize the organization, and to establish a Board of Trustees. Working closely with Ms. Chimenti, he implemented many new projects, including the production of videos based on CAST publications; the active use of social media to communicate with a wider audience; and a CAST Education Program to make materials available to university students and staff at land-grant institutions.

Dr. Bonner hosted rollout presentations of CAST publications at venues in Washington, D.C., and visited numerous congressional offices to familiarize staffers and legislators with CAST resources. Dr. Bonner also developed a major campaign emphasizing the "Three I's" concept: Input, Impact, and Investment. As he stated, "I am confident that Linda is focused on the 'Three I's' concept, and she will do an excellent job as EVP of CAST."

According to Dr. Phil Stahlman, CAST President, "We are very pleased that this transition of leadership will take place within the CAST organization now that Dr. Bonner is stepping down to pursue other interests. We are deeply grateful for all he has done for CAST, and we wish him all the best. We welcome Ms. Chimenti to her new role and look forward to working with her in this capacity."



# WASHINGTON REPORT

January 1, 2013  
Lee Van Wychen

## **Most Farm Bill Provisions Extended Nine Months**

In the strangest New Year's Day since I've been working in Washington, DC, the House and the Senate were both in session. Congress managed to compromise on fiscal cliff legislation to avoid an economic meltdown. Buried deep within the "American Taxpayer Relief Act" were provisions extending most Farm Bill programs through September 30, 2013.

Two research programs whose legislative authority expired in 2012 where the Specialty Crop Research Initiative and the Organic Agriculture Research and Extension Initiative. Both programs were 'revived' in the farm bill extension legislation that provided them \$100 million and \$25 million, respectively, for 2013. Most biomass research programs in the energy title were extended as well. In the conservation title, however, the Wetlands Reserve Program and the Grassland Reserve Program were not reauthorized.

The 113<sup>th</sup> Congress, sworn in on Jan. 3, 2013, will be responsible for reintroducing and passing legislation for a 2013 Farm Bill that would reauthorize programs for five years. However, do not expect to see any Farm Bill legislation in the next couple months as Congress will be focused on sequestration and the debt limit ceiling issues that were not resolved in the fiscal cliff compromise.

## **New Ag Appropriations Committee Chairman**

With the new Congress, comes new chairman of both the House and Senate Agriculture Appropriations Subcommittees. On the House side, Rep. Bob Aderholt from Alabama's 4<sup>th</sup> Congressional District will take over as chair from Jack Kingston of Georgia. Rep. Aderholt will be serving in his 9<sup>th</sup> term from northern Alabama and served as chair of Homeland Security Appropriations in the 112<sup>th</sup> Congress. Prior to his election to Congress, Aderholt served as an aide to Governor Fob James and as a Municipal Judge in Haleyville, Alabama. Educated through Alabama's public school system, Aderholt went on to graduate from Birmingham Southern College and from the Cumberland School of Law at Samford University.

On the Senate side, Sen. Herb Kohl from Wisconsin has retired from Congress after 24 years in office. That leaves the Senate Ag Appropriations Subcommittee chair open. As of press time, the Senate Appropriations committee had not officially named its twelve appropriation subcommittee chairs, but a likely replacement for Kohl is Sen. Tim Johnson from South Dakota.

There will also be a few changes on the authorizing side of ag policy in the next Congress. Most notable is that Sen. Thad Cochran from Mississippi will take over as Ranking Member on the Senate Ag Committee for Pat Roberts of Kansas. Sen. Cochran previously served as Chair of the Senate Ag Committee from 2003-2005 before going on to serve as Chair and Ranking Member of the full Senate Appropriations committee.

On the House Ag Committee, while Chairman Lucas (OK) and Ranking Member Peterson (MN) will remain the same, there are a number of new subcommittee chairs and ranking members. Most notably is new subcommittee chair Austin Scott from Georgia, who will have jurisdiction over research, education and extension, biotechnology, horticulture, pesticides and organic agriculture. Rep. Scott is in his second term as a Congressman. He graduated from the University of Georgia

with a B.B.A. in Risk Management and Insurance, and owned and operated an insurance brokerage firm for nearly twenty years before his election to Congress in 2010.

### **Administrator Jackson Leaves EPA**

EPA Administrator Lisa P. Jackson announced she is leaving EPA, about a month after it was revealed she was using an alias email account to conduct official business. Jackson used a private email under the alias “Richard Windsor” to correspond with EPA colleagues, a decision her staff defended by saying that her official email account received too many messages for her to use it efficiently. Jackson spearheaded efforts to begin regulating greenhouse gas emissions, including setting new standards to clean up mercury and other toxic emissions from coal power plants, and established new fuel economy standards for motor vehicles.

Quick Senate confirmation of any successor appears unlikely, given that Republicans have long complained that Jackson’s aggressive approach to the job has hampered business and impeded job creation. President Obama will be under pressure from his own party to name someone acceptable to environmentalists, but Republican senators and some Democrats from coal- and oil-producing states are likely to oppose confirming an activist to succeed Jackson.

In the mean time, EPA Deputy Administrator Robert Perciasepe will take over as acting administrator when Jackson steps down after the State of the Union address, assuming that a successor has not been named and confirmed by the Senate.

### **EPA Considering Invasive Weeds as Biofuel Crops**

EPA has been working on finalizing a rule which would allow fuel made from two known noxious weeds, *Arundo donax* (giant reed) and *Pennisetum purpureum* (Napier grass or elephant grass), to count toward federally-mandated renewable fuels targets. The WSSA is opposed to the current proposed rule and has been working with other stakeholder groups to prevent the rule from becoming law. We need more research on *Arundo* and *Pennisetum* before incentivizing their production; otherwise the U.S. will make the same mistake it did in the 1930’s when it used taxpayer dollars to fund kudzu plantings across the south.

In October, more than 200 scientists from across the country, including many weed scientists, sent a letter to the Obama administration urging them to rethink their approach to potentially invasive plants grown for bioenergy. The National and Regional Weed Science Societies were also signatories on a letter to the Office of Management and Budget (OMB), which is reviewing the EPA proposed rule. Under Executive Order 13112 (regarding invasive species), EPA should not provide production incentives for high risk feedstocks such as *Arundo donax* without determining that the benefits “clearly outweigh” the costs.

If OMB moves forward with releasing the rule, we requested to see a complete assessment of the costs and benefits, as outlined in Executive Order 13112. Additionally, if EPA approves *Arundo donax* and similarly high risk feedstocks, we believe that the rule must include – at the very minimum— guidelines on stringent best management practices to reduce the risk of escape. These guidelines should be written with the guidance of the National Invasive Species Council and relevant federal agencies.

## **President's Science Advisors Recognize the Importance of 21<sup>st</sup> Century Pest Management Challenges**

The President's Council of Advisors for Science and Technology (PCAST) recommended to the President that the U.S. increase its investment in agricultural research by a total of \$700 million per year. This report has been in the making for a couple years and is really the first significant report on agriculture ever done by PCAST. The link to the report is at:

[http://www.whitehouse.gov/sites/default/files/microsites/ostp/pcast\\_agriculture\\_20121207.pdf](http://www.whitehouse.gov/sites/default/files/microsites/ostp/pcast_agriculture_20121207.pdf)

The \$700 million per year recommendation is broken down as follows:

- i. \$180 million for new graduate and post-doctoral fellowships
- ii. \$235 million for new competitively funded research at USDA AFRI
- iii. \$130 million for basic research at NSF
- iv. \$150 million for new public-private institutes

The most positive aspect of the report is the challenges they listed for 21st century agriculture:

- i. **Managing new pests, pathogens, and invasive plants**
- ii. Increasing the efficiency of water use
- iii. Reducing the environmental footprint of agriculture
- iv. Growing food in a changing climate
- v. Managing the production of bioenergy
- vi. Producing safe and nutritious food
- vii. Assisting with global food security and maintaining abundant yields

As you can see, weed science pretty much fits into all those challenges, especially their #1 challenge. However, it is not all peaches and cream as the report "recommends that the focus of USDA research funding shift toward competitive grants, gradually rebalancing the research portfolio for intramural funding and funding for land grant institutions to incorporate incentives for innovation consistent with other research agencies across the Federal Government." In other words, they do not like capacity funds that support the Ag Experiment Stations and Cooperative Extension, or USDA-ARS funding.

The National and Regional Weed Science Societies are opposed to any shifts in funding towards competitive grants that result in cuts or reductions in capacity funds. Our position has been to support funding for both intra-and inter-mural USDA research, extension, and education. There seems to be a bias in the report that competitively funded research in other federal agencies somehow produces more innovation and that USDA's research funds allocated through non-competitive means is somehow inferior. Yet few would argue that USDA's funding for research, education and extension has been an unparalleled success for food and ag production. If you are aware of any peer-reviewed, credible studies that have actually demonstrated otherwise, please let me know.

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# RESILIENT LANDSCAPES

Planning for Flood, Drought & Fire

68th International Annual Conference

Reno, NV July 21-24, 2013

[www.swcs.org/13AC](http://www.swcs.org/13AC)



**Soil and Water Conservation Society (SWCS)**

**“Invasive Plants: Managing Controversy, Creativity, and Conservation”**

**July 21, 2013**

A 1-day special session entitled, “Invasive Plants: Managing Controversy, Creativity, and Conservation”, will focus on the challenges and issues associated with invasive plant species. In all parts of the world, invasive plants are establishing in natural areas and wild lands and are changing many of the cycles (e.g., fire, hydrological) and affecting many of the processes (e.g., succession, nutrient turnover) that once supported biologically diverse communities. There are many unknowns on the long-term impacts of invasive plant species and this has spurred numerous debates related to management approaches and even the necessity of human intervention. Alternatively, the short-term effects of invasive plants can be seen at small and large scales and has resulted in much thought by researchers, land managers, and policymakers on how to develop and find innovative/alternative approaches to address what should be done and how best to do it. Ultimately, a price will be paid if dialogue does not continue and new ways are not developed to preserve our current landscapes and at the same time allow for dynamic change in these systems, which includes invasive plant species. It is with this focus that this 1-day special session is taking place at the 2013 SWCS annual meetings in Reno, NV. The intent is to create an environment with a diverse audience that through discussion and presentation will continue to advance what is best for the environment and its constituents in relation to invasive plants species both now and into the future. Make plans to attend this special session in July 2013. Symposia organizers are seeking contributed oral and poster presentation to complement three invited plenary speakers. For registration details, go to [www.swcs.org/13AC](http://www.swcs.org/13AC)

## ***Faculty Position in Weed Science***

The Department of Botany and Plant Pathology at Purdue University seeks applicants for a tenure track faculty position in Weed Science at the Assistant or Associate Professor level. This is an academic year appointment. Candidates will be expected to develop a nationally recognized research program and provide weed science education for undergraduate and graduate students. Close collaboration is expected with other weed scientists, and with related programs in the College of Agriculture. *Research:* The goals of this position are to conduct research that improves our understanding of weed biology and ecology and contributes to the development of sustainable weed management programs in Indiana and the United States. The specific research focus may include, but is not limited to, plant-herbicide interactions, weed management in organic and low-input systems, and the biology and management of herbicide-resistant weeds. To be successful, the individual must attract external support and supervise graduate student research. *Teaching:* Teaching responsibilities include an undergraduate course in weed science and participation in the department's overall teaching mission. Salary will be competitive and commensurate with professional experience.

The Department of Botany and Plant Pathology has a diverse and creative faculty that conducts research in plant pathology, weed science, plant biology, and ecology. The department is part of a dynamic research community of applied and basic plant scientists in the College of Agriculture and across the university. The department is located in the newly renovated Lilly Hall with excellent modern lab space and plant growth facilities. Facilities for field-based research are available near campus and throughout the state. Core facilities for genomics, bioinformatics, microscopy, metabolomics and proteomics are available. Discovery Park promotes interdisciplinary research interactions and provides access to advanced analytical technologies and expertise.

The College of Agriculture at Purdue University is deeply committed to the three land-grant missions (teaching, research, and Extension), to international activities and perspectives that span all missions, and to advancing diversity in all areas of faculty effort. The College has 11 academic departments and includes 300 faculty, 2650 undergraduate students, and 685 graduate students. Purdue Extension is comprised of campus specialists who partner with a statewide system of 275 professionals and in all 92 counties delivering high impact research-based programs to stakeholders in Indiana and around the world. The College's strategic plan can be accessed at:

<https://www2.ag.purdue.edu/Pages/strategicplan.aspx>.

Qualified candidates will have a Ph.D. in weed science or a related field. Applicants should send a letter of application outlining their research interests and describing their philosophical and conceptual approach to a research/teaching position at a land grant university. Applications should also include a complete resume and the contact information for three references. These materials should be sent electronically to [mowp@purdue.edu](mailto:mowp@purdue.edu). Review of applications will begin on February 1, 2013, and will continue until the position is filled. A background check will be required for employment in this position.

*Purdue University is an Equal Opportunity/Equal Access/Affirmative Action Employer fully committed to achieving a diverse workforce.*



### ***Department of Botany and Plant Pathology***

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Lilly Hall of Life Sciences • 915 W. State Street • West Lafayette, IN 47907-2054

(765) 494-4615 • Fax: (765) 494-0363 • [botany@purdue.edu](mailto:botany@purdue.edu) • <http://www.ag.purdue.edu/BTNY>

## **Assistant Extension Professor of Weed Science University of Missouri**

**Position:** Assistant Extension Professor of Weed Science. This is a professional-track (non-tenure) position (100% extension) in the Division of Plant Sciences, College of Agriculture, Food and Natural Resources, University of Missouri.

**Location:** This position is located at the Fisher Delta Research Center (FDRC) near Portageville in Southeast Missouri. Four other faculty members in the Division of Plant Sciences are located at the FDRC and are responsible for the research and extension needs of southeastern Missouri agricultural producers. FDRC facilities include over 1,000 acres of land for field research, numerous laboratories and greenhouses, a cotton gin, offices, and state of the art soil test laboratory and teleconferencing center.

**Responsibilities:** To develop and promote an applied extension program that includes appropriate applied research with an emphasis on weed management in cotton, rice, soybean, corn and other important field crops produced in the Missouri Delta region. To conduct applied research that complements the extension program.

Specific responsibilities include:

- Develop a nationally recognized extension program for economically important weed species in one or more major agricultural crops produced in SE Missouri.
- Develop and promote effective weed control management programs based on producer needs and sound IPM principles. Extension clientele include large commercial farmers, agricultural consultants, and industry representatives.
- Disseminate applied weed management information by publishing in extension and research journals and delivering presentations at scientific conferences; transfer information to the producers and industry by delivering oral and written results as appropriate in newsletters, farm magazines, and internet websites.
- Advise or co-advise graduate students.
- Cooperate with extension and research colleagues at the Delta Research Center, at the University of Missouri Columbia campus, and in University of Missouri Extension.
- Participate, as appropriate, in committees and other activities of the Division of Plant Sciences.

The appointee will serve as a member of the interdisciplinary Commercial Agriculture Crops Focus Team that includes faculty in plant science, soil science, biological engineering, and agricultural economics. The Commercial Agriculture Program develops and implements educational programs that assist Missouri crop producers and related agri-business to increase production efficiencies, reduce impact on air and water quality, improve their competitive positions, and increase profitability. This extension position also effectively integrates the weed control discipline at the FDRC and within the Division of Plant Sciences with other disciplines such as entomology, plant pathology, nutrient management, and crop production. The appointee will report to the Director of the Division of Plant Sciences and will be evaluated jointly by the Division Director and the Director of The University of Missouri Extension Commercial Agriculture Program.

**Salary and Benefits:** Salary will be commensurate with training and experience. Benefits available include health, dental, life, and disability insurance and a retirement plan.

**Date Available:** Applications will be accepted until the position is filled. Review of applications will begin November 1, 2012.

**Qualifications:** The appointee must have a Ph.D. in agronomy or related discipline with an emphasis in weed science and with training and/or experience in applied research. The appointee will be familiar with the region's cropping systems. Students who have completed their qualifying/preliminary exams may be considered. Postdoctoral training and experience are highly desirable.

### **Application Procedure:**

Applicants should provide a curriculum vitae, transcripts, reprints, and statement of career goals and contact information for four references. Please visit <http://hrs.missouri.edu/find-a-job/academic/index.php> to submit an application. Questions regarding the position should be directed to Dr. Kevin Bradley at (573) 882-4039, or [bradleyke@missouri.edu](mailto:bradleyke@missouri.edu).

For information related to the University's background check policy, HR 504, go to the Human Resources Policy Manual available at <http://www.umsystem.edu/ums/departments/hr/manual/>.

The University of Missouri-Columbia is an Equal Opportunity/Affirmative Action employer. To request ADA accommodations, please contact our ADA coordinator. (V/TTY)

MU's college of Agriculture, Food and Natural Resources strongly endorses the principles embodied in MU's values statement - *respect, responsibility, discover, excellence* <http://www.missouri.edu/about/values.php>. In that context we seek to recruit and retain outstanding scholars who are: 1) committed to blending service with scholarship, 2) Leaders, 3) Good colleagues who *will* collaborate with others from diverse disciplines *and backgrounds*, and 4) flexible and adaptable in an era of rapid change.

MU makes available to applicants a security report of crimes that occurred on campus over the previous three years. For a copy of this report, contact the University Police Department at (573) 882-5923 or access their web site at: <http://www.mupolice.com/>

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## **Agricultural Research Assistant Department of Entomology, Plant Pathology and Weed Science New Mexico State University**

**Field and greenhouse research technical position available at New Mexico State University in the Weed Science program.**

The department of Entomology, Plant Pathology and Weed Science has a position available in the Weed Science Program for an individual holding a B.S. degree in an agricultural, applied biology, or plant science discipline. Preferred experience with pesticide application techniques including holding a pesticide applicator license or the ability to pass the test and acquire a pesticide applicator license. The individual will need to work independently, including supervision of undergraduate student labor, or as part of a collaborative team to assist with the execution of research in weed science field and greenhouse experiments (<http://eppws.nmsu.edu/weedscience/current-research-project.html>). The individual will assist in the setup, operation, and maintenance of research equipment, instrumentation, and/or facilities. The work may include some travel to field research sites or other locations to collect and record data and/or samples, appropriate to established study objectives and protocols. Follows established departmental policies, procedures, and objectives, continuous quality improvement objectives, and safety and environmental standards.

Please direct any questions to Dr. Jill Schroeder, Professor-Weed Science, at 575-646-2328 or [jischroe@nmsu.edu](mailto:jischroe@nmsu.edu). The position description is posted at the NMSU employment website:

Position Number: 719999

Title: Ag Research Asst

Requisition Number: 0600894

Department: 303000-Entomology Plant Path and Weed Sci

Link to posting announcement: <https://jobs.nmsu.edu/applicants/Central?quickFind=100992>

**Assistant Professor, Weed Science Extension Specialist**  
**Department of Plant and Soil Sciences**  
**Oklahoma State University**

**POSITION TITLE:** Assistant Professor, Weed Science Extension Specialist

**POSITION DESCRIPTION:** This is an 11-month, tenure-track, 85% extension and 15% teaching position.

**EXTENSION RESPONSIBILITIES:** Lead in planning, implementing, and evaluating educational programs to transfer small grains and canola weed management technologies to Oklahoma stakeholders. The successful candidate will be actively engaged with Extension and industry personnel and will be expected to interact with state and federal agency personnel as necessary. Participation in Plant and Soil Sciences departmental Extension efforts and Weed Science IPM as well as effective oral and written communication including use of electronic media and innovative information delivery methods are essential. The position will require development of an applied extension field research and demonstration program, training and support of Extension field staff, and periodic impact assessment of Extension activities. Extension outreach efforts will include appropriate concern for environmental quality and ground water protection, stewardship of weed control technologies, as well as agronomic production potential of recommended practices. Opportunities for funding exist through the Oklahoma Wheat Commission, Oklahoma Oilseed Commission, state and federal competitive grants, and industry support.

**TEACHING RESPONSIBILITIES:** The successful candidate will teach an undergraduate class on agronomic weed control in Oklahoma cropping systems and a corresponding lab course with hands-on, applied activities. The successful candidate may also provide leadership to the weed science team and advise graduate and undergraduate students.

**QUALIFICATIONS:** Minimum qualifications include: i) Ph.D. in Weed Science or closely related field with major emphasis on weed management in agronomic crops, ii) evidence of ability to communicate orally and in writing, iii) ability to work effectively in a team environment with Extension and agribusiness personnel, iv) ability to develop proposals to seek extramural funding for program support, v) ability to effectively instruct undergraduate and graduate students, and vi) skills regarding the effective use of electronic media in education and communication of technical information. Preferred qualifications include: i) previous experience in Extension and/or outreach activities, ii) teaching experience, and iii) evidence of the ability to publish in peer reviewed journals.

**SALARY AND BENEFITS:** Will be competitive with other leading land grant universities and commensurate with training and experience. Continuation of this position is subject to performance, need, and available funding.

**DATE AVAILABLE:** May 1, 2013, or as soon thereafter as qualified candidate is available.

**APPLICATION DEADLINE:** Review of applications will begin March 22, 2013, and continue until a suitable candidate is identified. Send letter of interest, curriculum vita, official transcripts, and arrange for three letters of reference to be sent to:

Dr. Jeff Edwards  
Department of Plant and Soil Sciences  
Oklahoma State University  
368 Agricultural Hall  
Stillwater, OK 74078  
(405) 744-9617 Fax: (405) 744-0354  
E-mail: [jeff.edwards@okstate.edu](mailto:jeff.edwards@okstate.edu)

Oklahoma State University is an EEO/AA/E-Verify employer committed to multicultural diversity.

OSU Stillwater is a tobacco-free campus

**Associate in  
Crop & Soil Sciences  
Washington State University**

**POSITION TITLE:** Associate in

**POSITION NUMBER:** 71141

**EMPLOYEE TYPE:** Faculty

**COLLEGE/AREA:** 3 – College of Agricultural Human and Natural Resource Sciences

**DEPARTMENT:** 03 Crop & Soil Sciences

**WORK LOCATION:** Pullman, Washington

**MONTHLY SALARY:** \$3,000 or DOE

**JOB TYPE:** Full-Time

**POSITION SUMMARY:** The Associate in position will be responsible for one or more of the following activities: conducting research; development of study protocols; implementation of protocols in the field, greenhouse, and growth chambers; data collection, management, and analysis; and presentation of results in publishable form. Duties include, but are not limited to, monitoring budget expenses, supervising research support/technical staff, and interacting with private industry representatives.

**POSITION DETAILS:** The Associate in position will be responsible for managing herbicide efficacy trials, primarily in the field, but occasionally in the greenhouse or growth chambers. Management of trials requires significant interaction with private industry to develop treatment protocols and then carry out those protocols. This involves setting-up the plots, applying herbicide treatments, evaluating the plots, collecting yield and other data as called for by the protocols. The position will manage and analyze data collection from the plots, write summary reports for each study, and occasionally present those results at meetings and/or conferences. The position will also train and manage the work schedules for graduate students and hourly personnel to support essential activities and maintain equipment and supplies while facilitating efficient operations.

**MINIMUM REQUIRED QUALIFICATIONS:** A Master's degree in an agronomy or similar field and experience with herbicide efficacy trials.

**PREFERRED QUALIFICATIONS:** Demonstrated ability to coordinate and facilitate work activities in a timely and efficient manner.

Demonstrated ability to operate a personal computer, and essential software including ARM, word processing, spreadsheet, and database applications.

Must possess, or be able to obtain, a valid driver's license at time of hire.

Must possess a valid Pesticide Applicator certification within 6 months of hire date.

Must possess valid EPA Worker Protection Standard certification within 6 months of hire date.

**SPECIAL NOTIFICATION TO APPLICANT:** As a part of the recruitment process, you will be required to submit a curriculum vitae, cover letter addressing your qualifications as they relate to this position, and the names and contact information for three (3) references.

**SCREENING BEGIN DATE:** 11-30-2012

**POSTING CLOSE DATE:** Open Until Filled

**REQUIRED APPLICANT DOCUMENTS:**

- Cover Letter
- Curriculum Vitae
- Reference Contact Info

**BACKGROUND CHECK:** This position does not require a background check.

**EEO/AA STATEMENT:** WASHINGTON STATE UNIVERSITY IS AN EQUAL OPPORTUNITY/AFFIRMATIVE ACTION EDUCATOR AND EMPLOYER. Members of ethnic minorities, women, special disabled veterans, veterans of the Vietnam-era, recently separated veterans, and other protected veterans, persons of disability and/or persons age 40 and over are encouraged to apply.

WSU is committed to excellence through diversity and faculty-friendly policy action, including partner accommodation and NSF ADVANCE Institutional Transformation programs (<http://www.advance.wsu.edu/>).

WSU employs only U.S. citizens and lawfully authorized non-U.S. citizens. All new employees must show employment eligibility verification as required by the U.S. Citizenship and Immigration Services.

Washington State University is committed to providing access and reasonable accommodation in its services, programs, activities, education and employment for individuals with disabilities. To request disability accommodations in the application process, contact Human Resource Services: 509-335-4521(v), Washington State TDD Relay Service: Voice Callers: 1-800-833-6384; TDD Callers: 1-800-6388, 509-335-1259 (f), or [hrrs@wsu.edu](mailto:hrrs@wsu.edu).

## **DuPont Company**

### **Cereals Product Development Manager**

**Description:** The Product Development Manager (PDM) provides overall technical direction and management of the cereal herbicide portfolio within the US so that technical direction for the portfolio is consistent with regional and market segment objectives, plans and priorities. The PDM is also the primary US technical interface between Field Development and other functions, such as sales, marketing, research, and global product management. The PDM interacts with Field Development leadership in the development and management of budgets and field programs supporting the cereals portfolio. The PDM is expected to have a working knowledge of primary duties ascribed to Field Development Representatives for the purpose of program planning and interaction.

**Responsibilities:**

- Understands technical aspects of DuPont products and competitive offerings and anticipates changes in marketplace needs. Identifies and provides leadership in developing business opportunities for new products and technologies.
- Provides technical product information, training and support to Sales and Marketing.
- Leads at the geography level the development and implementation of the field development plan for assets portfolio improvement including issues management, portfolio renewal opportunities and participate in the implementation plan of other segments as appropriate.
- Responsible for safety and implementation of company policies within geography.
- Leads projects to develop and maintain excellence in required competencies within Field Development.
- Identifies and communicates potential opportunities and competitive requirements for new product assets and their uses, and technologies that match future customer needs within assigned geography.
- Serves as a focal technical resource to Sales & Marketing.
- Summarizes testing results and communicates actions there based to internal and external customers.
- Responsible for accuracy, user friendliness and consistency of label use instructions.
- Ensures that technical questions / needs from customers are addressed, market communications technically accurate and advertising / promotional literature reviewed for technical accuracy.
- Collaborates with Global Product Support and Renewal, Commercialization, Discovery and Registration, etc to ensure proper alignment in regard to technical issues and opportunities.

**Qualifications:**

MS/Ph.D. in Ag or related field or equivalent.

7-10 year's experience in Research & Development or Technical Service essential; sales and / or marketing experience desirable.

Strong communicator - written and oral.

Knowledge and understanding of agricultural cropping systems, pests, and practices.

Knowledge of field testing, plot demonstration techniques and statistical analysis.

Working level knowledge of Registration function and processes.

Knowledge and skills in the use of computer hardware/software/web technology including electronic messaging, word processing, graphics, and database management.

Ability to identify opportunities for competitive advantage with new and existing products in the marketplace.

Ability to effectively communicate and build relationships with internal staff, business partners, external customers and key influencers.

Ability to develop and operate within budget.

Ability to work effectively within a team environment.

Ability and initiative to get results by delivering on commitments and implementing plans and programs.

Ability to transfer and translate complex technical data into usable information that creates demand for products.

Demonstrated ability to interpret data, draw conclusions, and make decisions.

Serves on Field Development Leadership Team and leads input in overall direction and strategies relating to product responsibilities.

50% of time --- development of field trials programs and interpretation of data;

50% of time --- technical support of selling, planning and collection of market intelligence.

"Successful candidate will need to be able to perform the essential functions of the job with or without accommodation."

*DuPont is a global Fortune 100 company, operating in 70 countries today. We are looking for people who have a passion for delivering innovative, sustainable solutions that meet our customer needs for a better, healthier, safer life.*

*DuPont offers an exciting place to work where thousands of innovations are introduced every year. You will have opportunities for growth through involvement in various dynamic industries from high-tech to high-performance; including agriculture, nutrition, electronics, communications, safety and protection, home and construction, transportation, and apparel.*

*At DuPont, you will find sustainability in our vision, our business and your future. If you want to work on the leading edge of your field and have a desire to make a difference, join DuPont and discover The miracles of science.*

**DuPont is an equal opportunity employer.**

**DuPont is an E-Verify employer.**

**Job:** Field Development Consultant

**Primary Location:** North America-USA-Iowa-Johnston-US-Darwin [2350](EYGV)

**Organization:** DUPONT CO(2350)

**Schedule:** Full-time

**Education Level:** Master's Degree (±18 years)

**Shift:** Day Job

**Employee Status:** Regular

**Travel:** Yes, 75 % of the Time

Req# 2693 Cereals Product Development Manager

[https://dupontimpl.taleo.net/careersection/jobdetail.ftl?job=155783&lang=en&sns\\_id=](https://dupontimpl.taleo.net/careersection/jobdetail.ftl?job=155783&lang=en&sns_id=)

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### **DuPont Company**

#### **Field Development Rep –Wyoming**

[https://dupontimpl.taleo.net/careersection/jobdetail.ftl?job=155781&lang=en&sns\\_id=](https://dupontimpl.taleo.net/careersection/jobdetail.ftl?job=155781&lang=en&sns_id=)

The FDR manages and implements field testing and demonstrates program within their specified geographical territory and provides technical product support to Sales and Marketing strategies that are aligned with business needs. The FDR conducts a broad range of testing activities in support of needs from early-stage discovery optimization to support and renewal of existing product offerings. All responsibilities are at the territorial level or shared with adjoining territories in a mentoring sense.

### **DuPont Company**

#### **Field Development Rep - Nebraska/Colorado**

[https://dupontimpl.taleo.net/careersection/jobdetail.ftl?job=152160&lang=en&sns\\_id=](https://dupontimpl.taleo.net/careersection/jobdetail.ftl?job=152160&lang=en&sns_id=)

The FDR manages and implements field testing and demonstrates program within their specified geographical territory and provides technical product support to Sales Teams and their customers. The FDR I conducts a broad range of testing activities in support of needs from early-stage discovery optimization to support and renewal of existing product offerings. This position will be located in Nebraska or Colorado. Responsibilities will include all of the Central U.S. in support of the "Land Management Business".

**WSWS REGISTRATION FORM**  
**66th ANNUAL WESTERN SOCIETY OF WEED SCIENCE MEETING**  
**Catamaran Resort, San Diego, CA**  
 (see the WSWS website [www.wsweedscience.org](http://www.wsweedscience.org) for room booking details)  
**MARCH 11-14, 2013**

**Deadline: Mail-in registration must be postmarked by February 8, 2013. 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](http://www.wsweedscience.org) No refunds after March 1, 2012.**

<u>Registration</u>	<u>Mail by 2/8/13</u>	<u>After 2/8/13</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 noted 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
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\_\_\_\_\_

Mailing address	City	State	Zip code
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\_\_\_\_\_

Phone # w/area code	e-mail address
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Name Desired on Badge	Spouse name (if registering)
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**Classification:** Student \_\_\_ University \_\_\_ Federal Agency \_\_\_ State Agency \_\_\_  
 Private Industry (manufacturing and sales) \_\_\_ Private Industry (consulting) \_\_\_  
 Unemployed \_\_\_ Retired \_\_\_ Other (specify) \_\_\_\_\_

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

