

# NCWSS • News

North Central Weed Science Society

Vol 26, Number 1, Spring 2009

[www.ncwss.org](http://www.ncwss.org)

▶ 2009 President - Mick Holm.....	1
▶ New Vice President .....	2
▶ Past President - Bill Johnson .....	3
▶ Introducing Your NCWSS Board.....	4
▶ Distinguished Achievement Awards.....	6
▶ Student Awards Contest - Paper Presentations.....	11
▶ Student Awards Contest - Poster Presentations.....	12
▶ NCWSS Resolutions and Necrology Committee Report.....	13
▶ 2009 Weed Science Contest.....	14
▶ 2009 Washington Update .....	14
▶ People and Places .....	15
▶ Position Announcements .....	15
▶ Call for Papers - ASTM International Symposium on Pesticide Formulations and Delivery Systems .....	22
▶ New Publications Available .....	23



**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)**



**2009 NCWSS  
President—Mick  
Holm**

## 2009 President – Mick Holm

I've been told that being Program Chair takes the most time and effort, and that the President can sit in the rocking chair and try not to get stuck by the Jimsonweed pod. Well I'm looking forward to the privilege of serving as the NCWSS President and I don't intend to get anywhere near the seed pod.

### *Reflections on the 2008 Indy meeting*

- It's good news that our annual meeting attendance has stabilized. However, we need to keep looking at ways to increase attendance and overall membership.
- Partnering with the Midwest Invasive Plant Network helped make the meeting a success. I believe we should try to partner with groups like MIPN as often as possible.
- I'm glad that we didn't lose any members when MC Larry Hageman blew the air horn during the Awards Luncheon. Feedback around having the Awards Luncheon at noon was favorable and thank you Larry for your efforts.
- It's always a challenge to schedule the Symposia and Paper Sessions to accommodate all the attendees. Paper sessions competing with popular symposia, and attendance at Thursday morning sessions are part of the challenge and we will work to improve in these areas. Chris Boerboom already has some great program ideas for the 2009 meeting in Kansas City.
- Tom Stohlgren added energy to the General Session and was an excellent speaker with a powerful message. He will be a hard act to follow.
- Sending paper presentations in advance to Section Chairs I believe has been a positive change. However, we need to address the issue of electronic files that are too large and also the issue of sending talks to Chairs from a competitive company.
- The Industry committee really came through, raising \$12,000 to sponsor the Industry mixer and over \$14,000 for the summer weed contest.
- Bill Johnson and Melissa Krueger, along with the rest of the committee, did a great job with local arrangements.

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The Board of Directors was hard at work during the Indy meeting. All their efforts resulted in a number of exciting and positive changes for the Society. I'll try to detail most of them here;

- 1) The election of the North Central Weed Science Society Officers will now be done by the entire membership. You will receive a ballot 2 months prior to our annual meeting.
- 2) The Long Range Planning and Organizational Affairs Committee has been combined with the Membership committee. It is now an Interest Group committee and will have representation on the Board. State Directors have been moved from the Board of Directors to this newly combined committee. The committee will have 4 seats on the Board; the chairman along with 3 state directors. There are many benefits from these changes, among them a smaller more efficient Board.  
  
Bryan Young is the Chair of the new committee and they have been challenged with some important tasks vital to the future of our Society.
- 3) An Invasive Weeds Standing Committee has been established. Mark Renz has been appointed Chair and this new committee will take the lead around Invasive Plant issues and help coordinate future interactions with groups such as MIPN.
- 4) The Legislation, Regulatory, and Public Policy Committee has been dissolved. These activities have normally been conducted at the national level and Michael Hora has been appointed our first ever NCWSS rep to the WSSA Science Policy Committee.
- 5) The Publicity and Public Relations Committee has been dissolved. The responsibilities of this committee will be added to the Local Arrangements Committee's responsibilities.

- 6) Lastly, the WSSA Public Awareness committee has been very active and our Vice President will serve as the NCWSS representative on this WSSA committee. This is an important role for our new VP, Mark Wrucke.

As you can see, a lot of positive changes. Many members contributed towards making these changes a reality, but I would like to give special thanks to Bill Johnson, Chris Boerboom, Mike Owen and Bryan Young. This is also a good time to thank Bill for his Presidential leadership during last year. Many of the above changes occurred because of his leadership, dedication and desire to keep the NCWSS strong and viable into the future. Bill, now as the Past President, has agreed to lead the efforts to find a replacement for our Executive Secretary, Bob Schmidt. Bob has announced that he intends to retire after the meeting in Kansas City this December. Bob has been our Executive Secretary for the last 32 years and will be greatly missed. Bill, Reid Smeda and Kevin Bradley are currently working on determining the best way to replace Bob. Please don't hesitate to provide input to these guys as they work through this process.

Committees and Section Chairs for 2009 are posted on the NCWSS website. Please review the assignments and let me know if you find any mistakes around phone numbers or email addresses. I would like to thank in advance everybody who is on a committee. These activities are crucial to our Society and input from the members is both encouraged and necessary. The future strength of our Society and Annual meeting is dependent on the willingness of our members to be involved.

Here in Wisconsin, the days are starting to get a bit longer, the sun is starting to actually have a little warmth and this can only mean that spring is just around the corner. ◇

## ***New Vice President***

Mark Wrucke was elected as the new NCWSS Vice President at the 2008 annual meeting. Mark grew up near Mankato, Minnesota on the family farm and obtained his B.S., M.S. and Ph.D. from South Dakota State University. His degrees were in Agronomy with an emphasis in weed science. Mark held several field development and tech service positions with Rhone-Poulenc Ag Company from 1986 – 1999 in the upper Midwest. He was Regional Tech Service manager for the Midwest states for Aventis from 2000 – 2002. He is currently a regional Development & Market Support manager for the North Central States with Bayer CropScience. Mark has been an active member of the NCWSS for over 20 years and looks forward to serving the Society in the presidential rotation.

# 63<sup>rd</sup> Annual Meeting of the North Central Weed Science Society - Bill Johnson (Past President)



**Past President—  
Bill Johnson**

It has been an honor and privilege to serve the North Central Weed Science Society as your president this past year. Despite the struggling economy, our society continues to function and appears to be in a slight growth mode in the midst of profound changes in industry, government and academia. Our recent annual meeting in Indianapolis was a

Our society's main function is to educate the public and ourselves about weed science. One of the most important things we do for our students is host paper and poster contests and the summer weed science contest. I was very impressed with the quality of our student papers and posters at this year's meeting and would hope that our students will continue to hone their communication skills so they can become the future educators of our discipline.

Our summer weed contest is also a critical society function and after several years of declining participation in the summer weed contest, I was thrilled to see that the number of individuals that participated this past summer had more than doubled from the previous year. Hopefully the trend of increased participation will continue and I am excited about the joint contest we will be having with the Northeast Weed Science Society in 2009 at ABG Ag Research in central Indiana. The NCWSS Board of Directors was busy this year in spirited discussions related to society function. The board voted on changes to our operating procedure at the December board meeting. The most significant changes include the following: 1) the entire society will be able to vote for NCWSS board positions and 2) the board has been reorganized and the state directors will now serve on the long-range planning and organizational committee. The second item reduces the size of our board and provides an opportunity for state directors to function in a more active role in planning the future of our society. President Mick Holm will discuss these changes in more detail in his article in this newsletter.

I want to thank the continued participation and support of the crop protection industry, particularly those that are recognized as Sustaining Members. For those that don't know, Sustaining Members pay membership dues that are commensurate with their annual sales. The financial and moral support of the Sustaining Members is critical to the overall health of NCWSS.

I also want to acknowledge all those who have

success and I would like to again thank Mick Holm for his leadership in developing the program and Bob Schmidt and my local arrangements committee for their hard work in handling the nuts and bolts of running the meeting. I would also like to thank all of the individuals who organized symposia (Christy Sprague, Karen Renner, Kevin Bradley), or worked with NCWSS on the MIPN meeting (Kate Howe), those who served as section leaders for the paper sections, and ALL of the paper and poster presenters for their efforts in preparing and putting together the content of the meeting. Our meeting is a success only if we present high quality information and we can certainly say we put the effort in to do this!

Annual meeting attendance has stabilized and grown slightly over the last 5 years. In 2008, approximately 350 NCWSS members attended the meeting, plus we had almost 150 additional individuals attend the joint meeting we held with the Midwest Invasive Plant Network. Over the last 4 years, the joint meetings NWSS has held in conjunction with gene flow or invasive plant meetings have added between 45 and 150 people to our annual meeting attendance. It is my hope that we can continue to collaborate with plant scientists from these organizations or interest groups to build upon our expertise and educate the public about a broader array of weed science issues.

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served on committees and contributed their time and effort to NCWSS. The society is here to serve its members, and would not function without the volunteer services of its members. It's also important to remember that every member's opinion is important. I would encourage everyone to provide input to the board members on how the NCWSS can be improved in the future.

One other significant change will occur over the next year. Bob Schmidt, who has served many years as the Executive Secretary of our society will retire after the Kansas City meeting in 2009. Mick Holm has asked me to guide NCWSS through the process of replacing the services Bob has provided. During this process, we will be assessing the

current and future needs of our Society. This self assessment process this will offer an opportunity for creative thinking and to develop a wish list of things we would like to achieve as a society with this position. My goal as Past President is to help in the brainstorming and decision making process on the future responsibilities of this position. In closing, I would like to thank my fellow officers for the spirited discussion, for timely feedback on NCWSS matters, and for the time they commit to NCWSS. I am confident that with new leadership chain of Mick Holm, Chris Boerboom, and Mark Wrucke and dedicated Board and committee members in our Society, we have proven leaders who will serve us well. ♦

## NCWSS NEW BOARD MEMBERS

**Mark Wrucke – Vice President**

**Lowell Sandell - Extension**

**Justin Petrosino – Graduate Student**

**Kevin Bradley – WSSA Representative**

**Long Range Planning**

**Bryan Young - Chair**

**Dain Bruns - Eastern**

**Reid Smeda - Central**

**Terry Carmody – Western**

## NCWSS BOARD MEMBERS



**Top Left to Right:**

**Harlene Hatterman-Valenti,  
Electronic Communications Editor  
Mark Wrucke - Vice President  
Chris Boerboom, President Elect  
Bill Johnson, Past President**

**Bottom Left to Right:**

**Kevin Bradley - WSSA  
Representative  
Christy Sprague - Secretary /  
Treasurer  
Karen Renner - CAST  
Representative  
Mick Holm - President**

**Missing:**

**Robert Hartzler - Proceedings  
Editor  
Lee. Van Wychen - Director of  
Science Policy  
Bob Schmidt - Executive Secretary**





**NCWSS**



## ***NCWSS Annual Meeting - 2008, Indianapolis***



## Distinguished Achievement Awards

### Research - Dr. Frank Forcella

Dr. Forcella received a B.A. in Biology from Northeastern University, Boston, in 1972, followed by a M.S. in Botany from Montana State University in 1977, and a Ph.D. in Botany from the University of Oklahoma, Norman, in 1979. Dr. Forcella's early career path included positions with Yarmouk University (Jordan), the Montana Department of Agriculture,

Dr. Forcella has a national and international reputation for excellence in research. He is recognized for creative and scholarly work that addresses important questions and knowledge gaps in weed science, the results of which have greatly increased our understanding of weed biology and ecology. At the same time, Dr. Forcella has strived to use the results of his research to improve strategies and tactics for weed management, and extend practical information to farmers. As such, Dr. Forcella's research expertise encompasses weed biology, ecology, and management. His current research focuses on predictive weed phenological models for improved management, with emphasis on optimized timing of chemical and mechanical weed management tactics based upon predicted weed and crop emergence and growth. His work also includes conceptualization and testing of novel weed management tactics.

Dr. Forcella's numerous published journal articles (57 over the last 10 years), invited reviews, and invited presentations encompass many important contributions to science, most notably in the areas of weed seedbank dynamics and modeling. Awards for outstanding papers in both *Weed Science* and *Weed Technology* are indicators of the significance and impact of Frank's research. The inclusion of his work in several weed science textbooks indicates that his research is making important contributions to the education and training of future weed scientists and agriculturalists. The impact of his work has extended far beyond

weed science via other avenues as well. One notable example of this is the invited paper he co-authored on the impact of genetically-modified crops on weeds and farmland biodiversity published in the journal *Science*. Further, his personal interaction with many students, post docs, visiting scientists, and colleagues has widely influenced research both here and abroad.

Frank has been an active member of the NCWSS for more than 20 years. He has presented or co-authored numerous research papers and posters, and has organized symposia and workshops. The NCWSS annual meeting was the first weed meeting Frank ever attended, and it remains his favorite annual meeting.

### Young Scientist Award - Dr. Anita Dille

Anita Dille received her B.S. (Agr.) degree with a major in Crop Science and a minor in International Agriculture and her M.S. degree in Crop Science both from the University of Guelph in Ontario, and her Ph.D. degree in Agronomy from the University of Nebraska at Lincoln. Dr. Anita Dille began as an Assistant Professor in the Department of Agronomy at Kansas State University in 1999 with responsibilities in research and teaching in Weed Ecology. She was promoted to Associate Professor in July 2005.

Dr. Dille has a 50% teaching appointment and has taught the undergraduate Weed Science course 13 times, developed and co-taught the Integrated Weed Management course for junior and senior Agronomy students



**Research Award  
Dr. Forcella**

CSIRO-Australia, and the University of California-Davis. Since 1989, he has been a research agronomist with the USDA-ARS at Morris, Minnesota. He served as Acting Research Leader at Morris in 2001-02 and Acting National Program Leader in Weed Science in 2001. Frank currently holds a 100% research appointment (GS-15) at Morris.



## ***NCWSS Annual Meeting 2009***

five times as well as made it available in a Distance format three times, and provides an Advanced Weed Ecology course for graduate students. Dr. Dille initiated the Agronomy Learning Farm in 2002 as an experiential hands-on learning resource for students across the Agronomy curriculum at Kansas State University, initiated with support from a USDA-Higher Education Challenge Grant.

Dr. Dille has a 50% research appointment with projects involving development of practical site-specific weed management approaches for

PhD students currently in her program.

Dr. Dille was recognized in 2003 with the AEarly Career Award of Merit by the K-State chapter of Gamma Sigma Delta and as the AOutstanding Junior Scientist by the K-State chapter of Sigma Xi. She was named College of Agriculture AFaculty of the Semester in fall 2005 and in 2008, awarded the Gamma Sigma Delta AOutstanding Advising Award.

Dr. Dille has participated in the Western Society of Weed Science as chair of the Teaching and Technology Transfer section as well as a symposium speaker. She has actively participated on the WSSA board representing the NCWSS as well as chair the Weed Biology and Ecology section. Dr. Dille has been an active member of the NCWSS since 1995 when she first participated as a graduate student. She has chaired numerous sections, coordinated and participated in symposia presentations, judged graduate paper and poster presentations, and more recently served as the WSSA representative to the NCWSS board from 2005 to 2008. K-State was proud to host the 2005 NCWSS Collegiate Weed contest and Dr. Dille has since served as the Chair of both the Summer Contest sub-committee and the Contest Rules sub-committee for the NCWSS.

### **Professional Staff - Damian Frazenburg**

Damian Franzenburg is a native Iowan and earned his BS and MS degrees in Agronomy, and Crop Production and Physiology from Iowa State University. He has been employed at Iowa State

University for 15 years and is a long time member of the North Central Weed Science Society. Damian has made numerous oral and poster presentations at the NCWSS meetings and has co-authored many others. He has co-authored annual research reports submitted for many years to the NCWSS. He co-authors reports to industry collaborators and university research farms. Damian has published in Weed Technology. He has served numerous times as a Judge for the Graduate Student Poster and Paper Contests. In 2002, Damian completed service as the Iowa representative on the NCWSS

Board of Directors. While an undergraduate and graduate student, Damian was recognized for early achievement and received several awards from the NCWSS and Weed Science Society of America.

Damian has served Iowa State University, the Agronomy Department, and the weed science group effectively and efficiently in



***Young Scientist Award  
Dr. Anita Dille***

producers in Kansas, understanding the competitiveness of common sunflower, shattercane, and Palmer amaranth on Kansas crops, and determining how to integrate cover crops for weed, water, and nitrogen management in no-tillage production systems. Dr. Dille has trained five MS and three PhD students in Weed Ecology, with one MS and two



***Professional Staff Award  
Damian Frazenburg***

## ***NCWSS Annual Meeting 2009***

many capacities. He plays a key role in the very successful and respected herbicide demonstration and evaluation program conducted under weed science extension. The information Damian generates from this program is used by extension specialists in their weed management recommendations for Iowa growers. His efforts have resulted in the excellent reputation Iowa State weed science has among peer universities and industry, reflecting highly upon the Agronomy Department, Iowa State University, and the state of Iowa. Damian is a team player and interacts with faculty, staff, graduate and undergraduate students, departmentally and interdepartmentally, and is highly regarded by all. Damian has served as a mentor to many student interns and weed science graduate students. He was an integral part of a long term multidisciplinary research project supported by the Iowa Soybean Promotion Board validating interactions between pest complexes and soil characteristics on soybean. Further, as a co-principal investigator, Damian received a four year research grant from the Leopold Center for Sustainable Agriculture to study the effect of tillage on woolly cupgrass population.

Damian participates in numerous departmental and university activities, committees and professional development opportunities. In 2002, the Iowa Board of Regents recognized Damian by awarding him the Regents Award for Staff Excellence for his many contributions to his profession, university and community. Further, Damian was recognized

for his sustained and superior service to the Agronomy Department and was awarded the Agronomy Excellence Award in 2007.

### **Professional Staff Award - Joe Matthews**

Joe Matthews is a native of central Illinois where he earned an Associate of Applied Science degree in horticulture. After several years working in the landscaping industry he moved to southern Illinois where he obtained his B. S. and M. S. in Agriculture Education from



**Professional Staff Award  
Joe Matthews**

Southern Illinois University. While a graduate student he was charged with developing new hands-on curriculum for the computer courses taught within College of Agriculture. In 1989 Joe was recruited to the weed science program by Dr. George Kapusta and has held a researcher position ever since.

Joe has authored or co-authored 18 journal articles, 145 NCWSS

research reports, and annually compiles the research summaries for the SIU weed science field program. Joe's interest in the education process has driven him to mentor graduate students by assisting them in designing, analyzing and communicating their research, especially for the NCWSS and WSSA meetings.

Joe's service to the NCWSS includes traditional roles such as the Poster Session Vice-Chair and Chair rotation in 1996 and 1997 as well as providing early assistance in moving the NCWSS to using



**Fellow  
Dr. Jeff Gunsolus**

### **Fellows**

#### **Dr. Jeff Gunsolus**

Jeff Gunsolus, professor and extension weed scientist in the Department of Agronomy and Plant Genetics at the University of Minnesota, has dedicated his career to connecting extension and research to solve weed management problems for agricultural producers and



agricultural professionals. A native of Wisconsin, Dr. Gunsolus received a bachelor's degree in Animal Ecology at Iowa State University, a master's degree in Agronomy from Iowa State University, and a doctorate degree in Crop Science from North Carolina State University. He joined the faculty of the University of Minnesota in 1986 as a Weed Scientist, with responsibilities in applied research and extension in weed management systems. He is a nationally recognized leader in the development of economic benefit and risk management systems for weed management in corn and soybeans. Agricultural professionals and growers throughout the North Central Region utilize his research and extension materials to develop cost effective weed management programs.

Dr. Gunsolus is an active member of the North Central Weed Science Society, Phi Kappa Phi and the Weed Science Society of America. He has made significant contributions to the North Central Weed Science Society by providing leadership for several committees, presenting numerous papers, and organizing and participating in key symposia. Dr. Gunsolus has served on several regional and national committees, including the National Research Council Board on Agriculture Committee on The Future Role of Pesticides in U. S. Agriculture and has published more than 100 extension and peer-reviewed publications.

Dr. Gunsolus has received several state and national awards, including the NCWSS Distinguished Achievement Award in Education and the

WSSA Outstanding Paper Award in Weed Science.

### **Dr. Tom Peters**

Dr. Tom Peters has a long history of accomplishments and contributions to the North Central Weed Science Society, and to the weed science and agricultural community. He received a B.S. in Agronomy and Soil Science from the University of Minnesota, a M.S. in Agronomy from the University of Nebraska and his Ph.D. from North Dakota State University in Agronomy (Weed Science).



**Fellow  
Dr. Tom Peters**

Dr. Peters joined the NCWSS in 1986 as a graduate student and has been an active and involved member since then. As a graduate student, he participated in the Summer Contest and has participated as a volunteer at more than 15 subsequent contests. He has served on many NCWSS committees and held many positions of responsibilities. Tom has been Chair of the Local Arrangements Committee for the

1996 and 2002 St. Louis Meetings and was a member of the Local Arrangements Committee for the 2006 St. Louis Meeting. He chaired the Industry Committee in 1995. Tom was responsible for initiating and coordinating the 1<sup>st</sup> biotechnology symposium at the NCWSS in 1996 as well as coordinating a follow-up symposium in 2004. Tom also has an extensive role in leadership in the NCWSS serving in several roles. He was a State Director for Missouri in 2002 -2003, and the CAST representative for the NCWSS from 1999-2001. While on CAST he also chaired CAST subgroups in 2000 and 2001. From 2003 through 2006, Tom was on the Executive Committee serving as vice president, president elect, president and past president. While in these leadership roles Tom helped develop a strategic plan to strengthen the society by stabilizing membership, engaging new members and improving the society. He helped diversify the NCWSS meeting program to include new symposia and relationships with other organizations. As a result of these efforts, the NCWSS now co-sponsors meetings with the Midwest Invasive Species Network and with the Gene Flow Meeting.

In addition to his service to the society, Dr. Peters has also been influential in Weed Science as a discipline and in his position in Industry. After graduate school Tom joined Monsanto where he has held many roles. His positions have included, Product Development Representative, Manager with Product Development, Team Lead Monsanto Research Farms, Farm Optimization Team Lead, Team Lead Corn Trait Development and

Team Lead Biotech Farms. Throughout his career Tom has provided extensive leadership within the company, assuming new roles and increasing responsibility. Many of these roles were involved with the testing of new chemical and biotechnology products directly related to weed management and improving weed management systems.

### Dr. Kassim Al-Khatib

Dr. Kassim Al-Khatib, a native of Iraq received B.S. and M.S. degrees from the University of Baghdad, then worked as a Technical Development Manager for Intrachem SA in Geneva, Switzerland. Dr. Al-Khatib received his Ph.D. in plant physiology from Kansas State University. Kassim was an Assistant Agronomist and Extension Weed Specialist at Washington State University, focusing on herbicide drift issues and weed control in fruit and vegetable crops. Since 1996, Dr. Al-Khatib has been a weed physiologist at Kansas State University.

Dr. Al-Khatib has a multi-faceted research program in various aspects of herbicide-plant interactions. Research consists of both field and basic research with the ultimate objective being to help answer producer problems and encourage more efficient and environmentally sound weed management practices. Notable research accomplishments by Dr. Al-Khatib include the identification, transformation, and release of sorghum germplasm resistant to ALS- and lipid synthesis-inhibiting herbicides; evaluation and project management of an experimental

herbicide owned by Kansas State University; confirmations of waterhemp resistance to PPO-inhibitor herbicides and common sunflower resistance to ALS-inhibitor herbicides; identification of the source of herbicide resistance incorporated into Clearfield sunflowers; gene flow among related crop and weed species; and effects of herbicide drift onto non-target crops. These efforts have resulted in authorship on 90 refereed journal articles, 3 book chapters, 190 abstracts and meeting proceedings, and two patents during his career. Dr. Al-Khatib



**Fellow**  
**Dr. Kassim Al-Khatib**

has received the Distinguished Achievement Award for Research from the North Central Weed Science Society, the Gamma Sigma Delta Outstanding Research Award, the Outstanding Weed Scientist from the Public Sector Award from the Western Society of Weed Science, and is a Fellow of the American Society of Agronomy.

Kassim is involved in graduate student education and

development and teaches graduate level courses on herbicide interactions, pesticide resistance and integrated weed management. Several of his graduate students have received awards for outstanding posters and papers from the North Central Weed Science Society and the Western Society of Weed Science. Dr. Al-Khatib has served as Chair of the Resident Education Committee for the North Central Weed Science Society, and as chair for the student paper and poster contests of both the North Central Weed Science Society and the Western Society of Weed Science.

Dr. Al-Khatib has provided dedicated service to the weed science discipline, Kansas State University and the scientific community and is highly respected within the scientific community. Kassim has served on the Board of Directors for the North Central Weed Science Society, Western Society of Weed Science, and the Council for Agricultural Science and Technology (CAST). Dr. Al-Khatib served as the representative from NCWSS to CAST, and subsequently was elected as CAST President. He also served in the Presidential sequence for the Western Society of Weed Science. ♦

**The NCWSS  
Newsletter is  
Edited by Harlene  
Hatterman-Valenti  
and Arranged by  
Glenn Nice**

## **Student Awards Contest - Paper Presentations**



**Back Row Left to Right**

**A.J. Woodyard,  
Todd A. Gaines,  
Jared J. Schmidt,  
Jon-Joseph Q.  
Armstrong,  
Dan K. Tiedemann**

**Front Row Left to  
Right -**

**Stephanie L.  
Rousonelos,  
Kelly A. Barnett,  
Valerie Mock,  
John C. Frihauf**

**Group I Weed Biology,  
Ecology and Management,**

**Second Place -** *Effect of Winter Annual Weed Management on Soybean Cyst Nematode Population and Weed Density.*

**Valerie A. Mock**, J. Earl Creech and William G. Johnson, Purdue University, West Lafayette, IN; University of Nevada Cooperative Extension, Fallon.

**First Place -** *Relative Fitness of Shattercane, Sorghum and Their Hybrids.* **Jared J. Schmidt**, Lilyrani Sahoo, John L. Lindquist and Donald J. Lee, University of Nebraska, Lincoln; Jeffery F. Pederson, USDA-ARS Lincoln, NE.

**Group II Agronomic Crops I**

**Second Place -** *Winter Wheat Response and Weed Control Efficacy of Saflufenacil Applied with Growth Regulator Herbicides.* **John C. Frihauf**, Phillip W. Stahlman and Patrick Geier, Kansas State University, Manhattan and Hayes.

**First Place -** *Weed Control in Wide- and Narrow-row Glyphosate-resistant Sugar Beet.* **Jon-Joseph Q. Armstrong** and Christy L. Sprague, Department of Crop and Soil Sciences, Michigan State University, East Lansing, MI.

**Group III, Agronomic Crops II**

**Second Place -** *Contribution of Theincarbazone-Methyl for Grass Weed Management in Corn.*

**Dan K. Tiedemann**, Bryan G. Young, Ronald F. Krausz, and Joseph L. Matthews Southern Illinois University, Carbondale.

**First Place -** *A Survey of Winter Annual Weeds and Early-Season Pests in Michigan No-till Soybean.* **Kelly A. Barnett**, Christy L. Sprague, Christina D. DiFonzo, Fred W. Warner. Department of Crop and Soil Sciences, Michigan State University, East Lansing, MI

**Group IV Herbicide  
Physiology**

**Second Place Tie -** *Molecular Genetics of Glyphosate Resistance in Palmer Amaranth (*Amaranthus**

*palmeri).* **Todd A. Gaines**, Philip Westra, Jan E. Leach, Sarah M. Ward, Bekir Bukun, Stephen T. Chisholm, Colorado State Univ., Fort Collins; Dale L. Shaner, USDA -ARS, Fort Collins; Christopher Preston, Univ. of Adelaide, Australia; A. Stanley Culpepper and Timothy L. Gray, Univ. of Georgia, Tifton; Ted M. Webster, USDA-ARS, Tifton; William K. Vencill, Univ. of Georgia, Athens; and Patrick J. Tranel, Univ. of Illinois, Urbana.

**Second Place Tie -** *Investigation of the Molecular Basis of Resistance to PPO-Inhibiting Herbicides in Common Ragweed.* **Stephanie L. Rousonelos**, Ryan M. Lee, Mark J. VanGessel and Patrick Tranel, University of Illinois, Champaign-Urbana, University of Delaware, Newark.

**First Place -** *Interactions Between Mesotrione and Atrazine in a Velvetleaf Biotype with Metabolism-based Atrazine Resistance.* **A.J. Woodyard**, Josie Hugie and Dean E. Riechers, University of Illinois, Urbana.



## Student Awards Contest - Poster



**Back Row Left to Right**

**Andrew Robinson**  
**Greg Kruger**  
**Jon-Joseph Q. Armstrong**  
**A.J. Woodyard**  
**Justin S. Petrosino**

**Front Row Left to Right -**

**Venkata Rao Mannam**  
**Tracy G. Mellendorf**  
**Calvin Glaspe**

**Group 1 Agronomic Crops I and II.**

**Second Place** - *Does the Addition of Triflurosulfuron to Glyphosate Enhance Control of Velvetleaf and Common Lambsquarters?* **Jon-Joseph Q. Armstrong** and Christy L. Sprague, Department of Crop and Soil Sciences, Michigan State University, East Lansing, MI.

**First Place** - *Management in Corn Utilizing Synergistic Herbicide Combinations.* **A.J. Woodyard**, Douglas J Maxwell, Dean E Riechers. Department of Crop Sciences, University of Illinois, Urbana, IL. Broadleaf Weed

**Group 2. Extension and Herbicide Physiology**

**Second Place** - *Interaction of Glyphosate and Saflufenacil on Glyphosate-Susceptible and Glyphosate-Resistant Horseweed (*Conyza canadensis*) Populations.* **Tracy G. Mellendorf**, Bryan G. Young, and Joseph L. Matthews. Southern Illinois University, Carbondale, IL.

**First Place** - *Horseweed (*Conyza canadensis*) Populations with Different ALS Mutations.* **Greg R. Kruger**, Vince M. Davis, Patrick J. Tranel, Stephen C. Weller,

and William G. Johnson. Purdue University, West Lafayette, IN, University of Illinois, Urbana, IL. Characterization of Three

**Group 3. Agronomic Crops III and Horticulture and Ornamentals**

**Second Place** - *Tolerance of Potato Mini-tubers to PRE and POST Herbicide Applications.* **Calvin Glaspe**, Wesley Everman, Chris Long, Andrew Chomas. Department of Crop and Soil Science, Michigan State University, East Lansing, MI.

**First Place** - *Effect of 2,4-D drift on Roundup Ready soybean yield components.* **Andrew P. Robinson** and William G. Johnson. Department of Botany and Plant Pathology, Purdue University, West Lafayette, IN. )

**Group 4 Weed Biology, Ecology and Management and Invasive Weeds, Forage and Rangeland Weeds.**

**Second Place** - *Removal timing of winter annual weeds and its effect on soil water availability and corn and soybean yield.* **Venkata Rao Mannam**, Mark L. Bernards, and John L. Lindquist. Department of Agronomy and Horticulture, University of Nebraska-Lincoln, NE.

**First Place** - *Palmer amaranth (*Amaranthus palmeri*) and downy brome (*Bromus tectorum*) emergence and growth impacted by forage soybean cover crop.* **Justin S. Petrosino, J.**, Anita Dille, Kraig Roozeboom, Department of Agronomy, Kansas State University, Manhattan, KS. Mark Claassen, Harvey County Experiment Field, Kansas State University, Hesston, KS.



**Molly M Buckham**

**Recipient of the Hyatt NCWSS Annual Meeting Scholarship**

**NCWSS Resolutions for 2008**  
**Resolutions and Necrology Committee**  
**Patrick Geier, Chair**

- 1. RESOLUTION ON:** The Hotel Meeting Facility for the 63nd 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 of Indianapolis, IN provided an excellent and spacious meeting environment; and

**WHEREAS** the staff and management of the Hyatt Regency of Indianapolis, IN 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 Indianapolis, IN, December 8-11, 2008 for the 63nd Annual Meeting commends the Hyatt Regency 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 63nd 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** Chair Bill Johnson 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 Indianapolis, IN, December 8-11, 2008 for the 6nd Annual Meeting commends Bill Johnson and the Local Arrangements Committee for their outstanding efforts in providing the Society with the excellent meeting facilities and arrangements.

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**Paul Joe Ogg** died on Tuesday, November 25, 2008 at Longmont United Hospital following an extended illness.

He was born on August 9, 1945, to George Harper Ogg and Lena (Salzman) Ogg in Worland, Wyoming. Paul and his four brothers grew up working on the family farm, outside of Worland. He graduated from high school, where he was active in the Future Farmers of America, participating in judging contests for both steers and hogs. He was also on the wrestling team, going to the state meet all four years and winning individual titles, both his junior and senior years.

Paul attended the University of Wyoming, graduating with a BS in 1968 in Agronomy and a Master's in 1970, in Weed Science.

Paul went to work for American Cyanamid immediately following college and worked in the research area for the company for 33 years, continuing as a consultant at the time of his death. He received numerous awards and recognition in his field, serving on numerous boards for various organization including, Western Society of Weed Science, serving as President and being named

outstanding Weed Scientist for the same organization. He was a Fellow for Western Society and North Central Weed Science Society and served on the Board of National Society of Weed Science.

Paul loved to travel and see the country. Paul and Yvonne recently drove to the east coast to see the fall colors, completing a dream of visiting all 50 states by traveling the last six on that trip. In addition, he also traveled to over a dozen countries overseas. He is survived by his wife, Yvonne Lea Ogg of Longmont, Colorado; a son, Gerald Harper Ogg, Gerald's wife, Cari Ogg, and their daughter, Cailin Ann Ogg of Castle Rock, Colorado; a step-daughter, Debra Schoen, Debra's husband Kim Schoen, and their daughters, Alyssa and Chelsee Schoen, and son, Taylor Schoen of Brighton, Colorado; a step-son, Bob McLaughlin and Bob's wife Kristi McLaughlin of Monterey, California; brothers, Kenneth Ogg and his wife Shirley of Worland, Wyoming, Reverend Thomas Ogg and Max Ogg and his wife Mary of Sheridan, Wyoming, and Bill Ogg and his wife Patti of Great Falls, Montana. Preceding him in death was his first wife, Cynthia Ann Ogg, in 1989.



# Announcing the Location For the 2009 Weed Science Contest

ABG AG Services will be hosting the NCWSS summer weed contest. The contest will be held July 23, 2009. We are located north of Indianapolis, near Sheridan, IN. The contest will also include universities from the North East Weed Science Society. Registration packets will be posted on the NCWSS website and sent to universities soon. If you have questions please contact Fritz Koppatschek at 317 415-0553 or Jay Dewesse at 812 890-4086.



## WASHINGTON UPDATE

By Lee Van Wychen  
January 2009



**Director of Science Policy -  
Lee Van Wychen**

### **GAO Report on Improving Oversight of Biotech Crops**

Currently, the United States accounts for about 50 percent of the genetically engineered (GE) crops planted globally. In 2008, GE varieties accounted for about 80 percent of the corn, 92 percent of the soybeans, and 86 percent of the cotton planted in the United States. Last year the Senate Agriculture Committee had asked the Government Accountability Office (GAO) to analyze current federal regulatory and oversight policy on GE crops. Taking direction from the *1986 Coordinated Framework for Regulation of Biotechnology*, the U.S. Department of Agriculture

(USDA), Environmental Protection Agency (EPA), and Food and Drug Administration (FDA) regulate GE crops to ensure that they are safe. The unauthorized mixing of some GE crops with non-GE crops has caused controversy and financial harm. In this report, GAO examined (1) unauthorized releases of GE crops, (2) coordination among the three agencies, and (3) additional actions they have proposed to improve oversight.

WSSA members provided input and comments on several sections of the 109 page report including discussions around the need for more resources to monitor herbicide resistance and whether



## Washington Report

GE crops pose a risk as future noxious weeds.

**Title** - "Genetically Engineered Crops: Agencies Are Proposing Changes to Improve Oversight, but Could Take Additional Steps to Enhance Coordination and Monitoring."

### [Full Report](#) - [Highlights](#)

#### **\$47 Million for FY2009 Specialty Crop Research Proposals**

USDA-CSREES announced the availability of grant funds (approximately \$47.3 million) and requests applications for the Specialty Crop Research Initiative (SCRI) for fiscal year (FY) 2009 to solve critical United States specialty crop issues, priorities, or problems through the integration of research and extension activities that take systems-based, trans-disciplinary approaches. The intent of the SCRI is to solve the needs of the various specialty crop industries through the promotion of collaboration, open communication, the exchange of information and the development of resources that accelerate application of scientific discovery and technology. SCRI will give priority to projects that are multistate, multi-institutional, or trans-disciplinary. Grants require 100 percent non-federal match. A letter of intent is due by March 21, 2009 and final grant applications are due April 15, 2009. For complete details, please visit: <http://www.csrees.usda.gov/fo/specialtycropresearchinitiative.cfm>

#### **Economics Brief on Invasive Species Issued by USDA-ERS**

'Integrating Invasive Species Prevention And Control Policies' is the title of a report from the USDA

Economic Research Service (ERS) which synthesizes the implications of a series of studies that describe the information and data needed by public and private decision makers.

Keeping detailed records about the estimated size of an invasion, control costs, and the numbers of organisms removed—or acreage cleared—will enable decision makers to modify control programs as needed to improve program efficacy and economic efficiency. Information about an organism's ability to spread and a potentially invaded ecosystem's carrying capacity is also important. Understanding how agricultural producers and homeowners, both at home and abroad, will respond to outbreaks and public prevention/control policies is important, especially when the decision maker can affect the risk of infestation only indirectly.

The report is at <http://www.ers.usda.gov/Publications/EB11/>

The USDA ERS Briefing Room on Invasive Species Management is at <http://www.ers.usda.gov/Briefing/InvasiveSpecies/>



#### **10<sup>th</sup> National Invasive Weeds Awareness Week (NIWAW)**

The Invasive Weeds Awareness Coalition (IWAC) invites you to Washington DC for a week of events focused on educating our **new** federal policy makers and elected officials about the environmental and economic losses caused by invasive weeds. The

theme for NIWAW 10 is "**Preserving America's Heritage**". The headquarters hotel for NIWAW will be the Four Points by Sheraton Hotel, 1201 K Street NW, Washington, DC, just several blocks from the White House in the heart of DC. **Rooms are still available** in the "NIWAW" room block at \$186 per night, but you need to speak directly with Ayesha Yousaf, Sheraton Four Points Sales Manager, at 202-349-2206. The meeting registration fee is \$185 and can be done on the web at <http://niwaw.allenmm.com> or on site. For more information, please visit: <http://www.wssa.net/Meetings/NIWAW10/index.htm>

#### **Healthy Habitats Coalition**

A new political advocacy coalition for invasive species funding called the **Healthy Habitats Coalition (HHC)** will be meeting in conjunction with NIWAW for the first time. Current federal efforts and budgets are inadequate to address the invasive crisis effectively and local and state interests alone cannot resolve invasive issues. The magnitude and scope of such invasive issues require a strong federal

commitment with a sustained, long-term involvement. While NIWAW has been successful in raising awareness of invasive weeds, the **Healthy Habitats Coalition** plans to take this message to the next level by advocating for legislation and policies year-round that improve the prevention and management of invasive and noxious weeds as well as other invasive pests and diseases.

The **Healthy Habitats Coalition** is organized under Wildlife

Forever, one of the nation's leading sportsmen's non-profit conservation groups working to halt invasive species' harmful impacts on native habitat. Working in Washington, D.C., the HHC Director lobbies and coordinates national efforts to obtain enhanced federal legislation and resources for invasive species prevention and management.

The **mission of HHC** is to promote the conservation and restoration of the nation's natural heritage and economic interests from the negative impacts of invasive species. Again, HHC will focus on all invasive species taxa.

Specifically, HHC seeks enhanced federal legislation and appropriations that assist public and private landowners nationwide. Improved structure and procurement of funding for the protection and restoration of the nation's land assets across the USA is the goal. To accomplish this mission, HHC will engage the executive and legislative branches of the federal government. HHC will immediately begin to engage the new Administration, Senators, and Congressmen to get support.

**We Need Your Help-** HHC is a growing collection of leading expertise partners & lobbyists from industry, university, state, county and private practitioners. We are targeting diverse types of organizations for an Advisory & Steering Board to build a diverse base. Examples include:

Champion legislators  
Governors Association  
National Congress of State Legislatures  
NGO's: Wildlife Forever, DU, Cattleman's, TNC  
National Invasive Species Council

National Firefighter Chiefs  
National Network for Invasive Plant Centers.  
Association of Fish and Wildlife Agencies.  
National Association of State Departments of Agriculture.  
Agriculture, manufacturing, transportation, mining, forestry, chemical, retailers and other invasive professionals.

**Attend NIWAW 10** – While we have had numerous conference calls and planning sessions to form the framework for HHC, there will be many exciting opportunities to shape the future direction of invasives species policy. You don't want to miss it. The HHC will hold its first official meeting during the 10<sup>th</sup> National Invasive Weeds Awareness Week (NIWAW). In addition, HHC members will be discussing invasive species policies and legislation targets for the new 111<sup>th</sup> Congress.

For more information about how to get involved in the **Healthy Habitats Coalition**, please contact HHC Director, Tim Richardson at 301-770-6496 or [trichardson@wildlifeforever.org](mailto:trichardson@wildlifeforever.org)

### **New Name for USDA NRI Grants**

The USDA National Research Initiative (NRI) grants have been replaced by a new competitive grants program in the 2008 Farm Bill called the **Agriculture and Food Research Initiative** (AFRI). While AFRI covers most of the same grant programs that were offered by the former NRI, the new authority allows greater flexibility in the types of projects funded to include: single function projects in research, education and extension, and integrated research, education and/or extension awards.

Total program funds for the **"Biology of Weedy and Invasive Species in Agroecosystems"** are approximately \$4.6 million. The Letter of Intent deadline for this grant program is April 20, 2009.

The synopsis of the AFRI program: <http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&opId=44421>

### **New Name for NASULGC**

The National Association of State Universities and Land-Grant Colleges Board of Directors voted unanimously to change the association's name to the Association of Public and Land-grant Universities (APLU), Advancing Research, Learning and Engagement, effective April 1, 2009.

Lee Van Wychen, Ph.D.  
Director of Science Policy  
The National and Regional Weed Science Societies  
900 2nd St. NE, Suite 205  
Washington, DC 20002  
[Lee.VanWychen@WSSA.net](mailto:Lee.VanWychen@WSSA.net)  
202-746-4686

## ***People and Places***

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### **Phil Orwick:**

Phil Orwick recently joined SGS Alvey AG Research as a Senior Field Scientist at their Rockville, IN location. Phil is a Past President and Fellow of the NCWSS. He can be reached via email at [phil.orwick@sgs.com](mailto:phil.orwick@sgs.com).

### **Vince Davis:**

Vince Davis has finished up at Purdue University and started his new role as Soybean Specialist at University of Illinois. His Weed Science friends at Purdue wish him success and hope that he continues to think weed science on occasion in the future.

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## ***Position Announcements***

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### **M.Sc. Graduate Research Assistantship in Invasive Plant Ecology and Biofuels Michigan Technological University**

A graduate research assistantship at the M.Sc. level is available in the Invasive Plant Ecology Laboratory of Dr. Catherine Tarasoff at the School of Forest Resources and Environmental Science, Michigan Technological University. The successful applicant will lead a project studying the legacy effect of invasive plant competition on biomass production and subsequent economic implications of weeds on the biofuel crop switchgrass. Field work will be conducted locally and at a partner research facility approximately 3 hrs drive. As the project is experiment-based, extensive field work will be required. However, it is expected that the student will research and develop complimentary greenhouse experiments.

A background in forestry, botany, community ecology, weed science, or agronomy is desirable; as well as, an interest in the application of statistical methods and applied ecology. Proficiency in spoken and written English is a necessity.

Michigan Tech is one of the Nation's premier Forestry and Environmental Science Universities. The School of Forest Resources and Environmental Science has been ranked **fourth in the nation** for scholarly productivity among forestry schools, and **first in North America** based on citations per faculty member.

Michigan Tech is located in the snowbelt (>200" annual snowfall) of Michigan's Keweenaw Peninsula on the south shore of Lake Superior. Michigan Tech is in the small town of Houghton, which was rated as one of the top 10 U.S. adrenaline outposts by [National Geographic Adventure Magazine](#) and boasts excellent skiing, hiking, kayaking and mountain biking.

Consideration of applications begins immediately and will continue until the position is filled. The ideal start date is July 1, 2009 but other dates will be considered.

Interested persons should send a cover letter, GRE scores, curriculum vitae including names and contact information for three references, and any other relevant materials to Dr. Tarasoff by email at [ctarasof@mtu.edu](mailto:ctarasof@mtu.edu).

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### **Post Doctoral Associate Northeast Research and Extension Center, Concord, NE**

Available March 1, 2009 at Northeast Research and Extension Center at Concord, NE. Major emphasis will be on research and writing research/extension publications. The incumbent will lead the existing "Flaming Team" (3 grad students) that is studying weed control options and crop development as influenced by flaming. The incumbent is expected to assist in publishing referred scientific journals, present research findings at scientific meetings, assist in drafting grant proposals, and interact as a member of an interdisciplinary research team. To apply, submit cover letter, transcripts, and curriculum vitae including contact information for three references via email to Dr. Stevan Knezevic, [sknezevic2@unl.edu](mailto:sknezevic2@unl.edu).



## ***Position Announcements***

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**Head, Department of Plant Sciences  
College of Agriculture, Food Systems, and Natural Resources  
North Dakota State University, Fargo, ND**

**POSITION SUMMARY:** This is a 12 month appointment to lead a department of 39 tenure-track and 25 affiliated faculty. Responsibilities include setting and achieving departmental goals, managing departmental resources and personnel, developing budgets, soliciting outside funding, coordinating student recruitment, and representing the department on and off campus.

Major program areas for basic and applied research and Extension activities include agronomy, biotechnology, breeding (including the interdisciplinary development of crop cultivars), cereal science, genetics, horticulture, physiology, turf grass, and weed science. The department offers undergraduate degrees in Crop and Weed Science, Horticulture and Forestry, and Sports and Urban Turfgrass Management, and enrolls over 60 graduate students in its M.S. and Ph.D. programs. The department is housed primarily in Loftsgard Hall, completed in 1991. A new, state of the art greenhouse complex is under construction.

**QUALIFICATION:** Qualifications include (1) an earned Ph.D. in a program areas described above, or a closely related field, (2) credentials for rank of Professor with tenure in the department, and (3) evidence of strong leadership, managerial and communication skills. Inter-personal abilities are essential. Preferred qualifications include previous administrative experience, demonstrated ability to attract extramural funding, and familiarity with the Land Grant system.

**COMPENSATION:** Salary is commensurate with qualifications and experience. Benefits include TIAA/CREF, paid annual and sick leave, and health, life and disability insurance.

**CLOSING DATE:** Screening will begin March 20, 2009, and will continue until a suitable candidate is identified.

**SUBMISSION PROCESS:** Candidates must apply online at <https://jobs.ndsu.edu> by submitting:

A letter that describes how the qualifications are met.

A detailed C.V.

A statement of leadership philosophy.

Names and contact information for five references.

Contact Dr. Jack Rasmussen ([jack.rasmussen@ndsu.edu](mailto:jack.rasmussen@ndsu.edu), 701-231-7058), Search Committee Chair, with questions.

*North Dakota State University does not discriminate on the basis of race, color, national origin, religion, sex, disability, age, Vietnam Era Veterans status, sexual orientation, marital status, or public assistance status. Direct inquiries to the Executive Director and Chief Diversity Office, 202 Old Main, (701) 231-7708.*

## ***Position Announcements***

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### **Bennett Agricultural Research Corp.**

1109 Ivy Avenue, Richland, IA 52585

Tel: (319)456-3516

Fax: (319)456-2019

Email: [barc@iowatelecom.net](mailto:barc@iowatelecom.net)

Website: [www.bennetttag.com](http://www.bennetttag.com)

**JOB TITLE:** Research Scientist

**EMPLOYER:** Bennett Ag Research Corp. (BARC) is located in Southeast Iowa. We provide residue, efficacy, and biotech crop research on a contract basis in Iowa and northeast Missouri. We are starting our thirteenth research season and are looking for an individual to grow with the company. We will train the individual, but we are looking for someone who wants to learn and is dependable and detail oriented.

**RESPONSIBILITIES:** Trial establishment and maintenance, data and sample collection, equipment maintenance and operation, and pesticide application to field research trials. Supervision of Research Technicians and field workers. Will have direct contact with client personnel related to trial status and final reports. Computer operations will include standard word processing and spreadsheet operations along with CAD, and research specific data collection and management programs.

**QUALIFICATIONS:** Minimum of a BS in Agriculture required. Experience in crop production (required) and the operation and maintenance of commercial and plot-size 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 soon 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@iowatelecom.net](mailto:barc@iowatelecom.net). A resume and references will be required.

## ***Position Announcements***

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### **A New Career Opportunity Awaits You At MONSANTO!**

#### **POSITION TITLE: TECHNOLOGY DEVELOPMENT MANAGER - Selective Chemistry**

**COMPANY: Monsanto**, an Ag industry leader creating scientific breakthroughs around the world, currently has an exciting opportunity in **St. Louis, MO**.

#### **RESPONSIBILITIES:**

- Develop and manage TD protocols to support the use of selective chemistry in Roundup Ready systems and conventional herbicide programs.
- Lead the strategic and tactical technical approaches to selective chemistry product positioning and sustainability.
- Collaborate with Marketing, Sales and Product Management to enhance current selective chemistry sales and drive new product opportunities.
- Provide U.S. markets technical direction and engage with other Monsanto functional teams, including Regulatory Science, Global Stewardship, Legal, Public and Industry Affairs, Manufacturing and Technology Teams by participating in or leading cross-functional teams.
- Develop and implement training materials and sales tools for field teams and other varied clients on a proactive basis.
- Manage the selective chemistry product labels, including writing, reviewing and final approval of content and language.
- Take ownership of new chemistry products that become available as commercial or proprietary opportunities, including but not limited to dicamba-based products.
- Act as a resource for competitive market analysis of competing and complementary herbicide products as requested by U.S. Markets.

#### **REQUIRED SKILLS AND EXPERIENCE:**

- MS or PhD in Weed Science, Agronomy, Biology, Horticulture or a related field.
- Excellent communication, leadership, technical and team-building skills.
- Ability to effectively communicate complex information and influence diverse audiences through written and verbal presentations.
- Ability to relate highly technical subjects to non-technical audiences.
- Practical knowledge of weed science, cropping systems and agronomy is strongly preferred.
- Creativity and innovation skills are desirable for designing TD field programs and for developing communication materials to enhance understanding of highly technical information.
- Collaboration across multi-functional groups and geographies is highly desirable.

**SUBMISSION PROCESS: Please note that only applications submitted through the Monsanto career web site will be considered for this position.**

To view a more complete and detailed job description of this exciting position, please visit our website at **www.monsanto.com** and to apply online select **req. # mons-00009669**. We offer very competitive salaries and an extensive benefits package.

*Monsanto values diversity and is an equal opportunity employer. M/F/D/V*



## ***Position Announcements***

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### **Dow AgroSciences Position Announcement U.S. Crop Production R&D Multiple Midwest U.S. Locations**

**POSITION TITLE:** Field Scientist

**POSITION SUMMARY:** The purpose of the Field Scientist job is to: (1) plan and implement field research and development programs to validate the field performance of new product concepts; (2) recognize future marketplace needs and influence the development of new product concepts; and (3) provide technical support to maximize sales of new and existing products. The Field Scientist develops and maintains effective relationships with academic and private research collaborators, key customers, and other centers of influence; provides commercial support; and characterizes new products through self-initiated field trials as well as contracted research.

**PRIMARY RESPONSIBILITIES:**

- Plan and implement field research programs to validate the performance of new products in development.
- Establish research relationships with university and consultant cooperators.
- Identify new business opportunities for Dow AgroSciences, keep abreast of market trends, and influence development of new products.
- Develop and maintain key contacts within the technical community (university, extension, federal and state agencies, natural resource non-governmental organizations, and industry/commodity associations).
- Provide direct technical support to the Dow AgroSciences commercial team.
- Promote proper use of Dow AgroSciences products through development and delivery of product stewardship programs.

**QUALIFICATIONS:** Applicants should have an in-depth knowledge of the theories and practices of agricultural science and a demonstrated proficiency in conducting and publishing refereed research. A working knowledge of agronomic production practices and molecular biology or plant genetics would also be to the candidate's advantage. Although not required, a Ph.D. degree in Weed Science, Entomology, Plant Pathology or related Biological Science is desired. Candidates must have a demonstrated ability to transfer technology through scientific presentation and publication. The job requires practical knowledge of education techniques and experience transferring technical information to diverse audiences.

**SUBMISSION PROCESS:**

**Contact:** Randy L. Smith      Field Science Business Partner  
Office Phone: (317) 337-3341  
Cell Phone: (317) 379-2527  
Email: [rsmith4@dow.com](mailto:rsmith4@dow.com)

*Dow AgroSciences is an equal opportunity employer*



## Papers Needed for ASTM International Symposium on Pesticide Formulations and Delivery Systems: Regulations and Innovation

**W. CONSHOHOCKEN, Pa., 12 January 2009**—Papers are invited for the 30<sup>th</sup> Symposium on Pesticide Formulations and Delivery Systems: Regulations and Innovation, to be held Oct. 20-22, 2009, in Atlanta, Ga. Sponsored by ASTM International Committee E35 on Pesticides and Alternative Control Agents, the symposium will be held in conjunction with the Oct. 19-23 standards development meetings of the committee.

The annual ASTM Symposium on Pesticide Formulations and Delivery Systems serves as a multidisciplinary forum for scientists, applicators, regulators and business people to exchange information and to learn about state-of-the art products and practices that meet or exceed current market needs. It is devoted to all aspects of the agrochemical industry, from new inert ingredients, formulations, application equipment and application techniques to regulatory requirements. This year will include presentations on biopesticides, drift reduction, and development of multi-active formulations as well as commentary from some of the original members of Subcommittee E35.22 on Pesticide Formulations and Delivery Systems on the changes they have observed and addressed in the industry over the past 30 years. In addition, this year's keynote speaker will be Dr. P. V. Shah, chief of the Inert Ingredient Assessment Branch, Registration Division, EPA.

To participate in the symposium, presenters/authors must submit the online abstract submittal form at <http://www.astm.org/MEETINGS/COMMIT/e35symp1009.htm> and attach a 250-300 word preliminary abstract by May 22, 2009. The abstract must include a clear definition of the objective and approach of the work discussed, pointing out material that is new, and present sufficient details regarding results. The presentation and manuscript must not be of a commercial nature nor can it have been previously published. Symposium chair David Lindsay will notify you by June 26, 2009, of your paper's acceptability for presentation at the symposium. If the preliminary abstract is accepted, the presenter/author will be requested to submit a final camera-ready abstract several months before the symposium. The final abstracts will be distributed in a booklet at the symposium.

Symposium presenters are required to submit their papers to the *Journal of ASTM International (JAI)*. *JAI* is an online, peer-reviewed journal for the international scientific and engineering community. You may access information about *JAI* at [www.astm.org/JAI](http://www.astm.org/JAI). Additionally, you may wish to review the new Web-based submission and peer-review site at <http://jai.peerx-press.org>. Manuscripts to be peer reviewed for *JAI* are due online by Oct. 20, 2009. Once the final selection of abstracts is approved, ASTM will send authors' instructions via e-mail. The author will receive a copy of his/her paper in a PDF.

Additional information is available from symposium chair A. David Lindsay, Ph.D., Evonik Goldschmidt Corp., Hopewell, Va. (phone: 804-452-5648; [david.lindsay@evonik.com](mailto:david.lindsay@evonik.com)); or co-chair Professor Rich Zollinger, Ph.D., North Dakota State University, Fargo, N.D. (phone: 701-231-8157; [r.zollinger@ndsu.edu](mailto:r.zollinger@ndsu.edu)).

Established in 1898, ASTM International is one of the largest international standards development and delivery systems in the world. ASTM International meets the World Trade Organization (WTO) principles for the development of international standards: coherence, consensus, development dimension, effectiveness, impartiality, openness, relevance and transparency. ASTM standards are accepted and used in research and development, product testing, quality systems and commercial transactions around the globe.

## New Publications Available



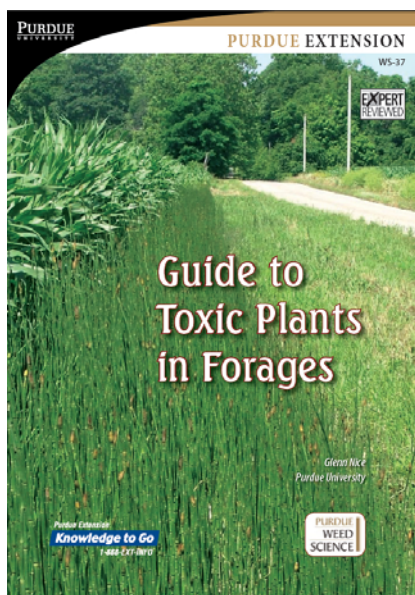
### Noxious Weeds of Nebraska: Common Reed

**Stevan Z. Knezevic, Integrated Weed Management Specialist**  
**Avishek Datta, Weed Science Post Doctoral Fellow**  
**Ryan E. Rapp, Weed Science Graduate Student**

Common reed (*Phragmites* sp.) is a large perennial grass that can invade and become problematic in wetland, ditches and water front areas. This publication from Nebraska provides images of common reed and information on its impact, biology, identification and control.

This publication is available on line [\[Click\]](#)

EC166



### Guide to Toxic Plants in Forages

**Glenn Nice - Weed Science Professional**

The presence of toxic plants in a pasture can lead to a decrease in animal production, quality of forages and the possible loss of a cherished pet. Knowing which plants are toxic and how to control them is essential in maintaining a productive pasture.

This publication provides information on identification, symptomology and control of several toxic plants found in Midwest.

This publication is available on line [\[Click\]](#) or for \$4.00 for a printed copy. To buy please follow this link [\[Click\]](#)

WS-37

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

**If you have questions about the NCWSS News-  
letter please feel free to contact us at:  
Harlene Glenn**