

# NCWSS • News

North Central Weed Science Society

Vol 22, Number 1, Spring 2006

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North Central  
Weed Science Society

Please send your articles for the Summer NCWSS Newsletter to Harlene Hatterman-Valenti by May 15th  
Electronic Submission is preferred, send articles to [h.hatterman.valenti@ndsu.edu](mailto:h.hatterman.valenti@ndsu.edu)

## From your 2006 President – Steve Miller

It is an honor and privilege to have the opportunity to serve the North Central Weed Science Society as your president. Our society continues to function in the midst of profound changes in our discipline. Because of these changes our Society has had to change; “status quo” no longer works. This past year we instituted a number of changes in our annual meeting. Some were successful and others need further modification in the future. The new board of directors and I welcome all input and suggestions from you our members to help shape and continue to make our Society a premier regional scientific group.



Stephen Miller, 2006 NCWSS President

Our membership is diverse; it is comprised of public and private enterprises, students and professionals. Our members are involved in research, teaching, development, marketing, outreach, regulatory aspects, and much more. I hope you all realize the strength of our Society is in this diversity. The information from the survey conducted in 2004 has been vital in helping us learn who we are, what we expect, and why we attend and participate in the North Central Weed Science Society.

It is important that you, our members, continue to be actively involved in the Society. Those on the NCWSS board of directors or one or more of our many committees have their responsibilities defined. Those not on the board or serving on committees can still be involved in the Society by volunteering at the summer weed contest, judging papers or posters at our annual meeting, by promoting the Society and encouraging others to participate, or by planning now to make a paper or poster presentation at our next meeting in Milwaukee.

## 2005 Conference

My reflections on our annual meeting in Kansas City are that it was a good meeting with excellent facilities. John Wollam and Mike Edenfield and the local arrangements committee did an excellent job of insuring everything went off without a hitch. The general session speakers set the stage and tone for the meeting. The chairs of the symposia (Michael Horak and Kevin

Continued on next page

## From your 2006 President - Steve Miller

Gibson) did an excellent job of organizing, promoting, and networking with individuals who do not normally attend NCWSS. Their speakers were top notch and brought cutting edge information to the meeting. Hopefully, many of the guests who attended our symposia will become members in the future.

Students who participated in the paper and/or poster contest did an outstanding job and even though they were not all presented awards they were all winners as they made some of the best presentations at the meeting. The Tuesday night mixer was a success and industry really stepped forward to support this event. Kip Sanders must be given a lot of the credit for its success as he strong armed industry to support it. Adrian Moses developed a new section called "What's New from Industry" and this was one of the most attended sessions at the meetings.

I would like to thank Tom Peters for all his efforts in guiding our Society during his tenure as vice president, president-elect, and as our 2005 president. Tom's efforts to strengthen the Society will pay big dividends in the future. He was instrumental in conducting the membership survey and making sure suggestions were incorporated into the 2005 meetings.

## Where IS the Society Headed?

Over the next few years the Board of Directors and Long Range Planning Committee will need to address six major issues. These include:

1. Define current and future composition of membership.
2. Align annual meeting program to the needs of the desired membership.
3. Elevate committee activity and function in the Society.
4. Consider current and alternative revenue sources.
5. Develop a communication and alliance strategy.
6. Develop and discuss a long term vision and strategic plan for the Society.

The Society is currently addressing several of these issues and hopefully more changes will be made in the future. However, as I reflect on the Society, there are many good things; and that includes its membership diversity and the membership's willingness to get involved in the Society. Have a good spring. The 2006 meeting will be upon us before we know it. ♦

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## 2005 NCWSS Presidential Address - Tom Peters

It is a privilege and an honor to be your President and to speak to you today. My presentation today is a potpourri of activity that has occurred in 2005. Topics that I will discuss today include updates, what I consider to be outstanding achievement, the summer contest, a model for consistency and progress on change.

On the topic of updates, two entities that are important to the North Central Weed Science Society (NCWSS) are the Council of Agriculture Science and Technology (CAST) and the Director Science Policy (DSP). CAST and DSP are important to us since a) they both receive funding from NCWSS and b) they enable agriculture including the discipline of weed science. As President-Elect Steve Miller stated in his opening comments, Dr. John Bonner is the new Executive Director for CAST. For those that are not familiar, CAST is a nonprofit organization that was established in 1972 by among others, Dr. Charles Black, professor at Iowa State University. Membership of CAST includes societies, individuals,

companies, not-for-profits and associate members. The purpose of CAST is to assemble, interpret and communicate science-based information to legislators, regulators, policy makers, the media, the private sector and the public. The second major change/update in our community is the resignation of Rob Hedberg and the recruitment of Dr. Lee Van Wyche as Science Policy Director for national and regional weed science societies. The role and purpose of the DSP is to monitor and report on activities in Washington which are relevant to the societies. In addition, the DSP pursues and comments on science issues that are of interest and concern of societies. Drs. Bonner and Van Wyche are in attendance today.

The NCWSS has always had interesting symposia and 2005 is no different. Topics for this year's meeting are "Invasive Plants in the Midwest, Assessment, Management and Partnerships" organized and chaired by Dr. Kevin Gibson and a "Scientific Meeting on Crop Gene Flow and the Occurrence and Consequences of Gene Introgression

## 2005 NCWSS Presidential Address - Tom Peters

Between Crops and Their Sexually Compatible Relatives” organized and chaired by Dr. Michael Horak. What makes this year different is that we have actively publicized our topics in advance of the meeting. Drs. Gibson and Horak, in coordination with Vice President Adrian Moses, have actively publicized our symposium in many places including the NCWSS web site. An example of topics that drive attendance is Dr. Carol Mallory-Smith, President of the Weed Science Society of America who is attending the NCWSS for the first time...to attend the Gene Flow symposium.

I want to thank the continued participation and support of Industry, particularly our Sustaining Members to this society. For those that don't know, Sustaining Members pay membership dues that are commensurate with their annual sales. The number of Sustaining Members has steadily decreased over time. One of the duties of Chair of the Industry Committee is to recruit sustaining members. Years ago I was chair of the Industry Committee and faced the same tasks. I was more concerned with not losing sustaining members than adding members and I suspect there were others Chairs over years that had the same goal. This years Industry Chair Dr. Kip Sanders had a different idea. Kip set a goal to increase the number of sustaining members by 50%. And it has worked. New sustaining members are Albaugh, Chemorse, Huntsman, Kalo, Makhteshim Agan, Micro Flow Company, NuFarm, Rhodia and Uniqema. Kip informed me last night that Kalo had agreed to contribute. Kip didn't quite reach his goal. However, I'm willing to bet that we would have reached our goal if this General Session was on Thursday instead of today (Tuesday). Kip's contribution to the society as Industry Chair has been outstanding.

One activity that the NCWSS does well is our Collegiate Weed Science Contest. This year was no exception. Kansas State University under the organization of Dr. Anita Dille and students Doug Shoup and Chris Schuster did an outstanding job

of organizing and hosting the contest. We also had participation from the Southern Weed Science Society! University of Arkansas and Mississippi University took advantage of close proximity and attended our contest. The contest is now in its twenty-fifth year. Note that universities have hosted the contest the past two years or in 2004 and 2005. We don't have a contest venue yet for 2006 but I can tell you, as President, I'm going to do everything in my power to ensure that we have a 2006 contest. Matter of fact, we are going to have a 2006 contest and

potential venues for the 2007 and 2008 contests.

The focus of the 2005 General Session was NCWSS at its crossroads. I emphasized the change in the size of the meeting in the past five to ten years. For example, I was Local Arrangements chair of the 1996 meeting when 756 people paid a registration fee of \$110.00 to attend. We filled the hotel that year and due to a major downtown convention, bused attendees in from a hotel near the airport. In 2003 or eight years later 381 people attended the meeting and paid a registration fee of \$210.00 to attend the Louisville meeting.

Wayne Fithian mentioned the word “change” on several occasions during his talk.

Thank you very much for using

my favorite word during your presentation. I have made it a point to discuss “change” at every possible opportunity during the past twelve to eighteen months. Your Long Range Planning Committee under the leadership of Mr. Wayne Fithian, the Board and the Membership has embraced the need for change within our society. We have approached change both from a tactical or short term basis and from a strategy or long term basis. In the short-term, we have polled our membership to ask how we can change the program to make this meeting more valuable to you. For example, our symposia this year included oral presentations, posters and workshop. Second, we have created an environment of a meeting within a meeting with people attending symposia that don't normally attend our conference. Third, this year we



**Tom Peters, 2005 NCWSS President**



will have a society mixer that is enabled to a poster session. The idea is to walk around and enjoy the posters while you eat and drink. And finally, Adrian Moses will chair a new session called "Industry Update" on Wednesday afternoon.

On the strategy side, we asked for help from Dr. Peter Bloom through a program called Cultivated Leadership, a collaboration of CAST and the Institute of Conservation Leadership to help us. There have been several important activities in 2004. Drs. Bryan Young and Kassim Al-Khatib attend Shared Leadership I in August, 2004. As a follow to Leadership I, Peter, Kassim and Bryan conducted a benchmark survey of present and former board members and facilitated a discussion of the results to the board prior to the 2004 meeting. We also surveyed our membership during the 2004 meeting. Some of the results from the survey were articulated by Wayne Fithian for you today. And finally, members of the Long Range Planning Committee and the Executive Committee attended Shared Leadership II in July, 2005 in Manhattan, KS.

At issue is the challenge of uncertain future membership. Our membership is mixed as to how the society should proceed. Some have suggested that we adjust dues and services in keeping with the reduced membership base. Others have suggested that we begin to actively recruit nontraditional members and to pursue closer relations with allied groups. This disagreement may be related to the lack of vision for the future, our aspirations for the future or a compelling

vision for the future. The NCWSS lacks a clear statement of its aspirations for the future and its intended impact in the world. Creating a common and compelling vision for the future is central to energizing volunteer leads and attracting new members. We developed a mission statement, a vision statement and started work on a strategic plan during Shared Leadership II. My goal during my year as "Past President" is to implement these concepts and others.

One can ask, are these changes enough. I can tell you that I support the concept of an Executive Director that is either part-time or shared across societies. I'm convinced in today's day and age, a truly volunteer organization cannot sustain itself. I believe that we need someone that wakes up every morning thinking about the affairs of the society. I support the continued evaluation of the composition of our "Board." Does our collection of standing committees reflect the needs or our membership? And finally, we need to continue to evaluate the format of the annual meeting. Do we offer enough time for our poster session since "posters" represent over one third of the papers in our meeting? If no, where will the time come from? How much value is in the General Session? Is the Wednesday evening banquet the best place to make the awards presentations?

I am really excited about this venue, these symposia, these sessions and our attendance projections. Lets have a great meeting. Thank you for your support and for attending the General Session today. Enjoy the meeting! ♦

## 61st Annual Meeting Set for Milwaukee

The Hyatt Regency Milwaukee is the site for our upcoming annual meeting, December 11 – 14, 2006. I recently visited the Hotel and came away impressed both with the people and the facilities. The hotel is ideally located in the heart of Milwaukee and it is connected by skywalk to many shops and restaurants, including the Grand Avenue Mall. If you have extra time during the meeting, other local attractions include Harley Davidson's Headquarters, Marquette University, Lake Michigan and Milwaukee's Breweries.

Steve Miller and Adrian Moses are already busy planning the meeting and the program promises to



be one of the best. Updates on the meeting will be included in future newsletters. All of us in Wisconsin are committed to the success of the meeting and we are looking forward to seeing you in Milwaukee.

Local arrangements chair

Mick Holm; 608-231-9961  
Mick.f.Holm@usa.dupont.com

## New NCWSS Vice President - Bill Johnson

Bill Johnson was elected as the new NCWSS Vice President at the 2005 annual meeting. Bill grew up on a hog and grain farm in northwest Illinois, obtained a BS degree from Western Illinois University and MS and Ph.D degrees from the University of Arkansas. In his professional career, he has worked as a Research Agronomist at the Land O'Lakes Research Farm in Fort Dodge, IA (1994-1995), and as a faculty member at the University of Missouri (1995-2002) and Purdue University (2002-present). He is currently an Associate Professor of Weed Science at Purdue with Extension and research responsibilities in weed biology and management in agronomic crops. Bill has been an active member of NCWSS since 1994 and served as the Newsletter and Communications Editor from 2000-2005.

## Extended Thanks and Congratulations

A special thank you to several individuals have completed their term on the Board of Directors including Jerry Doll (complete the Presidential rotation), Bryan Young (Editor, Research Report), Roger Becker (WSSA Rep.), Rob Hedberg (Science Policy Dir.), and Joe Bruce, Kristine Schaefer, Tom Rabaey, Kirk Howatt, and Peter Sikkema (State Directors). Congratulations to newly elected officers including Bill Johnson (From Editor Communications to Vice President), Harlene Hatterman-Valenti (Editor Communications), Anita Dille (WSSA Rep.), Lee Van Wychen (Science Policy Dir.), and Patrick Tranel, Leslie Lloyd, Brett Miller, Brian Kuehl, Darren Robinson (State Directors).



## Officers:

### Top, Left to Right

Adrian Moses (President-Elect)  
Bill Johnson (Vice President)  
Stephan Miller (President)  
J.D. Green (Secretary/Treasurer)

### Seated, Left to Right

Tom Peters (Past President)  
Anita Dille (WSSA Rep.)  
Bryan Young (Editor, Research Report)

### Not Present

Robert Hartzler (Editor Proceedings)  
Harlene Hatterman-Valenti (Editor Communications)  
Kassim Al-Khatib (CAST Rep.)  
Robert Schmidt (Exec. Secretary)  
Lee Van Wychen (Science Policy Dir.)

## State Directors:

W. Brien Henery	Colorado	Jess Spotanski	Nebraska
Patrick Tranel	Illinois	Brian Kuehl	North Dakota
Helen Flanigan	Indiana	Jeff Taylor	Ohio
Leslie Lloyd	Iowa	Case Medlin	Oklahoma
Doug Nord	Kansas	Darren Robinson	Ontario
Glen Murphy	Kentucky	Dave Vos	South Dakota
Andy Chomas	Michigan	Stephen Sanborn	Wisconsin
Brett Miller	Minnesota	Andrew Kniss	Wyoming
Dennis Belcher	Missouri		

**For Contact  
information, see  
North Central Weed  
Science Society Board  
and Committee  
Members 2006 on  
[www.ncwss.org](http://www.ncwss.org)**

# *N 2006 Weed Contest*

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The 2006 NCWSS Weed Contest has been set for **July 26th (arrival day) and July 27th** (contest day) at Midwest Research in York, Nebraska. The society would like to thank Jess Spotanski and his family for agreeing to host this year's contest. If you are at an academic institution, please consider sending undergraduate and graduate students to this excellent learning experience. This contest takes about 50 volunteers during the day of the contest to operate, so please mark your calendar. Additional 2006 contest details for contestants and volunteers can be viewed, as it becomes available, at the NCWSS web site.

## **Weed Science Related Grants**

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### **The Center for Invasive Plant Management (CIPM)**

announces its 2006 research grant program. Grants are available in several categories (seed money, information synthesis and assessment, and decision-making). Projects must focus on plants that are problematic in the West, although the research can be conducted anywhere in the U.S. Proposal deadline is March 10, 2006.

For more information, see  
[http://www.weedcenter.org/grants/grants\\_overview.html](http://www.weedcenter.org/grants/grants_overview.html).

### **The North American Wetlands Conservation Act (NAWCA)**

promotes long-term conservation of North American wetland ecosystems, and the waterfowl and other migratory birds, fish and wildlife that depend upon such habitat. Principal conservation

actions supported by NAWCA are acquisition, establishment, enhancement and restoration of wetlands and wetland-associated uplands. The North American Wetlands Conservation Council (Council) has created a Small Grants program. to promote long-term wetlands conservation activities through encouraging participation by new grantees and partners who otherwise may not be able to compete in the Standard Grants program. Also, the Council believes that a Small Grants program can be important in developing a pool of new partners/grantees who eventually might participate in the Standard Grants program. Current Closing Date for Applications: Dec 01, 2006. Expected Number of Awards: 40. Estimated Total Program Funding: \$2,000,000. Award Ceiling: \$75,000.

For more information visit:  
<http://www.fws.gov/birdhabitat/NAWCA/USsmallgrants.html>



## Weed Science Related Grants

### Funding for the Management and Control of Invasive Species Affecting Grazing Land

Applications for grants (\$50,000 to \$500,000) to manage or control the spread of invasive species affecting grazing land are being sought. Up to \$4,146,120 is available for projects. Approximately 40 grants are expected to be awarded. A 1:1 match is required. Proposals that address invasive species concerns on western range (grazing) lands will be given a priority. Proposals are due on April 3, 2006.

For more information visit:

<http://www.nrcs.usda.gov/programs/glci/>

### The Wetlands Reserve Program

is a voluntary program offering landowners the opportunity to protect, restore, and enhance wetlands on their property. The USDA Natural Resources Conservation Service (NRCS) provides technical and financial support to help landowners with their wetland restoration efforts. The NRCS goal is to achieve the greatest wetland functions and values, along with optimum wildlife habitat, on every acre enrolled in the program. This program offers landowners an opportunity to establish long-term conservation and wildlife practices and protection. Current Closing Date for Applications: Mar 28, 2006. Expected Number of Awards: 12. Estimated Total Program Funding: \$9,500,000. Award Ceiling: \$3,000,000.

For more information visit:

<http://www.nrcs.usda.gov/programs/wrp/>

## Aquatics (SP39-6) Illinois Pesticide Applicator Training Manual Revised

This fully revised category manual is finally back from print and available for purchase. It replaces the 1996 manual so your reference library may need to be updated. It serves as a study manual for persons wishing to become certified as a Commercial, Commercial Not-For-Hire or Public Aquatics Applicator. It focuses primarily on aquatic vegetation management, but fish control methods and fish kill diagnosis are also discussed. The 68-page manual revised manual contains eight in-depth chapters that address

- (1) aquatic plants
- (2) major aquatic plant groups – their habitats and identification
- (3) conditions for aquatic plant growth
- (4) nonchemical aquatic plant management
- (5) chemical aquatic plant management
- (6) chemical application methods, equipment, and techniques
- (7) fish population management
- (8) diagnosis and prevention of fish-related problems

Much information was added to the text of this revision and in many chapters, the revisions are quite substantial. This publication, printed in November 2005, has an accompanying workbook that has been revised as well. Both publications can be purchased from your local University of Illinois Extension office or ordered by calling (800)345-6087. Orders may be placed online at [www.PublicationsPlus.uiuc.edu](http://www.PublicationsPlus.uiuc.edu). For information about 2006 University of Illinois Aquatics pesticide applicator training clinics, contact the Pesticide Safety Education Program office at (800)644-2123.

Michelle Wiesbrook  
University of Illinois PSEP

The NCWSS Newsletter  
is edited by  
Harlene Hatterman-Valenti  
and designed by  
Glenn Nice

# NCWSS - Distinguished Achievement Awards



## NCWSS Distinguished Award Recipients

### **Standing, Left to Right**

Dr. Curtis Thompson -  
Distinguished Achievement -  
Service

Dr. Chris Boerboom - Distinguished  
Achievement - Education

Dr. Dennis Belcher - Industry  
Achievement Award

### **Seated, Left to Right**

Mr. Anthony Dobbels - Professional  
Staff Award

Dr. Christy Sprague - Young  
Scientist Award



### **Dr. Curtis Thompson**

**The Distinguished Achievement Award for Service** requires outstanding and creative contributions in service or leadership in activities that bring significant, important changes in weed science.

Curtis Thompson has shown dedication to weed science throughout his career and has always worked to improve our discipline. He earned B.S. and M.S. degrees in Agronomy from North Dakota State University and received a Ph.D. in Weed Science from the University of Idaho in 1991. He became an Assistant Professor and Extension Crops and Soils Specialist for southwest Kansas by Kansas State University and is now a full Professor. Curt's Extension program is very broad-based because the nature and primary goal of his extension program is to assist County Extension Agents and farmers with agronomic related issues. He is highly respected for his general knowledge of High-Plains agriculture and is a frequent participant in grower and ag-chemical dealer meetings. Curt participates in

approximately 70 public meetings and field tours each year, presenting agronomic and weed management information to approximately 1800 clients. He multiplies his outreach by working closely and effectively with crop consultants.

Curt's extension program is supported by an applied agronomy and weed science research program. He works cooperatively with a number of KSU Research and Extension scientists on various projects. The information generated in the research program is utilized on a local, regional and national level. Dr. Thompson also works cooperatively with industry on a number of projects. He is recognized as a regional expert on weed control in dryland cropping systems and industry frequently solicits his opinions on herbicide efficacy, labeling, and product positioning in the High-Plains region.

Dr. Thompson is an active participant in professional societies. He has served on the NCWSS Board of Directors and as a member and chair of several committees within our society, the Western Society of Weed Science, and the American Society of Agronomy. He has a strong interest in student educational activities as illustrated by serving as Chair of the NCWSS Resident Education Committee and as such was very involved with student contests. Curt is a valued member on committees because of his work ethic and reliability.



# NCWSS - Distinguished Achievement Awards



## **Dr. Chris Boerboom**

**The Distinguished Achievement Award in Education** recognizes outstanding educational achievements in weed science. Principal criteria include innovative or unique approaches that result in learning, ability to clearly communicate ideas, motivation

of the intended audience, and recognition of accomplishments by peers and the intended audience.

Chris Boerboom completed his BS and graduate degrees at the University of Minnesota and has been an extension weed scientist at the University of Wisconsin-Madison since 1994; he was promoted to Associate Professor in 1997 and to Professor in 2002. Dr. Boerboom is widely respected for his expertise in many aspects of weed management systems. His insight and advice are sought by a diverse clientele to whom he communicates useful, cutting-edge information on herbicide performance, herbicide-resistant crops and weeds, herbicide injury diagnosis, integrated weed management strategies, environmental impacts of weed management, and weed biology and ecology. Over the last 10 years, Chris has participated in an average of 31 meetings, meeting series, or field days per year, reaching nearly 3,300 ag-professionals and growers. He has been prolific in written word and media development; since 1996, Chris has authored or co-authored 16 single-print or series publications, five computer-media products, 34 conference proceedings, and more than 265 newsletter articles. Additionally, he has made numerous invited presentations, most recently at Purdue University's Top Farmer Crop Workshop, the International Sweet Corn Development Association meeting, and the Illinois Crop Protection Technology Conference.

Dr. Boerboom's extensive knowledge of weed management, biology, and ecology is one contributing factor to the high level of respect that he has within weed science and agriculture. Another contributing factor is his willingness to take on difficult, controversial issues impacting weed management. Most

notably, Chris is a recognized leader on glyphosate stewardship at the state, regional, and national levels. The principal reason for consensus on such a controversial topic among such a large number of agricultural associations is Dr. Boerboom's effective leadership. Chris subsequently co-hosted a national forum on glyphosate stewardship in which many national commodity organizations participated. He has also been a leader in the development and adoption of cutting-edge weed management tools like WeedSOFT, a software weed management decision support system. He proposed the first educational module that was incorporated into WeedSOFT and has developed highly engaging presentations based on WeedSOFT that address the complexities and risks associated with weed management decisions.

Dr. Boerboom has received prestigious awards for his dedication and excellence as a weed science educator, including the Wisconsin Fertilizer and Chemical Association Education Award, the Wisconsin Association of County Agricultural Agents Second Mile Award, Wisconsin Farm Progress Days Technology Transfer Award, and the University of Wisconsin College of Agricultural and Life Sciences Pound Extension Award, which is the most prestigious award for extension in our college. In addition, Chris received the NCWSS Distinguished Achievement in Weed Science Young Scientist Award in 1999.

Dr. Boerboom has also been an active member in the North Central Weed Science Society. Chris served as Secretary/Treasurer from 1997-2002, Chair of the Finance, Steering, and Policy Committee from 1998-2002, and member of the Program Committee from 1998-2002. He has been an author or co-author of numerous papers and posters at annual North Central Weed Science Society meetings including several symposia.

Chris' extension and research efforts have significantly impacted and helped to improve weed management systems in Wisconsin, the knowledge base of crop producers, and their approach to weed management. Dr. Boerboom has made and will continue to make important contributions to weed science education.

# NCWSS - Distinguished Achievement Awards

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## **Dr. Dennis Belcher**

Recipients of the **Industry Distinguished Achievement Award** must meet the basic guidelines in the education, research, or service categories and have made significant contributions to weed science within the industry.

Dennis Belcher received his M.S. (Mississippi State Univ.) and PhD (Univ. of Kentucky) degrees in entomology but has served in industry as a biological scientist for more than 20 years. His performance has met and exceeded the criteria for a service award. He is knowledgeable from both the crop and weed standpoint and rather than use this knowledge only to complete his job, he pioneered the development of an industry training program. This program includes modules on weed identification, herbicide mode-of-action, and herbicide resistance. Initially intended for use in training American Cyanamid employees, this program has been adapted and used throughout the chemical industry.

Dennis' contributions have led to development of significant weed control tools and the training necessary to implement those tools. He directed a group of 60 masters and PhD professionals and support staff in the development and launch of key ALS inhibiting herbicides which were widely adopted in the 1980's and 1990's to manage weeds in several agronomic crops. He remains active in this area, and was instrumental for launching key new technologies such as Clearfield corn, sunflowers, and wheat. He has received awards within industry that include Product Development Manager of the Year, Award for Excellence, Technical Services Manager of the Year, Midwest Technical Service Leadership Award and President's Club Award.

Dennis served the NCWSS in a number of key ways, including as the Missouri director, as both a poster and paper judge for the graduate student contest, and on the Local Arrangements and Fellow committees. Dennis was a key player in securing industry support for the Graduate Student Mixer and developing activities to make this event a success. He is a member of the WSSA and the Entomological Society

of America and serves on committees or as a journal reviewer in these societies.



## **Mr. Anthony Dobbels**

**The Distinguished Service Award for Professional Staff** recognizes outstanding and sustained contributions in support of weed science activities in the North Central region.

Anthony Dobbels was raised on a crop and livestock farm near Cambridge, IL. He attended Western Illinois University, receiving a B.S. in Agriculture Science in 1991. He obtained his M.S. in Plant and Soil Science at Southern Illinois University with an emphasis in weed science in 1993. He joined the Department of Horticulture and Crop Science at The Ohio State University as a Research Associate in 1994. Mr. Dobbels coordinates the herbicide evaluation program at OSU, and also much of the field research in weed management.

Mr. Dobbels is an essential part of the weed science program at OSU. He is highly regarded by co-workers at OSU and industry cooperators for his ability to successfully manage a large herbicide evaluation and field research program at various sites in Ohio. The results of the research program he manages are the basis for much of the information in one of the most important extension publications in the eastern corn belt, "The Weed Control Guide for Ohio and Indiana". Mr. Dobbels conducts or coordinates over 50 field research trials annually, and is well known among industry cooperators for his attention to detail in research, and his ability to deliver accurate results in a timely manner. He has streamlined the entire field research program at OSU, reducing costs and keeping the program current with regard to information collection and communication technology. His competence allows weed scientists at OSU to conduct a successful research program across a variety of crops and locations in Ohio. This has been especially critical with regard to research in herbicide resistance, which must necessarily be conducted in farmer's fields throughout Ohio. He has

# NCWSS - Distinguished Achievement Awards

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also coordinated research on winter annual weeds and dandelions throughout Ohio over the past five years, and the results of this research have contributed greatly to producers' ability to manage these weeds.

In addition to his research contributions, Mr. Dobbels is actively involved in extension education in Ohio. He makes several extension presentations in Ohio each year, and has developed extension presentations for specific crops that are used by others in the OSU weed science group. He has an outstanding breadth of knowledge on herbicide effectiveness and weed management due to his involvement in the OSU field research program, which makes him a welcome resource for extension programs in Ohio. He also co-authors a number of newsletter articles each year. Mr. Dobbels is also an essential component of graduate education at OSU. He has helped numerous graduate students implement their field research, and made a significant contribution to their training in the areas of herbicide application and statistical analysis. Mr. Dobbels is an outstanding resource in the area of data analysis for others at OSU due to his knowledge of SAS. He also helps in the establishment of field plots to train students for the NCWSS Summer Weed Science Contest.

Mr. Dobbels has been an active member of the NCWSS since 1991. He has been the author or co-author of numerous NCWSS poster and paper presentations. He has twice been a member of the Local Arrangements Committee, and was chair of the Research and Publications Committee.



**Dr. Christy Sprague**

**The Distinguished Service Award for Young Scientist** is given to members under 40 years old who fulfill the requirements to qualify for the education, research, or service award categories.

Dr. Christy Sprague completed her M.S. at the University of Illinois and her Ph.D. at Michigan State University. In 1999, she began her professional career at the University of Illinois as an assistant professor with extension responsibilities for weed management in field crops. In 2003, Christy accepted an extension

and research position at Michigan State University with weed management responsibilities in soybean, sugar beet, and dry bean. During her early career, Dr. Sprague has demonstrated exceptional qualifications based on 1) the high quality and productive research programs that she designed to address applied weed management issues of Midwest agricultural systems; 2) the significant contributions that she has made in creating and disseminating weed management information in her extension role; and 3) the efficient and effective leadership that she has provided to the NCWSS, along with her other service contributions.

## Research

Dr. Sprague's research program in Illinois has focused on many key issues facing Midwest weed management and has increased our understanding of 1) factors affecting herbicide efficacy for foramsulfuron and isoxaflutole; 2) weed biology and interference, especially for important species such as waterhemp and giant ragweed; and 3) the potential for applications of hyperspectral imaging and remote sensing technologies toward site specific weed management. Christy has been very efficient in publishing this research and has 18 accepted or published articles as a consequence. This is in addition to her 10 articles from her MS and PhD research. She has also published 42 NCWSS Research Reports, 64 abstracts and proceedings for the NCWSS and WSSA since 1999, and 24 proceedings for other state, regional, and national conferences. To support this research program, Christy has authored or collaborated on 23 grants to commodity organizations, industry, and federal programs that has provided over \$670,000 of support. She has developed an excellent and highly productive research program while balancing it against the time demands of extension.

## Extension

Dr. Sprague has established herself as excellent and highly credible source of extension information in the North Central region. Both within her state and within the region, she provides education to ag-professionals and growers on the practical information such as factors affecting herbicide efficacy, comprehensive weed management programs, weed biology and its relation to management, herbicide resistance and management options, herbicide injury and mode



of action training. Christy has authored or co-authored 12 extension bulletins and fact sheets, seven chapters of the annually revised Illinois Agricultural Pest Management Handbook, and two chapters of Illinois Agronomy Handbook, and 140 newsletter articles.

The requests that Christy has received to speak at state, regional, national, and international conferences and meetings may provide the greatest evidence of the respect that she has earned at this early stage in her career. Christy has delivered 22 presentations as an invited speaker. In total, 3,000 to 5,000 extension clientele annually receive education directly from her presentations.

### **Service**

Christy has always stepped forward and taken an active leadership role in most of the organizations in which she has contributed. Within the NCWSS, she chaired the Resident Education and the Extension committees. She has also served as the chair of the NC-202, a North Central regional research project, and chaired a symposium for the NCWSS and for the IPM National Symposium. Within her state, Christy has been a leader by chairing three in-state committees and chairing the Crop Systems Team for Extension. Nationally, Christy has served as a member of the four WSSA committees and has been a reviewer for both Weed Science and Weed Technology.



**Dr. Dallas E. Peterson**

**Fellow.** Recipients have made significant contributions to the North Central Weed Science Society and the Weed Science discipline.

Dallas came to Kansas State University in 1989 as an Assistant Professor. He has been a professor of weed science in the Department of Agronomy at Kansas State University since July 1998. He began his professional career as an Assistant Professor at North Dakota State University in 1987.

Dr. Peterson's contribution to Kansas State University and Kansas agriculture are many and well recognized. He provides statewide leadership for extension weed science programs, coordination of field herbicides evaluations, and applied research on weed management in small grains, soybeans, forages, and minor crops. In the last 10 years, his extension program reached more than 2500 person per year through direct contact. He conducted more than 50 meeting per year. He emphasizes in-depth training for agricultural professionals, he has published more than 90 extension bulletins, 24 papers in refereed journals and more than 450 abstracts, proceedings, and popular articles.

In addition, Dallas is highly involved in graduate student development and activities. He regularly serves as a major advisor for 32 graduate students and serves on many additional graduate student committees.

He also has developed and outstanding applied research program. His emphasis has been on Integrated Management practices for wheat and soybean. He was instrumental in developing basic research for WeedSOFT, weed management decision support system for Kansas. His research to develop management practices for herbicide resistant weeds such as Palmer amaranth and common ragweed is well recognized in the Midwest.

Finally, Dr. Peterson has made major contributions to NCWSS. He served as president, past president, president elect, vice president, executive board member, board member, WSSA representative, chaired several committees and research sections including distinguished achievement award committee, extension section, cereal and oilseeds section, program committee, and regional publication committee; and served as a member of several committees, including finance, steering, and policy, legislative information, long range planning, constitution and operating proceedings, and local arrangements. In addition, he served as member of KSU Weeds Group that hosted the 2005 NCWSS Student contest. Furthermore, Dr. Peterson authored 75 NCWSS paper and poster presentations and 125 NCWSS Research Reports.

# NCWSS - Student Paper Awards

## Sitting:

### Group I First Place - Justin M. Paller

Influence of Ragweed Borer on Glyphosate Efficacy in Common Ragweed. Justin M. Pollard\*, Reid J. Smeda, and Brent A. Sellers, University of Missouri, Columbia.

### Group I Second Place - James Hizzer

Evaluation of Imazamox as a Reduced carryover Option for Imidazolinone-resistant Rice. James W. Heiser\*, J. Andy Kendig, Chad L. Smith, Paula M. Ezell; University of Missouri Delta Center, Portageville.

## Standing:

### Group II First Place - Kate J. Kammler

Influence of Halosulfuron, Grass Herbicides, and Adjuvants on Jack-o-lantern Injury, Yield, and Weed Control. Kate J. Kammler, S. Alan Walters, and Bryan G. Young, Southern Illinois University, Carbondale.

### Group II Second Place - Joseph D. Bollman

Sweet Corn Hybrid Tolerance to Mesotrione, Nicosulfuron, and Foramsulfuron. Joseph D. Bollman\*, Chris M. Boerboom, Univ. of Wisconsin, Madison; Don W. Morishita, Univ. Of Idaho, Twin Falls;

Mark J. VanGessel, Univ. of Delaware, Georgetown; Robin R. Bellinder, Cornell Univ., Ithaca, NY; Grant L. Jordan, A.C.C.S. Research, North Rose, NY; and Wayne Cooley, Colorado State Univ., Delta.

### Group III First Place - Joseph Armstrong

Classification of Early-season Multispectral Images for Low-density Weed Detection in Corn. Jon-Joseph Q. Armstrong\*, Richard D. Dirks, and Kevin D. Gibson, Purdue University, West Lafayette, IN.

### Group III Second Place - S. Ann McCordick

Establishment Systems for Glyphosate Resistant Alfalfa. S. Ann McCordick\*, James J. Kells, and Richard H. Leep. Michigan State Univ., East Lansing.



S. Ann McCordick receiving her award from Jeff Stachler.



Earl Creech receiving his award from Brett Miller.



# NCWSS - Student Poster Awards

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## From Left to Right

### **Group I First Place - Scott Bollman**

Response of Sugarbeet Varieties to s-Metolachlor and Dimethenamid- P Applications. Scott L. Bollman\* and Christy L. Sprague, Michigan State Univ., East Lansing.

### **Group I Second Place - Kate J. Kammler**

Effect of Halosulfuron, Grass Herbicides, and Adjuvants on Cucurbita Species Injury and Grass Control. Kate J. Kammler, S. Alan Walters, and Bryan G. Young, Southern Illinois University, Carbondale.



### **Group II First Place - Earl Creech**

Fall and Spring Development of Soybean Cyst Nematode on Winter Annual Weeds in the Eastern Corn Belt. J. Earl Creech\*, William G. Johnson, Purdue Univ., West Lafayette, IN; Bryan G. Young, Jared S. Webb, Jason P. Bond, Southern Illinois Univ., Carbondale.

### **Group II Second Place - Jeremy T. Lake**

Biology and Management of Cressleaf Groundsel. Jeremy T. Lake\* and Aaron G. Hager, University of Illinois, Urbana.



## NCWSS - Undergrad Student Poster Awards

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### **First Place - Edward M. Costigan**

A 2-Year Summary of Cohort Emergence in Narrow Row Soybean. Edward M. Costigan\*, Thomas J. Ross, and Christy L. Sprague, Michigan State Univ., E. Lansing.

### **Second Place - Valerie A. Mock**

Response of Selected Indiana Horseweed (*Conyza canadensis*) Populations to 2,4-D Rates. Valerie A. Mock\*, Vince M. Davis, J. Earl Creech, and William G. Johnson, Undergraduate Research Assistant, Research Associate, Graduate Research Assistant, and Associate Professor, Department of Botany and Plant Pathology, Purdue Univ., West Lafayette, IN.



# 2005 General Session



**Steve Miller**  
Opening of Session  
and announcements



**John Wollam**  
Welcome to Kansas  
City



**Wayn Fithian**  
What the Membership  
Survey Told us



**Michael Horak**  
An Update on the Gene  
Flow and Consequenc-  
es of Gene Introgres-  
sion From Crops to  
Their Wild Relatives  
Workshop



**Kevin Gibson**  
An Update on Invasive  
Weeds Symposium



**Tom Peters**  
President's Comments





# **NCWSS Resolutions for 2005**

## **Resolutions and Necrology Committee**

**Harlene Hatterman-Valenti, Chair**

- 1. RESOLUTION ON:** The Hotel Meeting Facility for the 60th Annual Meeting of the North Central Weed Science Society.

WHEREAS the North Central Weed Science Society requires adequate facilities and lodging in order to conduct the business and program of the Society at the Annual Meeting; and

WHEREAS the meeting rooms and facilities of the Hyatt Regency Crown Center of Kansas City, MO provided an excellent and spacious meeting environment; and

WHEREAS the staff and management of the Hyatt Regency Crown Center of Kansas City, MO were helpful and cooperative in fulfilling the needs of the Society for a successful Annual Meeting;

THEREFORE BE IT RESOLVED that the North Central Weed Society in session at Kansas City, MO, December 12-15, 2005 for the 60th Annual Meeting commends the Hyatt Regency Crown Center management and staff team for their outstanding efforts in providing the Society with excellent meeting facilities and arrangements.

- 2. RESOLUTION ON:** Local Arrangements Committee for the 60th Annual Meeting of the North Central Weed Science Society.

WHEREAS the North Central Weed Science Society relies upon the effort and diligence of the Local Arrangements Committee for arranging suitable facilities for the Annual Meeting; and

WHEREAS a diligent and well organized Local Arrangements Committee is crucial to the conduct of a successful Annual meeting; and

WHEREAS Co-Chairs John Wollam and Mike Edenfield, and other members of the Local Arrangements Committee have fulfilled all their responsibilities in an exemplary manner;

THEREFORE BE IT RESOLVED that the North Central Weed Society in session at Kansas City, MO, December 12-15, 2005 for the 60th Annual Meeting commends John Wollam and Mike Edenfield and the Local Arrangements Committee for their outstanding efforts in providing the Society with the excellent meeting facilities and arrangements.

- 3. RESOLUTION ON:** Graduate Student Paper and Poster Contest Judges for the 60th Annual Meeting of the North Central Weed Science Society.

WHEREAS the North Central Weed Science Society relies on voluntary contribution of time, effort, and expertise of its members selected to judge the Graduate Student Paper and Poster Contests; and

WHEREAS the judges selected for the Graduate Student Paper and Poster Contests for the 60th Annual Meeting fulfilled their obligations and responsibilities with dedication and commitment;

THEREFORE BE IT RESOLVED that the North Central Weed Society in session at Kansas City, MO, December 12-15, 2005 for the 60th Annual Meeting commends the judges of the Graduate Student Paper and Poster Contests for their inputs of time, labor, and cooperation in providing the Society with well run, successful contests at this Annual Meeting.

- 4. RESOLUTION ON:** The North Central Collegiate Weed Science Contest.

WHEREAS the North Central Collegiate Weed Science Contest requires adequate facilities in order to conduct the contest in an orderly and educational manner; and

WHEREAS the facilities at Kansas State University and the Department of Agronomy Ashland Bottoms Research Farm provided an excellent environment; and

WHEREAS the Summer Contest Host and staff of Kansas State University and the Department of Agronomy Ashland Bottoms Research Farm met the needs of the Society and had dedication for a successful North Central Collegiate Weed Contest;

THEREFORE BE IT RESOLVED that the North Central Weed Society in session at Kansas City, MO, December 12-15, 2005 for the 60th Annual Meeting commends the Kansas State Weed Science group for their outstanding efforts and hard work in providing the Society with an excellent facility and a well run and educational Weed Science Contest.



**5. RESOLUTION ON:** The recruitment of sustaining members by Kip Sanders.

WHEREAS Kip Sanders worked diligently to increase the number of sustaining members of the North Central Weed Science Society,

WHEREAS he generously offered his time, energy, and persistency to provide income to the Society;

THEREFORE BE IT RESOLVED the North Central Weed Society in session at Kansas City, MO, December 12-15, 2005 for the 60th Annual Meeting commends Kip Sanders for his hard work and persistency to increase sustaining membership for the Society.

**If you are a member of NCWSS and would like to announce, submit, or advertise something in the NCWSS Newsletter, contact Harlene Hatterman-Valenti at [h.hatterman.valenti@ndsu.edu](mailto:h.hatterman.valenti@ndsu.edu)**

### NCWSS Email List Service

NCWSS email list service is available for the distribution of NCWSS news and information.

The NCWSS List Service is updated in the early spring. You may receive an email notice of being subscribed to various lists. There is more than one service and if you serve on the board you may receive more than one.

If you would like to be removed from a NCWSS list service,

Simply email Glenn Nice at [gnice@purdue.edu](mailto:gnice@purdue.edu) and asked to be removed from that list.

### People and Places

**John Frihauf** has returned to K-State after a year with USDA in Urbana, Illinois to pursue a Ph.D. in Weed Science under the direction of Phil Stahlman.

The NCWSS Newsletter is edited by Harlene Hatterman-Valenti, created and arranged by Glenn Nice and filled by the members of NCWSS



North Central  
Weed Science Society

# Position Announcements

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## **Bennett Agricultural Research Consulting**

1109 Ivy Avenue, Richland, IA 52585

Tel: (319)456-3516

Fax: (319)456-2019

Email: [barc@lisco.com](mailto:barc@lisco.com)

**JOB TITLE**                                      Research Assistant

BARC is an agricultural research company located in Southeast Iowa. We provide residue, efficacy, and biotech crop research on a contract basis in Iowa and NE Missouri. We are starting our tenth research season, and we are looking for an individual to grow with our company. We will train the individual, but we are looking for someone who wants to learn and is dependable and detail oriented.

**RESPONSIBILITIES:** Responsible for field trial monitoring and conduct. Responsible for direct contact with client personnel related to field trials. Supervise Research Technicians. Responsible for field preparation, planting, and cultivating of research trials. Computer operations will include standard word processing and spreadsheet operations along with CAD, and research specific data collection and management programs.

**QUALIFICATIONS:** Agricultural degree required. Experience in crop production (required) with experience in operation and maintenance of commercial scale farm equipment preferred.

**COMPENSATION:** Salary and bonus system are competitive; to be discussed on an individual basis.

We would like to fill this position as early as possible. The position will be considered permanent, full time. If interested, please call 319-456-3516 and ask to speak to David Bennett or email at [barc@lisco.com](mailto:barc@lisco.com). A resume and references will be required.

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## **Kansas State University, SWREC, Garden City, KS**

**JOB TITLE:**                                      Cropping Systems Agronomist

**RESPONSIBILITIES:** Plan, implement, and direct a research (70%) and extension (30%) program in cropping systems focused on traditional and non-traditional crop production systems for southwest Kansas, a semi-arid climate that encompasses full-to-limited irrigation and strictly rain-fed operations. Creating more profit potential for water-limited cropping systems is a high priority. Emphasis will be on developing a mechanistic understanding of physiological relationships for predicting crop response to environment and cultural practices. Cropping systems research will be conducted with a team of scientists at SWREC and other KSU units.

**QUALIFICATIONS:** Expectations include providing leadership for cropping systems research and collaboration in related areas, publication of results in the peer-reviewed literature in a timely manner, partnering with colleagues on joint publications, and pursuit of extramural funds.

This position reports to the Head of the Western Kansas Agricultural Research Centers for research and extension responsibilities. Tenure home is the Department of Agronomy.

**DEADLINE:** Application screening will begin on 1 April 2006 and continue until the position is filled. For further information visit the website: <http://www.wkarc.org/Employment/swrec1.htm> or email [JBaier@ksu.edu](mailto:JBaier@ksu.edu).

# Position Announcements

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## North Carolina State University, Raleigh, NC

**DESCRIPTION OF EMPLOYER:** A nationally recognized leader in science and technology with historic strengths in agriculture and engineering, NC State provides a high-quality education in the humanities and social sciences, design, education, life sciences, management, natural resources, physical and mathematical sciences, textiles and veterinary medicine. NC State is ranked 6th in technology strength of patents, 7th among national research universities in industry-funded research, 12th among national research universities in non-federally funded research, and has received more than 500 patents for beneficial technologies developed by our world-class faculty.

**DESCRIPTION OF LOCATION:** Great location convenient to the mountains, ocean, piedmont, and to Washington, DC. Airport with numerous national and international connections located 20 minutes from campus. Numerous cultural opportunities are located in the Raleigh/Durham/Chapel Hill area. Headquarters for BASF and Bayer are located in the Research Triangle Park (RTP) located 20 minutes away and Syngenta is located in Greensboro, approximately 90 minutes from campus. Numerous other companies are also located in RTP.

**SALARY:** To be determined based on qualifications

**BENEFITS:** In-state tuition, fees, and health insurance

**CLOSING AND START DATE:** Open until filled and available immediately.

**RESPONSIBILITIES:** Several potential research projects are available ranging from invasive species management and biology on aquatic and non-cropland sites to collaborative efforts in North Carolina cropping systems. Projects will typically be field-based with greenhouse and/or laboratory components.

**QUALIFICATIONS:** A BS and/or MS degree in Weed Science, Botany, Plant Ecology, Plant Physiology, Entomology, Plant Pathology, Crop or Horticultural Sciences, or related discipline

An interest in invasive plants or weeds.

Ability to work independently and cooperatively with other students and staff is essential for a platform of synergism.

Ability to work in a variety of settings including hot or cold field conditions, steep terrain, roadsides, aquatic sites, and settings with exposure to potentially dangerous wildlife.

Good communication skills, written and oral, are required.

**SUBMIT:**

- 1.) Letter of interest
- 2.) C.V.
- 3.) Transcripts or summary of relevant courses including GPA
- 4.) Contact information for at least three references
- 5.) GRE scores

**CONTACT:** Dr. Rob Richardson, Assistant Professor, Aquatic and Non-cropland Weed Management Box 7620 Williams Hall, NCSU, Raleigh, NC 27695; (919) 515-5653 (o), rob\_richardson@ncsu.edu



# Washington Report

December, 2005 – Lee Van Wychen

## Congress Passes FY2006 Agriculture Appropriations Bill

The House and Senate approved the conference report on the FY2006 Agriculture appropriations bill and President Bush signed it into law on November 10, 2006. It was only the fourth of eleven FY2006 spending bills to make it through the entire legislative process. The \$100.2 billion Agriculture spending bill boosts spending on food stamps and nutrition programs but delays the implementation of country-of-origin labeling laws and maintains the ban on the reimportation of prescription drugs.

The bill funds USDA Research and Development programs at \$2.4 billion, a slight cut of \$9 million or 0.4 percent that stands in sharp contrast to a requested 15 percent cut because of hundreds of millions of dollars in earmarks. USDA intramural Research and Development funding declined 1.7 percent or \$22 millions to \$1.3 billion, primarily because of a drop in research and development facilities construction funding.

Congress rejected USDA's proposals to slash formula funds in its extramural research portfolio, and instead preserves a balance between formula funds, competitive funds, and earmarks. The final Agriculture appropriations bill keeps Hatch Act formula funding for land-grant colleges at \$179 million, in contrast to a USDA proposal to eliminate half of this funding and shift the funds to a new \$75 million competitive grants program. The National Research Initiative (NRI) of competitively awarded research grants increases slightly to \$183 million. Earmarked special research grants, however, grow from \$120 million to \$128 million. The FY2006 appropriation for Forest Service Research and Development is \$329 million, up \$15 million from last year.

## The WSSA Provides Comments for the USDA-CSREES Stakeholder Workshop on Plant and Pest Biology Priorities and Concerns

On November 16, 2005, the USDA Cooperative State Research, Education, and Extension Service (CSREES) hosted a one day workshop on stakeholder priorities in the area of plant and pest biology. Over 20 different stakeholder groups provided comments and

concerns during the workshop. Working in conjunction with the WSSA Research and Competitive Grants Committee, written comments were submitted along with an oral presentation by Dr. David Shaw, who did an excellent job in presenting WSSA's concerns.

The WSSA expressed its deep concern with the direction of the NRI Competitive Grants Program 51.9, The Biology of Weedy and Invasive Species in Agroecosystems. This is a significant source of competitively awarded funding for many weed scientists. This grant program now targets not only weedy and invasive plants, but all other invasive species without an increase in funding this year. There are other NRI grant programs that deal with the biology of arthropods, nematodes, and microorganisms which were not opened up to invasion biology for their representative organisms. The WSSA stated that it would like to see invasion biology for different species placed in their respective NRI Programs.

Two other concerns the WSSA expressed for the current request for application (RFA) for the NRI Program on The Biology of Weedy and Invasive Species in Agroecosystems were: 1) its focus on ecological studies on invasive species at the population level and above with no emphasis on weed biology at the suborganismal level; and 2) the fact that this is the only NRI Grant Program that now requires a letter of intent, thus reducing the flexibility of weed scientists to consider other NRI Grant Programs and limiting the grant preparation period to less than 1.5 months.

The WSSA also provided comments to USDA-CSREES about the need for increased funding for weed science research in the following areas:

- **Weed Biology and Ecology**- Better understanding of weed biology and weed ecology is needed for development of more effective integrated weed management systems which utilize all tools available including cultural, mechanical, biological and chemical control strategies. Weed biology and weed ecology research is also needed to accelerate progress in several areas of weed management such as GPS/GIS based variable rate herbicide applications, herbicide resistant crops (HRC) and knowledge based decision support systems. The value of these management tools depends greatly on better understanding of the mechanisms of weed, crop and cropping system interactions. This includes research in weed genet-

ics and physiology.

- **Invasive Weeds-** Predictive tools are needed to identify species of concern and potential for invasion into sensitive ecosystems. Systems for early detection and rapid response (EDRR) are also needed to combat potentially serious weed invasions caused by human activity, whether accidental or intentional. Development of tools to assess impacts of weeds on ecosystems, including threatened and endangered species, requires basic research on the mechanisms of plant invasion. Economic assessment tools are also needed to quantify the impacts of the problem and to help set management priorities.
- **Knowledge Based and Systems-Approach Based Decision Support Strategies-** With the proliferation of computer technology there are good opportunities to build decision aids that integrate biology and control data, expert knowledge and grower wisdom with social, economic and environmental perspectives. To build these systems, more long-term and large-scale studies are necessary with growers and advisors included in their development. The variable response of crops and weeds according to species, growth stage and environmental conditions also needs further research.

### **National Invasive Weed Awareness Week (NIWAW 7) is February 26- March 3 in Washington, DC**

Details of NIWAW 7 can be found at: [http://www.nawma.org/niwaw/niwaw\\_index.htm](http://www.nawma.org/niwaw/niwaw_index.htm). On the website you can also register for the third and final on-line session that I will present in conjunction with NIWAW 7 titled: "Legislative Visit Preparation: Making Your Visit Count" which is January 23, 2006 at 4 PM (ET). Another on-line session you may be interested in registering for is "Media Relations 101: Growing Community Interest in NIWAW" which is on January 9, 2006 at 4 PM (ET). These interactive information sessions are conducted via Microsoft Live Meeting and sponsored by BASF.

During NIWAW 7, participants plan to advocate for two main policy issues while visiting Washington DC. A top priority issue is attaining funding for the Noxious Weed Control and Eradication Act (NWCEA) signed into law by President George Bush on October 30, 2004. NWCEA authorizes \$15 million to combat invasive weeds, but no funds have been appropriated to date. The other policy priority will be to urge

passage of the National Aquatic Invasive Species Act (NAISA), which aims to improve existing legislation to better prevent introductions of new aquatic invasive weeds. There are several NAISA related bills in the 109th Congress and some parts of these bills may be drafted into a new piece of legislation by the Senate Environment and Public Works Committee.

### **EPA Issues Endangered Species Protection Program Guidance**

The EPA published its "Endangered Species Protection Program Field

Implementation Notice" in the November, 2, 2005 Federal Register. The document can be found at <http://www.epa.gov/fedrgstr/EPA-PEST/2005/November/Day-02/p21838.htm>. It formalizes a lengthy review process between EPA and other federal agencies on how the EPA addresses concerns about endangered species when it reviews pesticide registrations while not placing undue burden on pesticide users. EPA will implement the Endangered Species Protection Program through pesticide label statements that refer users to Endangered Species Protection Bulletins. These bulletins will only be issued when specific pesticide use limitations are necessary to protect federally listed species or their designated critical habitat and will be available via the EPA's Website or via a toll free number, both of which will be identified on the new pesticide label once it's available.

### **WSSA Provides Comments to the Canadian Pest Management Regulatory Agency (PMRA) on Herbicide Use in Rangeland**

The PMRA (Pest Management Regulatory Agency) of Canada has been working with stakeholders to gain input on the practicality of prescribing no-spray buffer zones for protection of native plants in rangeland and aquatic habitats from the effects of herbicide spray drift. The PMRA is concerned that broadleaf herbicides may negatively impact native vegetation without the observance of spray drift buffer zones. I would like to thank John Jachetta from Dow AgroSciences for bringing this issue to the WSSA's attention and would also like to thank the Canadian PMRA for seeking input from the WSSA on this critical land management question.

The question of the applicability of spray-drift buffers to rangeland is especially important to weed scientists and practitioners, as the unique issues that

must be addressed in rangeland are not at all similar to those present in crops. Virtually all weed control applications in a rangeland setting are for invasive weed management. The main objective of rangeland weed management is to prevent conversion of the plant community to an invasive species monoculture and restore the natural balance of the site. If invasive weeds are not controlled in the buffer areas surrounding treatment sites in rangeland, a refugia for the weeds remains enabling them to reestablish in the treated site.

In cropland, the main objective of weed control is to remove plant competition and shift the use of the site's resources into the production of a single species, i.e., the crop. Under this management scheme, the presence of a buffer-zone around the site may be useful in fostering natural diversity and to provide refuge for birds and other species that would not prosper in the adjacent field. However, the application of such buffers to rangeland weed control will likely have the opposite effect. An unsprayed buffer in rangeland is likely to be little more than a refuge for invasive species and a source of seed for reinfestation of the treated area.

The WSSA would again like to thank the PMRA for seeking our input on this important rangeland management question.

### **Pesticide Product Information is Now Available for 90,000 Products in an On-line Searchable Data Base**

The Pesticide Product Database includes the name of the product, the registration number of the product, company number and name, registration date, cancellation date and reason (if canceled) and product manager name and phone number. The Pesticide Product Database is a component of the National Pesticide Information Retrieval System (NPIRS) through the Purdue University Center for Environmental Regulatory Information Services (CERIS) at <http://ppis.ceris.purdue.edu/> - Questions may be directed to the NPIRS staff at 765-494-6561; e-mail: [staff@npirs.ceris.purdue.edu](mailto:staff@npirs.ceris.purdue.edu) ♦

## **Necrology**

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**James L. Williams Jr.** (May 16, 1929 – January 1, 2006)

Dr. James L. Williams Jr., 76, of 2199 Tecumseh Park Lane, WL, died at 9:35 p.m. Sunday, Jan. 1, 2006, at Home Hospital. He had Parkinson's disease for 34 years.

Born May 16, 1929, in Salem, Jim had lived in Tippecanoe County since 1955. He graduated from Brownsville (Ind.) High School, attended DePauw University at Greencastle, Ind. and received his bachelor's, master's and Ph.D. from Purdue University.

He married Alice Ayers on Sept. 20, 1952, at Central Christian Church in Connersville.

Dr. Williams was a professor emeritus at Purdue University, where he was employed for 30 years in the botany and plant pathology department, specializing in herbicide extension and practical research. He was a consultant with the Cocoa Institute, spending short periods in Brazil in 1968 and 1978. Jim was awarded the Junior and Senior Award from the Purdue University Cooperative Extension Specialists Association in 1976 and 1983 respectively.

He was a member of Brownsville Methodist Church, American Legion Post 11, Epsilon Sigma Phi honorary extension fraternity, Alpha Zeta honorary agriculture fraternity and Sigma Nu fraternity. In 1972, Dr. Williams was the president of the North Central Weed Society and in 1977 he was named a NCWSS honorary member.

Dr. Williams was a captain and a pilot in the Air Force during the Korean War, serving from 1951 to 1955. He was in the Air Force Reserves from 1956 to 1961. He enjoyed fishing and woodworking.

Surviving with his wife are two daughters, Jama Williams Fields (husband: James) of Rochester Hills, Mich., and Alison Williams Doolin (husband: Tim) of Rohnert Park, Calif.; a son, J. David Williams (wife: Elaine) of San Diego, Calif.; and a sister, Martha Abert (husband: Karl) of Manhattan Beach, Calif.



# North Central Weed Science Society

## Board and Committee Members 2006

### I. NCWSS Board of Directors

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Robert Schmidt	Exec. Secretary (ex of.)	217-352-4212	raschwssa@aol.com
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### II. NCWSS Interest Group Committees

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Kip Sander	Past Chair	651-451-5557	kwsander@agriliance.com

## Research and Publications

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Harlene Hatterman-Valenti	Newsletter Editor	701-231-8536	h.hatterman.valenti@ndsu.edu
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Dave Nicholai	2 <sup>nd</sup> Vice Chair	651-451-4848	danicolai@agriliance.com
Tom Threewitt	Past Chair	620-295-6606	threetom@gbta.net

## Contest Rules Subcommittee of Res. Ed.

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## Summer Contest Subcommittee of Res. Ed.

TBD based on location of contest in 06

Anita Dille	Chair 05 contest	785-532-7240	dieleman@ksu.edu
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Christopher Schuster	Grad Student Chair	785-532-6104	cls@ksu.edu
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Alex Martin	Summer contest	402-472-1527	amartin2@unl.edu

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## III. NCWSS Standing Committees

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### Distinguished Achievement Award

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Richard Zollinger	2007	701-237-8157	rzolling@ndsu.edu
Troy Klingman	2007	217-687-4806	klingatd@basf.com
Mark Wrucke	2008	651-463-3365	mark.wrucke@bayercropsci.com
Charles Slack	2008	859-259-1914	cslack@uky.edu

### Electronic Communications Committee

Glenn Nice	Chair	765-496-2121	gnice@purdue.edu
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Joe Bruce	Past Chair	217-863-5323	joe.bruce@syngenta.com
Kevin Adam	2006	309-726-1876	kevin.adam@bayercropscience.com
Eric Spandl	2006	651-451-5836	espan@cenexlol.com
Vince Davis	2007	765-496-6690	davisv@purdue.edu
Andrew Kniss	2008	307-766-3949	akniss@uwyo.edu

### Fellow Committee

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Dennis Belcher	Past Chair	573-814-3331	belched@basf.com
Dain Bruns	2007	614-767-0236	dain.bruns@syngenta.com
Leon Wrage	2007	605-688-4591	wragel@ur.sdstate.edu
Mark Wrucke	2008	651-463-3365	mark.wrucke@bayercropscience.com

## Finance Steering and Policy Committee

J.D. Green	Chair	859-257-4898	jdgreen@uky.edu
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Bob Masters	2006	402-488-1157	ramasters@dow.com
Mark Wood	2007	316-755-7760	mark.l.wood@monsanto.com
Harlene Hatterman-Valenti	2007	701-231-8536	h.hatterman.valenti@ndsu.edu
Christy Sprague	2008	517-353-0271	sprague1@msu.edu
Craig Alford	2008		craig.alford@usa.dupont.com
Robert Schmidt	Ex Of.	217-352-4212	raschwssa@aol.com
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## Future Site Selection Committee

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Tom Peters	Past President	636-737-7679	tom.j.peters@monsanto.com
Dawn Nordby	Member at large	217-244-7497	dnordby@uiuc.edu
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## Legislation Regulatory & Public Policy Committee

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Michael Horak	2007	314-694-3476	michael.j.horak@monsanto.com
Kevin Thorsness	2007	701-293-0653	kevin.thorsness@bayercropscience.com
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## Local Arrangements: 2006-Hyatt Hotel, Milwaukee, WI

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John Frihauf	2007	785-625-3425	jfrihauf@ksu.edu
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## IV. Special Committee

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### Long Range Planning and Organizational Affairs

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Helen Flanigan	2008	317-862-0578	helen.a.flanigan@usa.dupont.com

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## V. Section Program Chairs

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### General Program

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### Poster Session

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