

NCWSS • News

North Central Weed Science Society

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If you are a member of the NCWSS and have material you would like to submit to the Newsletter, please send it to:

Harlene Hatterman-Valenti
at
H.Hatterman.Valenti@ndsu.edu



J.D. Green President's Message

I suspect many of you have been active with field research and other weed science activities this summer. The start of the season certainly had its challenges, but we seem to be off to a good crop season within our area of the north central region. Meanwhile the NCWSS Executive Committee and others have been engaged with the WSSA on issues such as planning

another summit on weed resistance planned for September in Washington DC. The NCWSS Board of Directors are also preparing for the summer board meeting which will be held in July in conjunction with the NCWSS summer weed contest in Johnston, IA.

One of the other primary activities has been planning for the 2014 annual meeting (December 1-4) which will be held in Minneapolis. It has been several years (1998) since our annual meeting was held within this area of the North Central region. Program chair John Hinz, Local Arrangements chair Greg Spandl, Brett Miller, and Executive Secretary Phil Banks have visited the Hyatt Regency earlier this spring and report that the hotel staff is already anticipating our arrival in December. I look forward to a good venue and an informative and valuable meeting for our membership in Minneapolis.

John Hinz and the Program Committee are planning what should be two interesting and timely symposium on "cover crops" and "herbicide resistant weeds", along with keynote speakers for our general session. The call for volunteered paper submissions is in this newsletter, and we are again using the WSSA paper submission process, so please see the instructions and get your titles submitted by the due date. One of the main features of the annual meeting is the student paper and poster contests, organized by the Resident Education Committee. As always, the committee will need judges to help them with these contests, so please consider volunteering to be a judge and providing feedback to our students in this valuable experience.

The Strategic Planning Committee, lead by Brian Jenks, continues to work hard at considering ways to improve the NCWSS experience and value for our members. At the 2012 meeting we instituted the voluntary recording and posting of annual meeting presentations and posters at the NCWSS website, which will be an option again for the 2014 annual

Continued on Next Page

President's Message - Continued

meeting. To view presentations from the 2013 meeting go to the NCWSS website at www.ncwss.org, log in to your account in the upper right-hand corner, and then click on "view presentations" on the left side. You can then click on the presentation or poster you are interested in viewing. Presentations will remain on the website for one year following the meeting. We are also working to implement additional ideas to enhance student opportunities and experiences.

Finally, don't forget the 2014 Student Weed Contest, which will be hosted by DuPont Pioneer at their facility near Johnston, IA on July 23 and 24. Details can be found at

<http://www.ncwss.org/weed-contest.php>. Dave Johnson and his team, along with members of the Resident Education Committee and other volunteers are well along on planning what should be a fun and enjoyable contest. This is one of the most valuable learning experiences for our students. As a graduate student in 1981 I had the privilege to participate in the first North Central Collegiate Weed Contest. I highly encourage all students to take advantage of this opportunity to learn, interact with other students, faculty, and industry personnel, and most of all have some fun.

Have a productive and safe summer. I look forward to seeing many of you at the Weed Contest and annual meeting. ♦

Message From the Program Chair — John Hinz

This is the [Call for Papers and Posters](#) for the 2014 Annual Meeting of the North Central Weed Science Society. This is the only notice you will receive so mark your calendar and submit the titles of your presentations by Friday, September 5th. Submissions received after September 5th may be placed in alternate sections, switched to the poster session or rejected depending on the availability of space in the sections. The web-based title and abstract submission process that has been used by NCWSS the past few years will be used again in 2014. The Title/Abstract Submission website will be available around August 1, 2014 through the NCWSS website (www.ncwss.org) or by going directly to the submission website hosted through WSSA (wssaabstracts.com).

The NCWSS annual meeting program begins Monday December 1, 2014 and concludes Thursday December 4, 2014. The general session will feature the Presidential Address by JD Green plus the keynote speaker is scheduled to be the Larry Divito, Head Groundskeeper for the Minnesota Twins baseball team. Half-day symposia being developed include "Cover Crops" and "Roadmap to Success: The Human Dimension of Managing Herbicide Resistance", plus the popular "What's New in Industry" section. The volunteer paper and poster sections are listed below and directions are included for submission of papers and posters into these sections.

There will be recording of paper and poster presentations again in 2014 for future viewing by NCWSS members via the NCWSS website. *This recording and posting will be **strictly voluntary***

on the part of the paper and poster authors, and authors must "opt-in" to have their presentations and posters recorded. See the following article for more details on this feature.

The 2014 program will feature the traditional graduate student paper and poster contests and an undergraduate poster contest. Guidelines for these contests are found later in this article and at our website under About NCWSS – NCWSS Manual of Operating Procedures. We again look forward to top-quality presentations by the students.

As in previous years, authors should upload their presentation to the Submission website about 7 days before the meeting. Using the Submission website helps to prevent clogging up e-mail accounts with large file attachments and allows the section chairs to bring the preloaded presentations to the meeting. If this is not possible, make sure you contact your section chair prior to the meeting to make other arrangements.

Please consider giving one or more presentations at our annual meeting. We are interested in what you are working on. In addition to research, thought provoking or critical assessments of our discipline are also welcome. Also, please pass along any suggestions on ways to make the meeting even more valuable to you and others. I look forward to an interesting and exciting conference in December.

John Hinz, Program Chair
John.hinz@bayer.com 515-733-9250

2014 Annual Meeting of the North Central Weed Science Society

December 1-4th
Minneapolis



Recording and Posting of Papers and Posters to the NCWSS Website

The NCWSS Strategic Planning Committee has worked hard to develop a procedure to allow the recording and posting of papers and posters to the NCWSS website. The voluntary recording of individual papers and posters was initiated in 2012 and will be an option again for the 2014 annual meeting. This will allow those who couldn't make it to the meeting to see papers and posters of interest, and also allow the chance to see a paper in cases of conflict where two papers of interest were presented at the same time.

The recording and posting of paper and poster presentations is strictly voluntary, and members must "opt-in" to have them recorded and posted to the NCWSS website. No one will be required to have their presentations recorded or posted.

Presentations will be available to NCWSS members only (password protected) through the NCWSS website for a period of one year following the annual meeting, and are intended for personal learning by NCWSS members only. Posters will be submitted as PDF files for posting, and papers will have the Powerpoint and, optionally, voice recorded, plus a PDF version of the Powerpoint posted. There will be no videotaping of the presenter, just the slides. They can indicate their preference when submitting their title, and have the opportunity to change their minds at any time, including during their session, immediately after the presentation is made, or at any time during the one-year period of posting.

When the author enters the on-line submission website, he or she can choose the following options:

Posters: each poster presenter will choose whether or not to upload a PDF file of their poster (default is no). Uploading to the website will occur just prior to or after the meeting date.

Papers: Each paper presenter will choose one of the following:

- 1) Presentation will NOT be recorded or posted (default)
- 2) PPT and voice recorded (plus PDF of PPT can be posted also)
- 3) PDF version of PPT only (no voice)

Section chairs will be instructed as to which presentations are to be recorded, and only those to which the presenter consents will be recorded. Paper presenters who chose options 2 or 3 above may change their mind and choose not to be recorded at any time, including at the time of presentation by letting the section moderator know not to record it. Also, a presenter can choose not to have his or her recorded presentation posted to the website after the presentation or have it removed from the website at any time during the one year period of website posting. Posters that are posted to the website may also be removed by author instruction at any time.

Poster presenters choosing to allow their poster to be posted and paper presenters who choose options 2 or 3 above will be required to check a box indicating that he or she accepts the following conditions:

Recording of Papers - Continued

“It is the intent of the NCWSS that recorded presentations are provided solely for personal viewing by NCWSS members. If anyone wants to use the information for other purposes, they must request permission from the author. Presenters are responsible to make co-authors aware that the presentation will be recorded or posted on the NCWSS website. The presentations will be available for viewing for one year. Authors may request that

their presentation be removed from the website at any time. The NCWSS agrees to not change any data or edit the presentation in any way that would change the interpretation of the data or presentation. The NCWSS agrees to not sell or market the presentation for monetary purposes or distribute it in any form.”

If they do not agree to these terms the presentation or poster will not be recorded and posted to the website.

Process for On-line Submission Process of Papers and Posters

Please follow the included directions, heed the deadlines and please contact me (john.hinz@bayer.com) if there are any questions.

SIGN-IN: The sign-in section should be available starting approximately August 1, 2014. Go to the home page of the NCWSS website (www.ncwss.org) and connect to the site through the link found there or go directly to the submission website hosted through WSSA (wssaabstracts.com). You will need your login and password for your account or create your own new account if you have not done so previously.

SUBMIT TITLE (deadline September 5th): Simply follow the site’s instructions for submission. Select your 1st and 2nd preference for paper section (Horticulture and Ornamentals, Invasive Weeds, etc.). Enter the title and authors’ names in the spaces provided. **Capitalize only the major words in the title as indicated in the instructions.** Be sure to use the pull-down menus at the right to indicate member status and to indicate if an author is the presenter or not. It is critical that we know which papers and posters will be competing in the student contests, so please be sure to indicate this with your title submission. Also, should you choose to allow your paper or poster to be recorded for posting to the NCWSS website for future viewing by NCWSS members, please indicate your preference and follow the instructions. Please be sure to get approval from your co-authors. Note: to have your paper or presentation recorded, you must “opt-in” by indicating your choice. The default is that the presentation NOT be recorded. You can

change your mind later by contacting me (john.hinz@bayer.com, 515-733-9259). See further details in the separate article in this newsletter. For the September 5th title deadline, fill in the title, authors and affiliations (type in as it would appear in the final abstract). Try to make sure you have everything as you want it before submitting. Click on the “Submit” button when you have entered all the information.

SUBMIT ABSTRACT (deadline November 17th): Sign in to your account as you did previously for the title submission. Click on the link to submit an abstract. Scroll down to the abstract part of the window and click anywhere in the area designated to hold the abstract. Cut and paste your abstract in the box provided. There is no need to include the title and authors in the “cut and paste” portion since the correct information has already been entered in the boxes at the top of the page. We recommend that you make all changes prior to pasting into the submission form. NOTE: If you have changed authors (added or deleted) or made a title change, please send an email to both your section chair and me (john.hinz@bayer.com) to alert us about the change.

ACTION SUMMARY: Titles will be due on **September 5th**. By this date, we will ask you to enter the site and type in your title, authors’ info, section preference and submit. Abstracts will be due **November 17th**. **By this date**, we request you to enter the author information as indicated, cut and paste abstract, select keywords, and submit.

Preparing to Submit Titles

Please follow these instructions when preparing your title(s):

- 1) Decide whether the presentation is a poster, paper or invited symposia paper.
- 2) Select your first and alternate choices for the section in which you want to make your presentation. Any questions pertaining to the appropriateness of your presentation in these sections can be answered by contacting the Program Chair or the respective Section Chair.
- 3) Connect to the NCWSS website (www.ncwss.org) and use the link to connect to the Title/Abstract Submission website or go directly to the submission website (wssaabstracts.com). Follow the directions previously listed in this article.
- 4) Important Note: Type the title, authors, affiliation (institution, agency or company) and location exactly the way they are to be printed in the program. **Capitalize major words in the title.** Include the full first name and middle initial of the authors rather than just initials. Place a checkmark in the

box next to the author's name to designate who will present the paper or poster. Do not include departments or division, zip codes or the name of the state if it is a part of the institution's name. Use the common names of weeds, herbicides and crops. **Please follow the capitalization, punctuation and formatting as shown in these examples, especially the listing of affiliations.**

Single institution or company

Weed Control Feasibility in Large-scale Organic Snap Bean and Sweet Corn Production. Jed B. Colquhoun*, Heidi J. Kraiss, and Richard A. Rittmeyer, University of Wisconsin, Madison.

Multiple institutions or companies

Potential of Saflufenacil for Preharvest Desiccation of Sunflower. Kirk A. Howatt*, Brian M. Jenks, Phillip W. Stahlman, and Michael J. Moechnig, North Dakota State University, Fargo and Minot; Kansas State University, Hays; South Dakota State University, Brookings.

Paper and Poster Section Chairs

Agronomic Crops I (Corn, Sorghum, Cereals)

Ryan Henry (308) 530-5729
ryan.henry@unl.edu

Agronomic Crops II (Soybeans, Dry Beans/Sugar Beets)

Helen Flanigan, (317) 459-9650
helen.a.flanigan@dupont.com

Equipment and Application Methods

Cody Creech, (435) 770-1538
cody.creech@huskers.unl.edu

Extension

Devin Wirth, (701) 370-1929
devin.a.wirth@ndsu.edu

Herbicide Physiology

Jared Roskamp, (217) 440-7810
jared.roskamp@basf.com

Invasive Weeds

Roger Becker, (612) 625-5753
beckeo03@umn.edu

Horticulture, Ornamentals, and Turf

John Kaufmann, (517) 347-7555
kaufma60@msu.edu

Rangeland, Pasture, and Industrial Vegetation Management

Scott Flynn, (859) 396-9229
flynn@dow.com

Weed Biology, Ecology and Management

Erin Hill, (517) 355-0271
hiller12@msu.edu

Poster Session

Dave Ruen, 507-467-2375,
dcruen@dow.com

Program Chair

John Hinz, 515-733-9250
john.hinz@bayer.com

Paper Presentations and Presentation Format

All papers will be presented with PowerPoint files through an LCD projector. Electronic presentations will be limited to Power Point programs and need to be uploaded to the Submission website approximately 7 days prior to the meeting. Presentations are approximately 12 minutes long followed by one to two minutes for questions or comments to fit a 15 minute schedule. Contact the Program Chair if more time is needed. Abstracts of

the paper and poster presentations will be published on the NCWSS website (www.ncwss.org). Abstracts should be submitted electronically via the Title/Abstract Submission website prior to the meeting (by **November 17**). A Call for Abstracts and Instructions for Submitting the Abstracts will be sent to the corresponding authors by the Proceedings Editor after titles are submitted.

Poster Presentations

Posters will be set up on Monday and available for viewing on Tuesday and Wednesday. All posters should be removed by 5:00 p.m. on Wednesday. One poster mounting board, approximately 48 by 48 inches, supported on an easel will be provided by the NCWSS. Posters will be arranged according to

subject, so please indicate your section preference in the Title/Abstract Submission system linked to the NCWSS website. Additional details will be mailed to each poster session participant following title submission.

Call for Sustaining Members and Sustaining Member Displays

Contact the chair of the Industry Committee, Mike Meyer, (michael-devin.meyer@dupont.com) for information on how to become a Sustaining Member of the NCWSS. Sustaining member displays can be set up Monday afternoon and should be removed by 4:00 p.m. Wednesday.

Call for Fellow Nominations

The Fellow nomination period is now open. Please take the time to nominate distinguished members of the North Central Weed Science Society for the Fellow award. Each year the NCWSS can recognize up to 0.5 percent of its members as a Fellow. This award is presented to those who have made significant contributions to our Society and the discipline of Weed Science. Eligible nominees must have been active in the NCWSS and should have made substantial contributions in more than one of the following areas: 1) Professional publications, 2) Educational contributions other than publications, 3) Development or improvement of Weed Science programs, practices, or products, 4) Service of NCWSS, 5) Service to Weed Science outside of NCWSS, and 6) Other professional contributions.

The NCWSS has several members worthy of recognition as Fellow. The nomination procedure is described in the Manual of Operating procedures on page 25, Section III, Chapter 2 on the NCWSS Website: <http://www.ncwss.org/info/Operating-Guide-2010.pdf>.

Nominators should start in August to procure letters of support for the nomination. The deadline for receipt of the nomination packages (including letters of support) is September 30. Electronic nominations (pdf files) should be sent to: Duane Rathmann, duane.rathmann@basf.com, 507-835-2580.

2014 NCWSS Collegiate Weed Contest

**Dave Johnson, NCWSS
Past President and Contest Host**



DuPont Pioneer and DuPont Crop Protection will host the 2014 NCWSS Collegiate Weed Contest at the DuPont Pioneer Research Center in Johnston, IA on July 23-24, 2014. We expect a large number of participants and we hope that you will be part of this event.

Registration Details

All the documents related to the contest such as registration form, volunteer form, hotel information, contest rules, and details on lists of weeds, herbicides, and crops are posted on NCWSS website. **The deadline for contest registration is July 1, 2014.**

Hotel information

We have reserved a block of rooms at a discounted rate at the Holiday Inn and Suites, 4800 Merle Hay Road, Des Moines for the nights of July 23 and 24. This hotel is about 3 miles from the DuPont Pioneer site. **The room block will be held until July 9,**

2014, so please make your reservations by then. After that date the hotel will open up the rooms to other guests. See hotel information on the NCWSS website for reservation instructions.

The following discounted room rates will apply (all double queen beds, includes hot breakfast):

- 1 person/room: \$66/night + tax
- 2 people/room: \$71/night + tax
- 3 people/room: \$76/night + tax
- 4 people/room: \$81/night + tax

A full schedule of events will be sent at a later date. If you have additional questions, please contact Dave Johnson (contact information below).

Thanks in advance for your interest and participation in the contest.

Dave Johnson
DuPont Pioneer
515-535-7234, david.h.johnson@pioneer.com

The North Central Times

Extra! Extra! Extra! Volunteers Needed

Volunteers are needed for the 2014 NCWSS COLLEGIATE WEED CONTEST at the DuPont Pioneer Research Center, Johnston, IA, July 23-24, 2014. Help is needed:

- _ Grader
- _ Problem Solving: Farmer
- _ Problem Solving: Judge
- _ Sprayer Calibration
- _ Team Leader
- _ Unknown Herbicide

Contact
Dave Johnson if you can
help.
515-535-7234, da-
vid.h.johnson@pioneer.com



Canada Thistle Showing White Tops
Recent appearance of white tops on Canada thistle has led local authorities to suspect fowl play.

TEE UP WITH US

2014 WEED SCIENCE INVITATIONAL GOLF TOURNAMENT

WHEN: July 23, 2014 at 9 AM, shotgun start

WHERE: Beaver Creek Golf Course, 11200 NW Towner Dr, Grimes, IA

FEE: \$50/person includes 18 holes of golf, sack lunch, and beverage

We welcome all interested parties to join us, our only qualifications are: 1) you must have some interest in weed science (or at least know someone who does), 2) you must be able to leave your work at the office and be able to relax and enjoy yourself for a day on the golf course, 3) you must not bring high expectations for prizes. Please include your preferred playing partners in your RSVP. Deadline for entry is July 11.



Tournament format will be a 4-person scramble.
Prizes will be awarded for the top golfers in addition to special contests throughout the course.
Hosted by ISU Weed Science Alumni

RSVP can be made via email to hartzler@iastate.edu or
online at <http://www.evite.com/event/02A76OQE3N25X4ECIEPDZ6XX24KUSQ>

Call for Distinguished Achievement Award Nominations

Dave Johnson, Past President

The NCWSS has exceptional, dedicated, and successful members and students who make significant contributions to our Society and discipline. Please take a few minutes to recognize the contributions of outstanding members by nominating them for a Distinguished Achievement Award. If you are unsure if a person has received an award already or not, just check the NCWSS website (www.ncwss.org) for a listing of past recipients under the tab "About NCWSS". Nominations are a simple process and the NCWSS can present up to five awards each year from the following categories:

Research	Industry	Education
Young Scientist	Service	Profession Staff

Nomination guidelines for all categories are similar and can be found on pages 23-24 of the NCWSS Manual of Operating

Procedures located on our website: <http://www.ncwss.org/about.php>. Nominators need to initiate the process early to procure letters of support prior to the application deadline. Submissions of nomination materials are due **September 30, 2014**. Please don't forget to nominate exceptional students who may qualify for the NCWSS Outstanding Graduate Student Distinguished Achievement Award. The eligibility and nomination information pertinent to this award are found on pages 25-26 of the Manual of Operating Procedures. The awards committee will review the applicants to identify the graduate student who has been the most actively involved in the society and provided the greatest contribution to the field of weed science through extension, research or teaching. Remember, the deadline for submissions is **September 30, 2013**.

Email an electronic version (pdf preferred) of complete nomination packages for all awards to: david.h.johnson@pioneer.com. Feel free to call me at 515-535-7234 with any questions.

Washington Report

Lee Van Wychen



FY 2015 USDA Appropriations

The FY 2015 appropriations process is in full swing as the Administration released its budget request in April and the House and Senate marked up their draft USDA budget in May. Included in the table is the enacted budget for each of the USDA agencies in FY 2014, followed by the proposed FY 2015 numbers from the Administration, House and Senate. The USDA Animal and Plant Health Inspection Service (APHIS), Economic Research Service (ERS), National Agricultural Statistics Service (NASS) and the National Resource Conservation Service (NRCS) are all slated for higher budgets by the Administration, House and Senate compared to FY 2014. The Administration's budget for the Agricultural Research Service (ARS) is down 1.6 percent to \$1.104 billion compared to FY 2014 while the Senate proposed a \$17 million increase for ARS compared to FY 2014. The Administration proposed a 4.4% increase for the USDA National Institute of Food and Agriculture (NIFA) to \$1.335 billion compared to FY 2014 while the House proposed a NIFA budget for FY 2015 that's a smidge lower than its \$1.277 billion it received this year.

budget proposals. Similarly, all three budget proposals for FY 2015 from the Administration, the House, and the Senate have the Hatch Act staying at \$244 million, the Smith Lever 3b and 3c funding for extension staying at \$300 million, and IR-4 program funding staying at \$11.9 million. The new Farm Bill that was passed in February also revived 2 programs that would have expired. The Specialty Crop Research Initiative (SCRI) will get \$80 million per year in mandatory funding. The Organic Agriculture Research and Extension Initiative (OREI) will get \$20 million per year.

USDA NIFA Crop Protection and Pest Management Funding

The RFA for the USDA NIFA Crop Protection and Pest Management (CPPM) grants program closes on June 19. WSSA had circulated the RFA in mid-May. While you are likely reading this after the RFA has closed, the Science Policy Committee would like to pass along some information regarding the equitable distribution of funds among the pest management disciplines. CPPM received \$17.1 million in funding for FY 2014 and is expected to see the same next year. CPPM contains the funding

USDA Agency	FY 2014	FY 2015 President	FY 2015 House	FY 2015 Senate
APHIS	\$821,721	\$834,341	\$867,705	\$872,414
ARS	\$1,122,482	\$1,104,403	\$1,120,253	\$1,139,673
ERS	\$78,058	\$83,446	\$85,784	\$85,373
NASS	\$161,206	\$178,999	\$169,371	\$178,154
NIFA	\$1,277,067	\$1,335,536	\$1,273,804	\$1,292,448
NRCS	\$812,772	\$814,772	\$843,053	\$849,295

authorities for the Pest Management Alternatives Program, the IPM grants program, the Regional IPM Centers funding, and the capacity funds for the Extension IPM (E-IPM) Coordinators program. Over half of the CPPM funding

Within NIFA, the Agriculture and Food Research Initiative (AFRI) is proposed to increase 2.8% from \$316 million to \$325 million in all three FY 2015

authority is derived from E-IPM capacity funds (\$9.9 million). Each eligible institution must submit a 3 yr proposal for the E-IPM funds at

\$300,000 max per year. There is only one proposal allowed for an institution. With the “repackaging” of the E-IPM funds into CPPM, there will now be up to a 30% indirect cost charge. However, USDA is hoping that universities take less than the 30% rate. The process of developing each institution’s proposal is the responsibility of the Director of Cooperative Extension. The Director puts together the writing team and vets the proposal before submission. The 2014 directory of State Extension Service Directors and Administrators can be [found here](#). Every state is a little different in terms of how the E-IPM application process works and who is the lead P.I. for the E-IPM fund proposal. Some states have very good “team efforts” among the pest management disciplines. Other states are completely run by one pest management discipline or another. If your institution is not inclusive of all pest disciplines (specifically Weed Science) please let me know.

House and Senate Direct Spending Towards Herbicide Resistance

The FY 2015 agriculture appropriation bills from the House and Senate both contain directives to the various USDA agencies to help improve herbicide resistance management. In the Senate Ag Appropriations Committee bill under the USDA research programs it states: *“Herbicide resistant weeds are a major threat to food, feed, and fiber production in the United States and the problem is expected to continue to increase in size and scope. Current funding for research and extension is woefully inadequate. The Committee is concerned that the lack of research based information significantly delays developing effective management strategies to address the herbicide resistance problem. The Committee encourages NIFA, in conjunction with ARS and land-grant institutions, to conduct research that will more comprehensively address herbicide resistance. Research may include: identification of herbicide resistant weed populations or those most likely to develop resistance, characterization of mechanisms of resistance, and development of innovative weed management strategies to overcome current*

resistance problems and delay or prevent future ones. In addition, effective and widespread dissemination of results to farmers, foresters, and rights of way land managers through extension and outreach will be critical to the success of this endeavor.”

The Senate Ag Approps Committee also has directives for the **NRCS** addressing a variety of weed science related issues including promoting the adoption of cover crops, addressing the threats posed by invasive plant species, and herbicide resistance. Specifically: ***“Herbicide Resistance- The Committee is concerned that pigweed has seriously endangered conservation tillage and has increased herbicide costs by more than 70 percent for some crops. In an effort to address herbicide-resistant weeds and associated environmental concerns, agricultural advisors and producers have become increasingly more aggressive with conservation planning and practice implementation to solve this issue. The Committee directs NRCS to ensure agency staff, partners, and producers are aware of new and interim conservation practice standards and conservation activity plans to address herbicide-resistant weeds, such as pigweed, and that financial assistance through certain conservation programs is available to assist producers in their efforts to control these weeds.”***

The House Ag Appropriations committee has similar directives to manage invasive weeds and herbicide resistance in its markup language. ***“Cheat Grass Eradication. —The Committee encourages ARS to continue research on cheat grass eradication, control, and the reduction of fuel loads, including late-season grazing techniques, and to work with the NRCS on this effort”. Herbicide Resistance. The Committee reminds NRCS of the challenges many producers are facing due to the spread of herbicide-resistant weeds and encourages it to ensure agency staff, partners, and producers are aware of conservation practice standards and conservation activity plans to address herbicide-resistant weeds, and that financial assistance through certain conservation programs is available to assist producers in their efforts to control these weeds. Invasive Annual Grasses.—The***

Washington Report - Continued

Secretary is encouraged to consider targeted herbicide treatments of invasive annual grasses and restoration efforts to compliment juniper control efforts on greater sage-grouse habitat on private rangelands.

Aquatic Plant Research Gets \$5 million Boost

On June 10, the president signed into law the Water Resources Reform and Development Act of 2014 (WRRDA). This follows Congressional approval of the conference agreement reached in May by House and Senate negotiators that resolved the differences that occurred over 6 months between each chamber's version of the water resources reauthorization legislation. Within WRRDA, there is language for aquatic invasive species prevention and management, as well as a review of existing Federal authorities related to responding to invasive species, including aquatic weeds. WRRDA increases the authorization of funding from \$15 million to \$20 million per year that supports the U.S. Army Corps of Engineers' (ACOE) Aquatic Plant Control Research Program (APCRP), the nation's only federally authorized program for research and development of science-based management strategies for invasive aquatic weeds. WRRDA also authorized \$20 million in new annual funding to establish watercraft inspection stations in the Columbia River Basin to be located in the States of Idaho, Montana, Oregon, and Washington at locations with the highest likelihood of preventing the spread of aquatic invasive species at reservoirs operated and maintained by the ACOE.

However, you may be aware that while APCRP was authorized at \$15 million per year for the past 20 years, the most they were appropriated was \$6 million, and over the last few years we have had to scratch tooth and nail to get \$4 million in funding appropriated. The expertise and institutional knowledge encompassed by APCRP is much underrated and often gets overlooked in the \$1.6 billion construction account the ACOE oversees. The good news is that there was broad bipartisan support from both chambers on final passage of the WRRDA conference agreement. In addition, WRRDA expanded the scope of research directed to control not

just aquatic plant growths, but all aquatic invasive species. Specifically, the authorizing language will now read: *"There is hereby authorized a comprehensive program to provide for prevention, control, and progressive eradication of noxious aquatic plant growths and aquatic invasive species from the navigable waters, tributary streams, connecting channels, and other allied waters of the United States, in the combined interest of navigation, flood control, drainage, agriculture, fish and wildlife conservation, public health, and related purposes, including continued research for development of the most effective and economic control measures, to be administered by the Chief of Engineers, under the direction of the Secretary of the Army, in cooperation with other Federal and State agencies."*

Controversy Abounds on WOTUS

On April 21, the EPA and Army Corp of Engineers jointly published a rule meant to clarify what are "Waters of the United States" (WOTUS). The proposed rule would expand Clean Water Act (CWA) jurisdiction to almost all waters in the United States subjecting thousands of streams, ditches, and other "small" waters to federal permitting and citizen lawsuits, impacting how communities and landowners manage their public and private property. The proposed rule states that all streams, as well as all waters and wetlands located in floodplains and riparian corridors, share a connection or "nexus" to downstream, traditionally regulated waters and are therefore subject to default regulation. The proposed definition includes a number of imprecise and broadly-defined terms such as 'adjacent,' 'riparian area' and 'floodplain' that do not clearly delineate which waters are covered. For the first time, 'tributary' is defined and includes bodies of water such as manmade and natural ditches. 'Other waters' also may be subject to the jurisdiction of the CWA on a case-by-case basis if there is a 'significant nexus' to a traditional navigable water. The expanded jurisdiction and the imprecision of the terms used by the agencies may result in significant added legal and regulatory costs. Farmers, ranchers, home builders and home owners that conduct activities and projects on lands with WOTUS designation will be directly affected. Permits may be required for removing debris and

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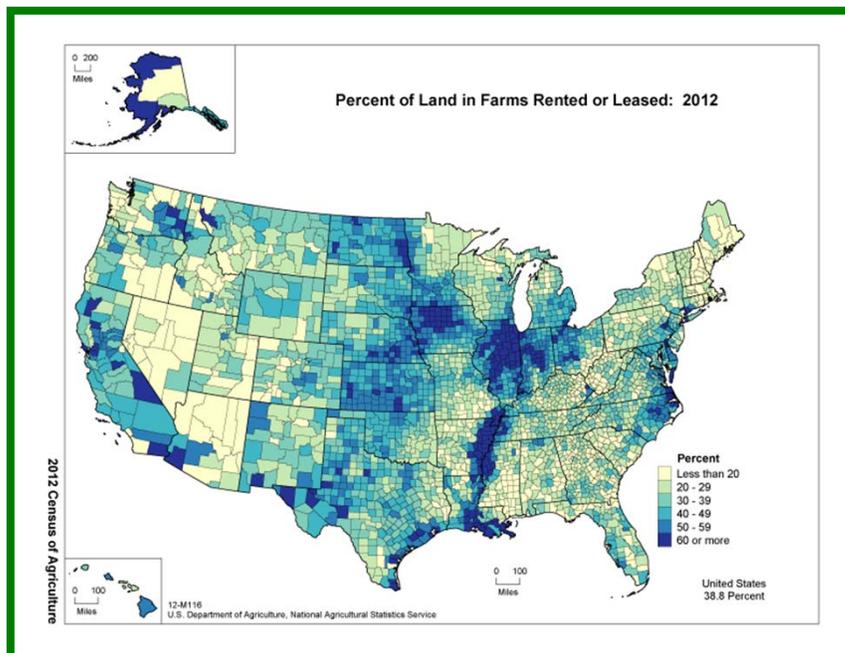
vegetation from a ditch, applying a pesticide, or building a fence or pond. In addition, landowners will be subject to citizen lawsuits under CWA provisions, challenging their ability to manage their own property. Opponents of the rule say that clarification is not necessary because EPA and the Corps already have authority under the CWA to prosecute illegal dumping. Under section 402 of the CWA, unpermitted discharges of pollutants that reach jurisdictional waters either directly or indirectly are unlawful. EPA is taking comments on the proposed rule from now through Monday, October 20, 2014 and has already received over 3.5 million comments. To submit your comments via the Federal Register, please go to: <https://www.federalregister.gov/articles/2014/04/21/2014-07142/definition-of-waters-of-the-united-states-under-the-clean-water-act#p-5>

Pesticide Registrants Can Now Make Legally Valid Product Labels Accessible on the Internet

In April, EPA provided guidance to pesticide registrants for optional participation in web-distributed labeling for pesticide products. EPA believes that voluntary adoption of these recommendations by pesticide registrants will help pesticide users to better understand and comply with pesticide labeling. In addition, EPA believes that web-distributed labeling could allow addition of new uses, modification of existing labeling, and implementation of labeling-based risk mitigation measures more quickly. However, all pesticide products must still be accompanied by a physical copy of EPA-approved labeling. Those physical product labels will not be shortened in any way due to the launch of Web-distributed labeling, but the new process will allow pesticide registrants to include a reference to a website from which pesticide applicators can download enforceable labeling. The pesticide registration notice on Web-distributed labeling is available at http://www.epa.gov/PR_Notices/pr2014-1.pdf

USDA-NASS Releases 2012 Ag Census

On May 2, USDA's National Agricultural Statistics Service (NASS) release the final results of the 2012 Census of Agriculture, which is the 28th Federal census of agriculture and the 4th conducted by USDA. The census of agriculture provides a detailed picture of U.S. farms and ranches every five years. It is the only source of uniform, comprehensive agriculture data for every State and country or county equivalent. The USDA Census of Agriculture homepage is: <http://www.agcensus.usda.gov/>



USDA-ERS Publishes Pesticide Use Report

The USDA Economic Research Service (ERS) published an 86 page Economic Information Bulletin in May titled "Pesticide Use in U.S. Agriculture: 21 Selected Crops, 1960-2008". The report examines trends in pesticide use in U.S. agriculture from 1960 to 2008, focusing on 21 crops that account for more than 70 percent of pesticide use, and identifies the factors affecting these trends. The report can be found here [\[CLICK\]](#).

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People and Places

Meaghan Bryan

Meaghan Bryan, a graduate student at Iowa State University, received a University Teaching Excellence Award during the spring semester. Meaghan has taught a section of Agronomy 217, Weed Identification, for the past three semesters.

Harlene Hatterman-Valenti

Harlene Hatterman-Valenti received the NDSU Outstanding Faculty Advising Award during the NDSU Celebration of Faculty Excellence this past May. The student nominated award was established in 2012 by the Provost's Office to highlight the importance of academic advising at NDSU.