

NCWSS • News

North Central Weed Science Society

Vol 27 Number 1, Spring 2010

www.ncwss.org

- ▶ 2010 Presidential Comments - Chris Boerboom..... 1
- ▶ Past President's Address..... 3
- ▶ 2010 NCWSS Board Members..... 4
- ▶ NCWSS Annual Meeting 5
- ▶ Distinguished Achievement Awards 6
- ▶ Fellows..... 10
- ▶ Student Awards Contest 11
- ▶ NCWSS Resolution for 2009..... 14
- ▶ New from CAST..... 15
- ▶ Climate Change and the Implications for Plant Protection 16
- ▶ Obituaries 17
- ▶ People and Places 18
- ▶ Position Announcements 20

2010 Presidential Comments – Chris Boerboom



Chris Boerboom, 2010 NCWSS President.

Welcome to the spring issue of the NCWSS Newsletter. Although you may have been experiencing spring for a several weeks, I'm learning that spring reaches North Dakota a bit later on the calendar. With this thaw, I could be tempting to let spring fever catch hold and start charting new directions for the Society as NCWSS President. However, recent leaders of the Society have taken several progressive and responsive steps in the past few years and enacted

several changes. These changes have improved the Board's efficiency, empowered committees to generate dynamic new ideas, and improved the annual meeting format just to cite a few examples. So, it is probably best to keep a steady hand on this ship and stay the course. Still, with my first opportunity to make presidential remarks, I wanted to make a few assessments and comments on the Society based on our mission statement.

MISSION: The NCWSS delivers research, education, and training to persons responsible for weeds and their management in land use systems.

The NCWSS delivers research: Without doubt, we are a research and science based organization. While we operate rather autonomously within our state or provincial boundaries or companies, collectively, we are effective in delivering valuable research. However, one might question if we deliver research to our full potential or to fully meet the needs of our clientele. In fact, academic and industry budget reductions are threatening to reduce our potential. This challenge leads me to ask two questions. Will academic weed scientists seek out the funding opportunities and become engaged in the new NIFA Agriculture and Food Research Initiative (AFRI) proposals (<http://www.nifa.usda.gov/>)? These funding streams are projected to be larger, longer in duration, and require greater integration of extension or education with the research.



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

Continued on Next Page

The seven separate Request for Applications (RFA) within the AFRI core program were released March 22. I challenge NCWSS weed scientists to combine your talents and bring several proposals to the table to deliver research for the benefit of our stakeholders.

The second question that I have is whether or not we make a conscientious effort to measure the value of our research? We are so busy in doing good work that we often skip measuring the impact of our efforts. Consider the old riddle, “If a tree falls in the forest, does it make a sound if there is no one to hear it?” The analogous situation might be “If a weed science position becomes vacant, does anybody care?” If we don’t measure the impact of our research, education, and extension, can we blame a non-responsive administration? I believe that we make impacts daily. We just need to stop being modest and tell our story.

The NCWSS delivers education: I will argue this is our Society’s forte. Our annual meeting is all about education and communication. At the 2009 Annual Meeting, we educated 303 NCWSS members who were in attendance. In particular, 60 students had a special educational opportunity at the statistics workshop, and the entire membership had educational opportunities at excellent symposia, workshops, and discussions on application technologies, invasive species management, Extension issues, and new herbicide technologies. I need to provide a special kudos to the coordinators of these sessions for their fine work: Greg Kruger, Don Penner, Anita Dille, Jeff Vogel, Lowell Sandell, Mike Owen, and Terry Carmody. Overall, our annual meeting provided the authors of 68 posters and 101 papers the opportunity to educate their colleagues on the most recent research findings in the North Central region. While I believe we have a successful format for our annual meeting, our Long Range Planning Committee is continuing to evaluate the options of posting poster and paper presentations to our web site as an enhancement of this educational component.

I might hazard one final comment regarding the educational value of our meeting. Robin Morgan stated “Knowledge is power. Information is power.” I hope we can empower our members with information by supporting their travel and attendance even in times of tight budgets. I think this applies equally to industry and academia. If there are unique

educational activities that we can provide to increase industry attendance, please let me or Mark Wrucke know.

The NCWSS delivers training: The NCWSS also excels in training, especially for our graduate students. Graduate students gain valuable experience in communicating through the paper and poster contests at the annual meetings. Graduate and undergraduate students have also experienced 3 decades of training through the Summer Weed Contests. Our educational offerings will evolve over the next couple of years. This summer, the NCWSS will host a 3 day summer school in Wisconsin from July 27-29, which will allow students to learn about weed science and related production issues beyond the crops they typically encounter. Jed Colquhoun will be providing coordination of the planning team and expect more information from him. The summer school will be a great opportunity that I wish I had as a student. In fact, I’m going to try to tag along a bit and blend in (and hope they don’t notice the gray in my hair). In 2011, the NCWSS will participate in a Weed Olympics contest being hosted by the University of Tennessee. This is a national summer weed contest. Our educational and training efforts are only limited by our imagination. Please feel free to suggest any new ideas for symposia, workshops, or trainings.

How do we deliver this mission? The answer is really quite simple. The Society provides the framework through streamlined operations and a new executive secretary, Phil Banks, but your ideas, participation, and dedication make the Society work.

I especially want to thank Mick Holm as past President, John Wollam and the Local Arrangements Committee, Bryan Young and the Long Range Planning Committee, and Bill Johnson and Executive Secretary Search Committee for key contributions over the past year. You have all contributed in laying the groundwork for the health and success of the NCWSS.

Committees

Committees and Section Chairs for 2010 are posted on the NCWSS website. Please review the assignments and let me know if you find any mistakes in phone numbers or email addresses. I would like to thank everybody who is on a committee. ♦

Save The Date

NCWSS Summer School: Exploring Wisconsin's Weeds, Ag and Environment.

- **A hands on opportunity to learn about processing vegetables, muck farming, fresh vegetable production, cranberries, water quality issues, grazing, dairies and cheese production.**
- **Open to NCWSS grad students**
- **Arrive in Madison, WI on July 26th and depart at 11:00 AM on July 29th.**
- **Event concludes on Thursday morning with a crop diagnostic troubleshooting workshop.**
- **Don't miss your chance to become an honorary cheesehead.**

Stay tuned for more info

64th Annual Meeting of the North Central Weed Science Society - Mick Holm (Past President)

My term as President came to a close during the awards luncheon at our Kansas City annual meeting. While I thoroughly enjoyed my time serving as your President, I was glad to pass the gavel to our new President, Chris Boerboom. With his job change and subsequent move to North Dakota, I'm glad Chris is still in the North Central region and was willing to serve as President. Hopefully the weather in Fargo doesn't get the best of him.

I would like to thank Chris for his leadership in developing the strong Kansas City program. Also, John Wollam and his local arrangements crew did a great job behind the scenes insuring that everything ran smoothly during the meeting. There are many others who also should be acknowledged, including the symposia organizers, session chairs, committee chairs and paper and poster judges. It takes a lot of effort from many of our members to have a successful annual meeting.

Attendance was down slightly this year. The final count was 303. I believe this can be explained or blamed on the economy, conflicting meetings and perhaps the weather. Another explanation is that we didn't partner with another organization this year. I have a lot of value for partnering with other groups for our annual meeting and think we should pursue this every

year. With this said, our attendance wasn't too much different from the 332 we had at the 2005 Kansas City meeting.

2009 was a year of change for our society. Our first society wide election was successful as we elected a new VP, Bryan Young and a new CAST rep, Duane Rathmann. Also, we recognized Bob Schmidt at the meeting for his 32 years of service to the NCWSS. His replacement, Phil Banks is up and running as our new Executive Secretary. Thanks to both Bob and Phil for their part in making such a smooth transition.

As Past President, I'll be busy this year offering guidance to Chris and our program chair, Mark Wrucke. I'll also be coordinating the Distinguished Achievement awards, including the newly implemented Grad student award. Please be thinking of potential nominees for all the various awards. You will also find me as part of the NCWSS summer school to be held in Wisconsin during July. This event is a one year hiatus from the weed contest and promises to be an exciting and educational time for our students.

I hope everybody has a safe and productive year and I'm already looking forward to our Lexington meeting. Remember the more we all get involved with the NCWSS, the stronger our Society will be into the future.

2010 NCWSS BOARD MEMBERS

President - Chris Boerboom
President Elect - Mark Wrucke
Vice President - Brian Young
Past President - Mick Holm
Phil Banks – Executive Secretary
**Christy Sprague - Secretary/
Treasurer**
Bob Hartzler - Proceedings Editor
**Harlene Hatterman-Valenti -
Communications Editor**

Kevin Bradley - WSSA Rep.
Duane Rathmann – CAST Rep.
**Lee Van Wychen - Dir. Science
Policy**
Mark Bernards - Extension
Andy Robinson – Graduate Student
Ryan Tichich – Industry
John Hinz - Resident Education
Brian Jenks - Western Region
David Thomas - Central Region

NCWSS BOARD MEMBERS

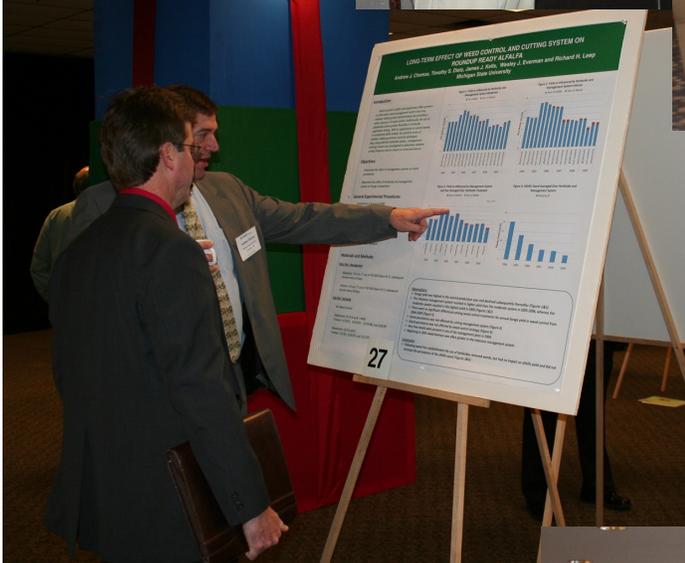


***Top Left to Right:
Bob Schmidt, Kevin Bradley, Bob Hartzler, Duane Rothman, Harlene Hatterman-
Valenti, Christy Sprague, Lee Van Wychen***

***Bottom Left to Right:
Brian Young, Mick Holm, Chris Boerboom, Mark Wrucke***

NCWSS Annual Meeting - 2010, Kansas City

Thanks to the Kansas City Local
Arrangements Committee



Distinguished Achievement Awards



**Young Scientist Award
Kevin Bradley**

Young Scientist - Kevin Bradley

Dr. Bradley obtained his B.S. degree in Agriculture with a minor in Business from Ferrum College in 1995 and his Ph.D degree in Weed Science from Virginia Polytechnic Institute and State University in 2000. Dr. Bradley began his career as a Postdoctoral Research Associate at Virginia Tech conducting research to evaluate weed management programs in corn, soybean, wheat, pastures, cotton and vegetable crops. He managed the Virginia Cooperative Extension weed identification clinic, maintained the online Virginia Tech weed Identification Guide and incorporated images and information from the guide into the herbicide application decision support system (HADSS) and WebHADSS software currently in use throughout the southern United States.

In 2003, Dr. Bradley became an Assistant Professor and State Extension Weed Scientist in the Division of Plant Sciences at the University of Missouri with a 70% extension, 20% research and 10% service split. Dr. Bradley is responsible for research and extension projects for weed management in corn, soybean, wheat, pastures and forages. Specific programs that Dr. Bradley places his focus on include weed management programs for use in conventional and herbicide tolerant crop and forage systems and the identification, characterization and management of glyphosate-resistant weed biotypes. He was the first weed scientist to document glyphosate resistance in waterhemp and continues to do extensive work to understand the magnitude of the problem and develop weed management systems to control waterhemp in Missouri. Dr. Bradley works in cooperation with other disciplines to develop weed management strategies that will reduce the incidence and severity of insect and disease pests. He also is working on defining the effects that common pasture weeds have on forage yield and quality. Dr. Bradley has authored or coauthored 24 refereed manuscripts and 8 extension publications. Dr. Bradley and his students have given 29 presentations and 7 Invited Presentations at regional and national meetings since 2004. Dr. Bradley has also published over 100 additional extension newsletter articles, technical reports, abstracts, etc. Dr. Bradley has trained several MS and Ph.D students. Dr. Bradley has been an active member of the NCWSS since 2003. He was the organizer of the

Herbicide-resistant Crops symposium at the 2008 meeting and is currently the WSSA liaison. He has also served on various committees in the NCWSS and WSSA. Dr. Bradley is also active in the American Society of Agronomy and is currently Associate Editor for *Agronomy Journal*. Dr. Bradley was recognized with the Outstanding Recent Alumnus, Department of Plant Pathology, Physiology, and Weed Science, Virginia Tech in 2008 and the 2006 Provost Award for Creative Extension Programming by New Faculty at the University of Missouri.



**Young Scientist Award
Adam Davis**

Adam Davis – Young Scientist

The focus of Adam's research has been primarily in weed biology and ecology, with emphasis on weed population dynamics, multi-tactic integrated weed management and the dynamics and management of weed seedbanks. He has a superb command of statistical methods and has used these talents to

guide his research on using matrix population models to guide biocontrol agent selection. And he has been concerned with and conducted research on the invasive potential of biofuels species. The research results in these difficult areas have been widely accepted and acclaimed as being of high impact and contributing a great deal to the literature on weed science biology and ecology.

Dr. Davis is an outstanding speaker and writer and has promptly presented his research results at regional, national and international meetings, and has published these results in a variety of high quality journals. To date, he has published 35 articles in peer-reviewed journals, including those targeted at agricultural professionals, such as *Weed Science and Agronomy Journal*, and general interest journals such as *Science* and the *Proceedings of the National Academy of Sciences*. His publications have been widely cited and he has been invited to present his results numerous times to regional, national and international audiences. Adam has been recognized for his scholarly achievements and creative and productive research by being nominated or honored for a number of awards.

In terms of service to organizations, Dr. Davis has an exemplary record for one this early in his career. He is an active member of several professional societies, including the NCWSS and WSSA. His efforts in serving on and chairing committees and organizing and chairing symposia are highly commendable. Because of his outstanding writing and editing skills, Adam has been in high demand for reviewing

manuscripts and in being invited to serve as Editor for several journals. He currently serves as an Associate Editor for *Weed Science* and *Weed Research*.

Dr. Davis excels as a proposal/grant writer, and has an impressive list of successful competitive grants, which also demonstrates the very high regard of other scientists for his research and productivity in a difficult-to-research area, where guidelines are limited and creativity is essential to success. Part of Dr. Davis' extraordinary success has been due to his originality and persistence, but also to his ability to work cooperatively with a number of scientists and technical assistants within and across disciplines. He is equally effective as a part of a team or as the team leader. He is a good listener and is open to new and fresh ideas, and is also available and willing to share his ideas and assist others as requested.

As a USDA-ARS research scientist based at the University of Illinois, Adam has enjoyed contributing to graduate education by serving on four Ph.D. and four M.S. thesis committees. He has trained numerous undergraduate research assistants and supervised several undergraduate independent study projects in weed science. There are currently four postdoctoral research associates working in his lab.

Although Adam has no outreach or extension role in his current assignment, he makes clear and outstanding presentations to a variety of local and regional lay audiences as requested. The publication, *Integrated Weed Management Guide: One year's seeding*, is a superb example of Adam's ability to "take the message to the clientele".



**Industry Award
Adrian Moses**

Adrian Moses - Industry Award

Adrian has served the NCWSS as program chair and president of the society, member of numerous committees (Constitution & Operating Procedures, Local Arrangements, Membership, and Publicity & Public Relations), board of directors, poster and paper judge, and presenter of several papers. He deeply values the work of the society, is a strong advocate for the involvement of its membership in society activities and promulgates the principles of the society at every opportunity.

As an ambassador for Syngenta, Adrian has developed highly functional relationships in the agricultural community by participating in programs and sharing information. He has very effective relationships with university colleagues and supports numerous research programs, working collaboratively to provide the agricultural industry with crop protection

products. He participates in university career days to publicize private sector opportunities for interested students. He uses his Gilbert research farm to host numerous field days and workshops throughout the year. Adrian always looks for opportunities to support and promote agriculture.

Each year, Adrian is responsible for approximately 100 R&D trials and each year he sets the benchmark among his peers for a prolific, high quality R&D program. From these and other trials conducted by his peers in the Midwest, Adrian is expected to present summary reports during our annual results meeting where he averages 8 to 10 project summaries each year. From these summaries decisions are made relative to the development of new active ingredients, new formulations, crop registrations, patents and technology acquisitions. As a project team member, he has been responsible for helping develop the directions for use for several corn and soybean herbicides including Callisto, Flexstar GT, Halex GT, Lexar, Lumax, and Prefix.

The trials that Adrian conducts himself are always underpinned by exemplary agronomy whether it be a trial on herbicides or another area of technology being investigated by Syngenta (indeed, Adrian is as capable as any practical entomologist or plant pathologist in Syngenta of conducting trials associated with these areas of science). This breadth is particularly important as Adrian's Iowa territory is arguably one of the most important to Syngenta, which means that the visibility and pressure to deliver quality work is very high. Adrian's R&D program

is always one that impresses and is a perennial 'must stop' for the numerous internal tours that traverse the U.S. each year.

Adrian is extremely well thought of within Syngenta and is often referred to as 'Mr. Congeniality'. He is highly coveted as a mentor and has hosted new hires and international colleagues who desire tuition on our R&D ways of working for anywhere from a couple days to several weeks. His 'guests' always leave as 'friends' with an in-depth appreciation for Iowa agriculture and the intimate knowledge of the business end of a spray boom. In addition, over the years Adrian has hired and trained numerous summer interns, some of which, due to his encouragement, have sought advanced degrees.

Finally, Adrian's is an excellent colleague. Quick to offer help and encouragement to those who need it, always prepared take on additional tasks or trials to ensure the success of a project, and known Syngenta-wide as a scientist who delivers in word and deed year in and year out. All of this is underpinned by Adrian's genuine nature, generosity, joyful spirit, intense scientific curiosity and immense good will.

Reid Smeda – Education

"What you get out of this class depends upon what you are willing to put into it". This is a motto that Dr. Reid Smeda places on the syllabus of the undergraduate courses he teaches. Raised on a small fruit farm and being an only son, he learned at an early age that accomplishments never were made without effort and ambition. He thanks both of his parents for that.



**Education Award
Reid Smeda**

With a B.S. and M.S. from Michigan State University (1982 and 1985, respectively) and a Ph.D. from Purdue University in 1990, Dr. Smeda began his career as a Plant Physiologist with the USDA-ARS in Stoneville, MS. Living there provided a greater cultural and professional education than many of the courses taken in college. Although not directly involved in teaching, training Post-doc's and technical staff always fueled a desire to become a University professor.

In 1996, Dr. Smeda moved from MS to MO, and became an Assistant Professor in the Department of Agronomy at the University of Missouri. His teaching responsibilities included an undergraduate introductory course in weed science and team instruction of a graduate level weed science course. After 13 years at Mizzou, he still is involved in those courses, and also instructs a Freshmen/Sophomore course called "People, Plants, and the Environment". He also serves as the faculty advisor for the

NCWSS Annual Meeting 2010

undergraduate Agronomy Club.

Dr. Smeda became Associate Professor in 2003, and also added responsibilities as Director for Undergraduate Programs in Plant Sciences. In that role, he oversees curriculum revisions, recruitment activities, and academic advising for the 90+ students in Plant Sciences.

Without enough to do, Dr. Smeda has also advised 15 M.S. and 3 Ph.D. students. These students have won numerous oral and poster awards at the NCWSS meetings, in addition to giving Purdue a run for their money in the North Central Weed Science Summer contest (no John Wooden equivalents there). Dr. Smeda also has served in various capacities for the weed science societies, including the NCWSS. He has organized 2 symposia and has been chair of several committees, including the various positions leading up to the Resident Education Committee. He has also been a paper and poster judge on numerous occasions. Currently, he is the State Director and serves on the NCWSS Board of Directors. Research is another component of Dr. Smeda's responsibilities, and he strives to bring the latest research accomplishments into the classroom. He has published over 40 journal articles and 5 book chapters. Previous recognitions for teaching accomplishments include: Division of Student Affairs (MU) Excellence in Education Award, 2001; Outstanding Agronomy Faculty, 2002 (presented to one faculty member by the Agronomy Club); CAFNR Junior Faculty Teaching Award, 2002; and the CAFNR Golden Apple Teaching Award, 2009.

Dr. Smeda believes that one of our most important accomplishments as professionals is the education of young people, the future of our society and the discipline of weed science.



Jim Moody – Professional Staff

Mr. James (Jim) Moody has worked in weed science for 38 years in industry, academia, and most recently government. Following a B.Sc. from Iowa State University, his career began as a Research Assistant with Chevron Chemical Company in 1971. He continued in that position with Valent USA Corporation, before taking a Research Specialist position in weed science with the University of Illinois. Since 2006, he has been employed as a Biological Sciences Technician with USDA-ARS in Urbana, IL.

As a professional staff member, Jim has provided exemplary service to private, academic, and federal organizations. A few examples include: helping conduct the North Central Weed

Contest, coordinating University of Illinois weed tours, making presentations at NCWSS meetings, and coauthoring several publications. Throughout his career, Jim has been responsive to a changing environment. He has periodically taken graduate coursework to enhance his knowledge, skills, and abilities. He continually generates ways of improving the quality of test results, and he masters new techniques quickly, broadening the research capacity of the lab. Jim has a knack for identifying and incorporating useful technologies. For instance, Jim designed and built a water filtration system for the lab's weed seed elutriator, which now saves hundreds of gallons of tap water daily and received national press coverage. He has received multiple awards from Valent and USDA-ARS.

ARS ecologist Marty Williams, writes, "Jim has the acumen of both a successful researcher and practical farmer; a great combination of expertise. Jim strives and achieves a positive work environment in the lab. Jim will not only get the job done, he'll do it with a great deal of class."

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

**If you have content for
the NCWSS Newsletter,
please email your
articles to Harlene**

[Email Content](#)

Fellows



Fellow
J.D. Green

J.D. Green - Fellow

Dr. Jonathan D. (J.D.) Green is Extension Weed Scientist at the University of Kentucky where he began his career in 1986 upon completion of a Ph.D. in Weed Science from Oklahoma State University. Dr. Green is highly respected by growers, county Extension Agents, agricultural retailers, and professional peers as evidenced by numerous awards and commendations including the M.D. Whiteker Excellence Award in Extension in Kentucky. J.D. has been a devoted member of the NCWSS throughout his career and has served the Society in numerous capacities including member of the Board of Directors as Kentucky state representative and Director-at-Large for Extension, two terms as chair of the Finance, Steering, and Policy Committee, and service on 16 other committees including Constitution and Operating Procedures, Fellow and Distinguished Achievement

Awards, and Program. Also, he served on the Executive committee as Secretary/Treasurer from 2003-2007. In addition to his service to the NCWSS, J.D. is an active member of the Weed Science Society of America, the Southern Society of Weed Science, and is one of only a few weed scientists who served on the American Society of Agronomy's ARCPACS Board during its initial stages of development. Consequently, he played a key role in laying the foundation for developing criteria for certifying weed scientists. He also has served on four review panels for projects submitted to the Southern Region Pesticide Impact Assessment Program or the North Central Region for IPM. Although J.D.'s appointment is 100% Extension, he makes time to interact with students and serves as a role model for graduate students. He has served as the major advisor of two graduate students and has served on 23 graduate student advisory committees, is coordinator of the College Herbarium of Kentucky Weeds, and has developed and taught or co-taught three courses.



Fellow
Thomas B. Threewitt

Thomas B. Threewitt - Fellow

Thomas B. Threewitt has been an active member of the NCWSS for more than 40 years. After receiving a Ph.D. in Weed Science from the University of Illinois in 1972, Dr. Threewitt accepted a position of field research representative for the state of Kansas with Ciba-Geigy. He is one of the few individuals who stayed with the same company at the same location for 32 years until retirement from Syngenta in 2004, even though the company went through several mergers and name changes during his career. After retiring from Syngenta, Tom established his own consulting and contract research company Paca Ag. Tom was especially active in developing Ciba-Geigy/Norvartis/Syngenta products for dryland cropping systems including Igran, Dual, Amber, Beacon, Peak, Spirit, and Rave herbicides. He was the first to discover and recognize the potential to control shattercane with Beacon herbicide. In recognition of his contributions, he received the NCWSS Distinguished Achievement Award – Industry in 2002. He has also made noteworthy contribution to the profession outside of his primary industry responsibilities. He is a member of the Kansas Agricultural Retailers Association and served as an original member and President of the Kansas Certified Crop Advisors board of directors. Tom made a special effort to meet graduate students at universities within his area of responsibility to learn of their research projects and professional interests. He regularly assists at NCWSS summer student contests and has frequently served as a judge in graduate student paper/poster

NCWSS Annual Meeting 2010

contests. Tom has served as Director for Kansas on the NCWSS Board of Directors as well as serving on several committees. In addition to the NCWSS, Tom also is an active member of the Weed Science Society of America, the Western Society of Weed Science, and the Council of Agricultural Science and

Robert N. Klein - Fellow

Robert Klien has been an active member of the NCWSS for nearly 25 years, though he gave his first of many papers at a NCWSS meeting several years earlier in 1976. He worked several years as a County Agent in McCook, Nebraska before accepting the position of Extension Cropping Systems Specialist at the University of Nebraska's West Central Research and Extension Center at North Platte in 1984. Throughout his career Bob has tirelessly promoted effective management of stored soil water to increase crop productivity in the semi



**Fellow
Bob Kline**

-arid Central and West-Central Great Plains. He has contributed to the understanding and has actively promoted efficient pesticide application technologies and has gained an international reputation as

an expert on application equipment and nozzles. He has been an invited speaker at scientific meetings and extension programs in several states. Bob has served as Chair or Vice-Chair of the NCWSS Equipment and Application Methods Section many times, as Chair of the Regional Publication Committee, and as a member of Membership Committee. Bob has been a prolific author of extension publications and articles. He co-authors the annual "Guide for Weed Management in Nebraska" and has written numerous NebGuides, Extension Circulars, and Crop Watch articles. In 2005, Bob was recognized by the NCWSS with the Distinguished Achievement Award for Education. In addition to his contributions to the NCWSS, Bob also is an active member of the Western Society of Weed Science, the Weed Science Society of America, and the American Society of Agronomy. He served on the ASA Board of Directors from 2005-2008, when major decisions were made to change ASA governance.

Student Awards Contest

Grad Student Contest - Soybean, Legume and Grass Pasture Papers.



**Paul Marquadt
Purdue**



**Alexander J.
Lindsey
Michigan State
University**

Paper First Place.

Competition of Transgenic Volunteer Corn with Soybean and the Implications for Weed and Insect Resistance Management. Paul T. Marquadt*, Christian H. Krupke, and William G. Johnson, Purdue University, West Lafayette.

Paper Second Place.

Tolerance of Miscanthus to Pre- and Postemergence Herbicides. Alexander J. Lindsey*, Wesley J. Everman, Calvin F. Glaspie, Michigan State University, East Lansing.

NCWSS Student Awards Contest 2010

Grad Student Contest - Weed Biology and Ecology.



***Nathanael D.
Fickett
University of
Wisconsin***



***Tye C. Shauck
University of
Missouri***

Paper First Place.

Estimated Economic Losses from Early Weed Competition in Wisconsin Corn and Soybean Fields. Nathanael D. Fickett*, Clarissa M. Hammond, David E. Stoltenberg, and Chris M. Boerboom, University of Wisconsin, Department of Agriculture, Trade, and Consumer Protection, Madison.

Paper Second Place.

Competitive Effects of Volunteer Corn (*Zea mays L.*) in Corn. Tye C. Shauck*, and Reid J. Smeda, University of Missouri, Columbia.

Grad Student Contest - Herbicide Physiology and Mixed Student Papers



***Stephanie L.
Rousonelos
University of
Illinois***



***Jessica Schafer
Purdue***

Paper First Place.

An Alternative to the Glycine Deletion: Why R98L was Selected in Common Ragweed Protoporphyrinogen Oxidase. Stephanie L. Rousonelos*, Ryan M. Lee, and Patrick J. Tranel, University of Illinois, Urbana.

Paper Second Place.

Effect of Growth Media on Common Lambsquarters and Giant Ragweed Biotypes Response to Glyphosate. Jessica R. Schafer*, Andrew M. Westhoven, Greg R. Kruger, Vince M. Davis, Steven G. Hallett, and William G. Johnson, Purdue University, West Lafayette.

Grad Student Contest - Agronomic Crops



***M. Joy M. Abit
Kansas State
University***



***Calvin F. Glaspie
Michigan State
University***

Paper First Place.

Quizalofop Efficacy on Acetyl-Coenzyme A Carboxylase Resistant Grain Sorghum as Affected by Application Rate and Timing. M. Joy M. Abit*, Kassim Al-Khatib, Phillip W. Stahlman, Patrick W. Geier, Kansas State University, Manhattan, Manhattan, Hays and Hays.

Paper Second Place.

Tolerance of potato mini-tubers to pre and post herbicide applications. Calvin F. Glaspie*, Wesley J. Everman, Christopher M. Long and Andrew J. Chomas, Michigan State University, East Lansing.

NCWSS Student Awards Contest 2010

Grad Student Contest - Herbicide Physiology



***Calvin F. Glaspie
Michigan State
University***



***Rachel K. Bethke
Michigan State
University***

Poster First Place.

Persistence and Efficacy of Flumioxazin as Affected by Soil Organic Matter, Clay Content and Soil pH. Calvin F. Glaspie*, Wesley J. Everman, and Andrew J. Chomas, Michigan State University, East Lansing.

Poster Second Place.

Absorption and Translocation of Glyphosate and Chlorimuron in a Tank Mix. Rachel K. Bethke*, Wesley J. Everman, and Donald Penner, Michigan State University, East Lansing.

Grad Student Contest - Corn & Sorghum / Soybean / Cereals & Sugar Beet



***Alexander J. Lindsey
Michigan State
University***



***Kelly A. Barnett
Michigan State
University***

Poster First Place.

Herbicide Combinations for Weed Control in Glyphosate Resistant Alfalfa. Alexander J. Lindsey*, Andrew J. Chomas, Wesley J. Everman, and Steven A. Gower, Michigan State University, East Lansing; The Monsanto Company, St. Louis, MO.

Poster Second Place.

Does Glyphosate Influence Management of Rhizoctonia Crown and Root Rot in Glyphosate-Resistant Sugarbeet? Kelly A. Barnett*, Christy L. Sprague, William W. Kirk, and Linda E. Hanson, Michigan State University, East Lansing; USDA-ARS, East Lansing, MI.

Grad Student Contest - Equipment Application / Invasive / Weed Ecology / Horticulture



***Jason Waite
Kansas State
University***



***Chad M. Herrmann
Michigan State
University***

Poster First Place.

Kochia Differential Response to Glyphosate. Jason Waite* and Kassim Al-Khatib, Kansas State University, Manhattan.

Poster Second Place.

Preemergence Weed Control in Onion with Pendimethalin, Flumioxazin, Ethofumesate, Dimethenamid-p, S-metolachlor, Acetochlor, and Propachlor. Chad M. Herrmann* and Bernard H. Zandstra, Michigan State University, East Lansing.

NCWSS Student Awards Contest 2010

Undergraduate Poster



Mathew J. Hardebeck
Purdue

Poster Under Graduate

Simulated Dicamba Drift on a Low Soybean Plant Population Soybean. Matthew J. Hardebeck, Andrew P. Robinson and William G. Johnson, Purdue University, West Lafayette, IN

Recipient of the Hyatt NCWSS Annual Meeting Scholarship



Jared Roskamp - University of Illinois

NCWSS

NCWSS Resolutions for 2009 Resolutions and Necrology Committee Patrick Tranel, Chair

NCWSS

- RESOLUTION ON:** The Hotel Meeting Facility for the 64th 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 Science Society in session at Kansas City, MO, December 7-10, 2009 for the 64th Annual Meeting commends the Hyatt Regency Crown Center management and staff for their outstanding efforts in providing the Society with excellent meeting facilities and arrangements.

- RESOLUTION ON:** Local Arrangements Committee for the 64th 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 John Wollam and other members of the Local Arrangements Committee have fulfilled all their responsibilities in an exemplary manner;

NCWSS Resolutions for 2010

THEREFORE BE IT

RESOLVED that the North Central Weed Science Society in session at Kansas City, MO, December 7-10, 2009 for the 64th Annual Meeting commends John Wollam 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 and Undergraduate Student Poster Judges for the 64th 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 Undergraduate Poster Contest; and

WHEREAS the judges selected for the Graduate Student Paper and Poster

Contests, and Undergraduate Poster Contest for the 64th Annual Meeting fulfilled their obligations and responsibilities with dedication and commitment;

THEREFORE BE IT

RESOLVED that the North Central Weed Science Society in session at Kansas City, MO, December 7-10, 2009 for the 64th Annual Meeting commends the judges of the Graduate Student Paper and Poster Contests, and Undergraduate Poster Contest 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 ABG AG Services near Sheridan, IN provided an excellent environment; and

WHEREAS the Summer Contest Host Fritz Koppatschek, Contest Coordinator Jay Dewesse, and the staff of ABG AG Services 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 Science Society in session at Kansas City, MO, December 7-10, 2009 for the 64th Annual Meeting commends Fritz Koppatschek, Jay Dewesse, and the staff of ABG AG Services for their outstanding efforts and hard work in providing the Society with an excellent facility and a well run and educational Weed Science Contest.◊

News from CAST

CAST is a nonprofit 501 (c)(3) organization composed of scientific societies and many individual, student, company, nonprofit, and associate members. The primary work of CAST is the publication of task force reports, commentary papers, special publications, and issue papers written by scientists from many disciplines.

CAST expresses appreciation for all those who help "get the word out" on CAST's fact-based agricultural information, specifically those involved in the recently published Issue Paper, [***Agricultural Productivity Strategies for the Future: Addressing U.S. and Global Challenges.***](#) This timely Issue Paper includes a preface from Dr. Norman E. Borlaug and has been prepared as an update of CAST Paper No. 1, written by Dr. Borlaug in 1973. The authors of the current paper address (1) future demands facing agriculture; (2) the relationship of bioenergy and bioproducts to agriculture; (3) major issues impacting future U.S. agricultural productivity; (4) major issues facing agricultural productivity in other parts of the

world; (5) strategies to meet future food needs; and (6) examples of research areas that could enable the next "Green Revolution." The authors question the commitment by the United States and many other countries for support of agricultural research and indicate the far-reaching impact that such research, education, and resulting technology--or lack thereof--will have on the nation and the world. Chair: Gale Buchanan, College of Agricultural and Environmental Sciences, The University of Georgia, Tifton Campus.

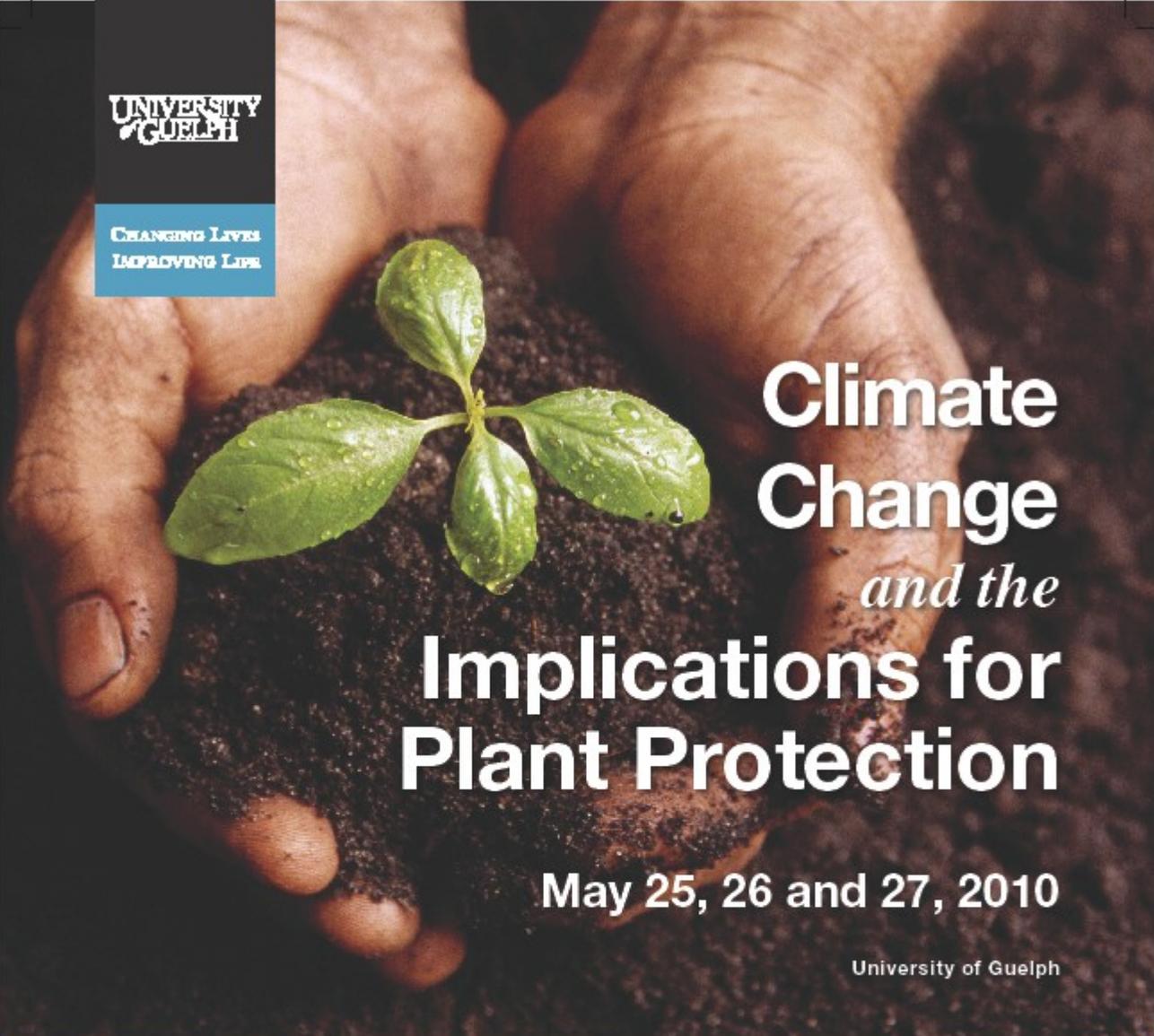
A copy of this paper can be downloaded at: <http://www.cast-science.org/publications.asp>

Duane Rathmann
NCWSS CAST Representative



UNIVERSITY
OF GUELPH

CHANGING LIVES
IMPROVING LIVES



Climate Change *and the* Implications for Plant Protection

May 25, 26 and 27, 2010

University of Guelph

The Science, The Impacts, and The Options

The *Climate Change and the Implications for Plant Protection* symposium explores the impact of climate change on the global agriculture industry. Leading researchers from around the world will share cutting-edge scientific research on

- The real and urgent issues facing the global agriculture industry today.
- The potential impacts of climate change on agricultural pests, pathogens and weeds.
- Ways to mitigate and adapt to the inevitable changes facing the industry.

Join this three day symposium for an update on the current state of climate change, the impact on crop protection and options for mitigation and adaptation.

For More Information and To Register, Visit: www.cropprotection.open.uoguelph.ca

Office of Open Learning
Room 160 Johnston Hall
University of Guelph
Guelph Ontario Canada
N1G 2W1

Phone:
519-767-5000

Email:
Info@open.uoguelph.ca

Climate Change Symposium Committee:



*The School of
Environmental
Sciences*

Plant Agriculture



Obituaries

Dr. John "Jack" May

Dr. John "Jack" May passed away on Friday Feb. 26, 2010. He had been in the hospital or in a care facility since Dec. 8, 2009. I have attached the obituary that he wrote himself. We will also be making a digital obituary very soon where you will be able to sign a guest book and leave any comments or stories. If you have any questions or would like notifications when the obituary site is up please contact me by email at coryabel@gmail.com.

John (Jack) May, 79, passed away peacefully on Friday, Feb. 26, 2010. He was born and raised on a cattle ranch near Steamboat Springs CO. He was the youngest of five siblings born to Fred and Anna May. His surviving sisters, Frances Dorr-Wheeler and Helen Stonebrink, and other relatives reside at Fruita, CO.

Starting in a one-room school called Fly Gulch, Jack continued his education in Steamboat Springs where he was five times elected president of his class. He graduated student body president in 1949 from Steamboat High School. He went on to earn an AS from Mesa College, where he was V.P. of the Student Body and met his future wife, Alma Jean Tourney. Jack and Alma were married at Cal Poly, San Dimas, CA. in 1952 and returned to Steamboat Springs to ranch on the Elk River for eight years. While ranching, Jack was very active in the Colorado Cattleman's Association. Aside from being an expert fly fisherman, Jack enjoyed trout fishing and hunting mule deer and elk.

Jack returned to college, Colorado State University, in 1960. He was involved in student affairs at CSU and was a member of the Ag Council, several Ag Science fraternities (Alpha Tau Alpha, Alpha Zeta, and Sigma Zi) as well as Phi Beta Kappa and Phi Kappa Phi. He earned his Ph.D. in Plant Physiology and was an assistant professor at CSU until he graduated in 1968.

After completing his Ph.D., Jack and family moved to St. Louis, MO, where he worked for eight years in R&D covering the mid-western states at Shell Development Company. He did technical support for Shell in several states before moving to Shell's Biological Research Center in Modesto, CA as the coordinator for new herbicide development. His work there with Shell allowed him to travel extensively throughout the southeastern states and abroad, to England and South America on special assignments. In 1986, Shell sold their agricultural business to DuPont, so Jack and Alma moved to Maryland where he was the herbicide development manager. They returned to CA where he managed a research facility in Fresno. After retiring from DuPont in 1990 he worked as a consultant for Western Farm Service for 14 years, retiring again in 2004. Jack will be remembered by his peers as "Cowboy" because he wore western clothes, boots, and hat throughout his professional career. He leaves his loving wife, Alma T. May; two sons Sandford W. "Sam" May, Astoria, OR and John M. May, St. Louis, MO; two daughters Mary E. May, Los Osos, CA and Jennifer L. Bosso, Santa Barbara, CA. He

also leaves his six grandchildren, five great-grand children, and numerous nieces and nephews.

Contributions may be made in memory of John W. May to the National Kidney Foundation: 30 E 33rd Street NY, NY 10016 or to Hospice Partners of the Central Coast in San Luis Obispo, CA.



Jack Best

Jack Arnold Best, 62, Cedar Rapids died Wednesday, December 30, 2009 in his home after a short illness. A memorial service will be held at Teahen Funeral Home Thursday, January 14 at 1 p.m. Friends may visit at the funeral home Thursday after 12:30 p.m. Reverend Joe Kane will preside.

**Born on Monday,
August 04, 1947
Died on
Wednesday,
December 30,
2009
and resided in
Cedar Rapids, IA**

Jack was born on August 4, 1947 in North Carolina. Jack was the son of Jack W. Best and Myrtle Best.

Survivors include his daughter Amanda Best of California, his mother Myrtle Best of Elizabeth

City, North Carolina, his sister Linda Curtis of Raleigh, North Carolina. Also surviving are his two nephews Thomas Cherry and wife Becky of Pennsylvania and Joseph Neizer of Raleigh, North Carolina.

Jack was preceded in death by his father Jack Wallace Best in 2003 and his son Christopher Best in 1987.

Jack received his undergraduate and his Ph.D in chemistry from North Carolina State University. Jack worked at BASF, he retired in 2003 after working for BASF for 30 years. He traveled extensively for BASF including China where he purchased paintings which are on display at Jiamen restaurant in Cedar Rapids.

Jack was extremely generous. He had a tree planted at Ellis Golf Course for his friend, Gary Schirm. He also gave one of his favorite golf pictures to Dustin Miller, golf pro at Ellis Golf Course. Jack was very competitive. He liked to play golf and bowl for small wagers. Just ask his many friends he knew at Ellis Golf Course.

In retirement, Jack enjoyed golfing, reading, photography, nature, music, feeding the birds, his wildflowers and yard. One of Jack's favorite sayings was "Life is good".

The family and friends wish to extend a special thanks to Home Instead Senior Care and Mercy Hospice for the loving and compassionate care they gave Jack. He enjoyed being in his house sitting in his chair smoking his pipe and being around nature.

People and Places

The University of Nebraska-Lincoln is excited to announce the recent hire of two new faculty at the West Central Research and Extension Center in North Platte, NE.



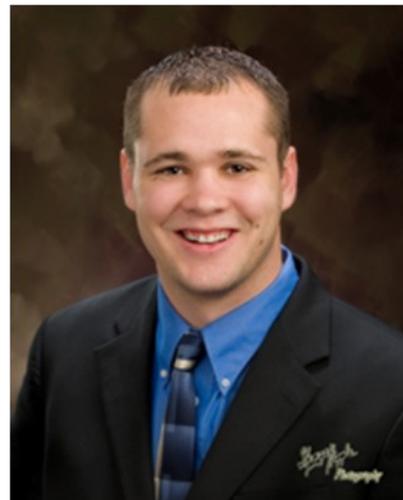
Steve Young

West Central R & E
Center
402 West State Farm
Road
North Platte 69101-
7751
Work (308) 696-6712
syoung4@unl.edu
[Young Web site](#)

Steve Young is an Assistant Professor of Agronomy and Extension Weed Ecologist. His research and extension work will focus on several areas of weed control:

- Weed competition in cropping systems with limited water
- Invasive plant species in riparian areas, surface waterways, and other non-crop areas
- Ecology of invasive plant species and mechanisms of invasiveness
- Ecosystem services associated with agricultural and managed systems
- Integrated pest management techniques, including automation, GIS and geo-spatial technologies

Young earned a B.S. in horticulture from Washington State University in Pullman, Wash. During his M.S. in plant science from the University of Idaho in Moscow he researched weed control timing in sugarbeet. Young completed his Ph.D. in soil science from the University of California at Davis. His doctoral research examined how restored native plant communities were able to resist invasion by yellow starthistle. He also researched various options for controlling roadside vegetation. Most recently, Young's post-doctoral research at the Washington State University Center for Precision Agricultural Systems focused on the effects of biofuel crop production on below-ground soil processes, including carbon and nitrogen cycles.



Greg Kruger

West Central R&E
Center
402 West State Farm
Road
North Platte 69101-
7751
Work (308) 696-6715
gkruger2@unl.edu
[Kruger Web site](#)

Greg Kruger is an Assistant Professor of Agronomy and Extension Cropping Systems Specialist. Kruger will be focusing on sustainable crop production and management systems as they relate to limited rainfall production systems, biotechnology, pest management, and other production factors. Specific areas of research and extension will include:

- How new crop technologies offering drought-resistant herbicides, herbicide resistance, insect resistance, disease resistance can best be utilized for conditions in west central Nebraska.
- The variety and hybrid testing program
- Improvements in row spacing, seeding density, and general agronomic practices.
- Interaction between pest management strategies, e.g., when treatments are combined, some may have an additive effect while others are synergistic or antagonistic.

Kruger earned his B.S. degree from Ohio State University with a major in agricultural and applied economics. He went on to Purdue University where he studied resistance in soybean to root-knot nematodes and received an M.S. degree in plant pathology. Kruger's Ph.D. work at Purdue focused on herbicide resistance in marestail (horseweed), a problem in Nebraska as well. He looked at potential glyphosate, ALS-inhibiting, dicamba, and 2-4,D resistance. He found that plants evolved resistance to either glyphosate or ALS-inhibitors, but usually not both, even though many plants have been exposed to both.



A big thanks to Bob Schmidt

At the end of 2009, Bob Schmidt retired from his job as Executive Secretary of the NCWSS and SWSS. Bob served NCWSS from 1977 until 2009. He was responsible for the day to day business activities of NCWSS that took place behind the scenes. In addition some of the more visual activities included the following:

- 1) For many years, Bob was the individual that wrote the checks for graduate students in recognition of winning 1st or 2nd place for the poster or oral paper contest. Bob was always meticulous for detail like spelling student names, and

this process of writing checks was always a last minute harried affair, since the time between selecting winners and awarding checks was often only several hours.

- 2) Bob understands the processes needed to run the annual meeting, registration and the banquet. He was the one who tried to guess how many plates we needed to set aside for the Wednesday night banquet. Many of us have taken a number of statistics courses, but no one was like Bob in using his "gut feeling" and guessing how many plates were needed without leaving someone hungry. Once Bob knew the number of people registered for a meeting, he could tell you within 5% (significant

P level) how many would show up at the banquet.

- 3) Registration for the meeting was a very busy process. Bob was there to answer all the hard questions and find missing packets. He always handled this hectic job with precision and courtesy.
- 4) Bob has great institutional knowledge of the NCWSS operations. This provided continuity as the board changed from year to year and over the years of the society. He understands the operational history of the society. This resulted in significant operational savings to the society in negotiating with various suppliers and vendors. His understanding of membership trends aided in planning the annual meeting and keeping costs within budget. Lastly, his understanding of why decisions were made and the background of those decisions were helpful when policies needed to be changed.

Despite never being able to see Bob in an actual weed science talk, we always considered Bob one of "us" in the weed science community. He truly "served" our society and often went above and beyond to make sure meeting participants felt welcome. His dry sense of humor was also very intriguing. We truly appreciate his years of service to NCWSS and wish him well in retirement.

Thanks Bob.

**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**

Position Announcements

Assistant Professor in Crop Science 9 month, tenure track

The University of Wisconsin-River Falls, a member of the University of Wisconsin System

POSITION SUMMARY: The University of Wisconsin-River Falls, a member of the University of Wisconsin System, is located 30 miles from the Twin Cities of Minneapolis-St. Paul in scenic west central Wisconsin. Year-round art, cultural and recreational events are easily accessible. UWRF's 6500 undergraduate and graduate students pursue degrees in four colleges: Arts and Sciences; Education and Professional Studies; Agriculture, Food and Environmental Sciences; and Business and Economics. The University provides an excellent environment for learning, emphasizing the importance of faculty-student interaction in classrooms, laboratories, academic advising, and co-curricular activities. A favorable student-faculty ratio affords opportunity for meaningful interchange between faculty and students. Strong interests in teaching and research as well as professional and community service are highly valued.

POSITION RESPONSIBILITIES: The principal responsibilities of this full-time 9-month, tenure track faculty position will involve teaching undergraduate introductory and advanced courses in crop science, including Plant and Seed Identification, Weed Control, Integrated Pest Management, Sustainable Agriculture, Organic Production Systems and others as assigned. Responsibilities also include student advising, coaching the intercollegiate crops judging team and assisting with the Crops and Soils Club; participating in professional activities, as well as university and community service, and other duties as assigned. In addition, the University expects program-related scholarly activity, defined as research, scholarship or creative endeavor. The normal teaching load is equivalent to 12 credits per semester. Opportunities exist for summer employment on a year-to-year basis. This position reports to Chair of the Department of Plant and Earth Science.

QUALIFICATION: Completed doctorate by appointment date in agronomy, crop science, plant science or a closely related field with expertise in sustainable agriculture and/or crop protection. Familiarity with Midwest United States agriculture. Ability to teach the courses noted in the Position Responsibilities, as well as the ability to update existing courses and/or develop new courses. Ability to interact effectively with students, professional colleagues, and members of the extended community. Willingness to help facilitate undergraduate research endeavors, internships and extracurricular activities. Ability to facilitate the learning of practical applications in the discipline to help ensure readiness of students for internships and graduates for employment. Ability to work effectively in a team environment as well as the ability to work independently to achieve University, College and Departmental Goals. Ability to establish and maintain effective working relationships with individuals from diverse backgrounds and abilities. College teaching experience strongly preferred.

CONTACT INFORMATION:

Department of Plant and Earth Science · College of Agriculture, Food and Environmental Sciences
Recipient of the UW Regents Teaching Excellence Award
Phone: (715) 425-3345 · Fax: (715) 425-3785 · pes@uwrf.edu

Position Announcements

Graduate Assistantship Mississippi State University Starkville, MS

JOB TITLE: Graduate Assistantship

POSITION DESCRIPTION: Graduate Research Assistantship. Funding is provided by a Specialty Crop Research Initiative with an emphasis on multi-disciplinary, multi-state collaboration. Field and/or greenhouse studies will focus on timing of herbicide applications in relation to sweetpotato root initiation as a function of environment and cultural practice. Laboratory experiments will characterize herbicide translocation and partitioning in the sweetpotato plant.

RESPONSIBILITIES: The successful candidate will; Communicate with academia, state and federal agencies, industry, growers, and consultants. Prepare a research proposal for thesis or dissertation. Conduct field, greenhouse and laboratory research according to proposed objectives. Collect, analyze, and interpret results in reports, presentations, and publications. Outline curriculum and research timetables to meet deadlines and commitments.

QUALIFICATIONS: Candidate must hold a BS, or preferred MS degree in a plant science discipline with a minimum GPA of 3.0. Be willing to travel and conduct research during summer months. Display excellent work ethic and personal integrity. Proficient in the English language (written and oral). Ability to work independently and as part of a diverse group of people. Display the motivation and desire to understand dynamic bio-chemical interactions relative to plant growth through scientific research.

DESCRIPTION OF LOCATION: The Starkville community is located in northeast Mississippi and is surrounded by the enthusiasm and energy of Mississippi State University. The area provides all the intellectual, cultural, and recreational advantages of a large urban setting in a more cohesive town-university community. More information can be found at <http://msstate.edu> or at <http://msucare.com>

COMPENSATION: Salary: \$16,000 / \$18,000 (MS / PhD) Benefits: Tuition waived.

AVAILABILITY: Closing date of competition: Until suitable candidate is found. Date position available: Spring/Summer 2010

APPLICATION PROCEDURE: Submit a letter of interest describing career goals and research interests, resume, and three letters of reference..

SUBMIT TO:

Dr. Mark Shankle
Mississippi State University
Pontotoc Ridge-Flatwoods Branch
8320 Hwy 15 South
Pontotoc, MS 38863
e-mail: shankle@ra.msstate.edu

**North Central Weed Science Society
Board and Committee Members 2010**

I. NCWSS Board of Directors

Officers

President	Chris Boerboom	701-231-7171	chris.boerboom@ndsu.edu
President Elect	Mark Wrucke	651-463-3365	mark.wrucke@bayercropscience.com
Vice President	Bryan Young	618-453-7679	bgyoung@siu.edu
Past President	Mick Holm	608-231-9961	mick.f.holm@usa.dupont.com
Secretary/Treasurer	Christy Sprague	517-355-0271	sprague1@msu.edu
Editor-Proceedings	Robert Hartzler	515-294-1923	hartzler@iastate.edu
Editor-Communications	Harlene Hatterman-Valenti	701-231-8536	h.hatterman.valenti@ndsu.edu
WSSA Representative	Kevin Bradley	573-882-4039	bradleyke@missouri.edu
CAST Representative	Duane Rathmann	507-835-2580	duane.rathmann@basf.com
Exec. Secretary (Ex. Off.)	Phil Banks	575-527-1888	ncwss@marathonag.com
Dir. Science Policy (Ex. Off.)	Lee Van Wychen	202-746-4686	Lee.VanWychen@wssa.net

Directors at Large

Extension	Mark Bernards	402-472-1534	mbernards2@unlnotes.unl.edu
Graduate Student	Andrew Robinson	765-496-6690	arobinson@purdue.edu
Industry	Ryan Tichich	636-737-6807	ryan.p.tichich@monsanto.com
Resident Education	John Linquist	402-472-2771	jlinquist@unl.edu
Long Range Planning			
Central (2011)	David Thomas	217-722-3916	dave.thomas@syngenta.com
Eastern (2010)	Dain Bruns	614-767-0236	dain.bruns@syngenta.com
Western (2011)	Brian Jenks	701-857-7677	brian.jenks@ndsu.edu

II. NCWSS Interest Group Committees

Long Range Planning, Organizational Affairs and Membership

	Chair		
Dale Shaner	Colorado (2012)	970) 492-7414	dale.shaner@ars.usda.gov
David Thomas	Illinois (2011)	217-722-3916	dave.thomas@syngenta.com
David Hillger	Indiana (2012)	614-633-7069	dehillger@dow.com
Dean Grossnickle	Iowa (2011)	515-294-7060	deang@iastate.edu
Patrick Geier	Kansas (2010)	785-625-3425	pgeier@ksu.edu
Glen Murphy	Kentucky (2012)	502-365-4888	glen.p.murphy@monsanto.com
Gary Powell	Michigan (2010)	517-355-0271	powellg@msu.edu
Liz Stahl	Minnesota (2011)	507-372-3912	stah0012@umn.edu
Kent Woodall	Missouri (2012)	816-781-9191	tkwoodall@riw2000.com
Mark Bernards	Nebraska (2010)	402-472-1534	mbernards2@unl.edu
Brian Jenks	North Dakota (2011)	701-857-7677	brian.jenks@ndsu.edu
Dain Bruns	Ohio (2010)	614-767-0236	dain.bruns@syngenta.com
Nader Soltani	Ontario (2011)	519-674-1604	nsoltani@ridgetownc.uoguelph.ca
Trevor Dale	South Dakota (2012)	605-929-9753	trevor.dale@valent.com
Jed Colquhoun	Wisconsin (2010)	608-890-0980	colquhoun@wisc.edu
Calvin Otero	Wyoming (2011)	307-766-3112	odero@uwyo.edu

Extension

Mark Bernards	Chair	402-472-1534	mbernards2@unl.edu
Wes Everman	Vice Chair	517-355-0271	everman@msu.edu
Jeff Stachler		701-231-8131	jeff.stachler@ndsu.edu
Mike Moechnig		605-688-4591	michael.moechnig@sdstate.edu
Chris Boerboom		701-231-7171	chris.boerboom@ndsu.edu
Christy Sprague		517-355-0271	sprague1@msu.edu
Jeff Gunsolus		612-625-8130	gunso001@umn.edu
Kevin Bradley		573-882-4039	bradleyke@missouri.edu
Robert Hartzler		515-294-1923	hartzler@iastate.edu

Mike Owen		515-294-5936	mdowen@iastate.edu
Bill Johnson		765-494-4656	wgj@purdue.edu
Lowell Sandell	Past Chair	402-472-1527	lsandell2@unl.edu

Graduate Student

Andrew Robinson	Chair	765-496-6690	arobinson@purdue.edu
Alex Lindsey	Vice Chair	517-256-0836	lindse38@msu.edu
Jason Parrish		440-225-4831	parrish.174@osu.edu
Laura Bast		614-905-1039	bastlaur@msu.edu
Sam Wortman		402-981-8037	sam.wortman@huskers.unl.edu
Chad Brabham		618-610-2723	cbrabham@purdue.edu
Nick Hustedde		618-978-2268	nhustdde@siu.edu
Chenxi Wu		515-203-1761	chxwu@iastate.edu
Justin Petrosino	Past Chair	419-681-3427	jspetro@ksu.edu

Industry

Ryan Tichich	Chair	636-737-6807	ryan.p.tichich@monsanto.com
Dave Saunders	Vice Chair	515-992-3112	david.w.saunders@usa.dupont.com
Brent Petersen		320-230-4081	brentpetersen@charter.net
Mark Peterson		765-463-7788	mapeterson@dow.com
Dave Johnson		515-727-7234	david.h.johnson@pioneer.com
John Willis		937-418-5667	john.b.willis@monsanto.com
Aaron Waltz		608-758-3468	aaron.waltz@pioneer.com
Nick Vandervort		563-547-3827	nvandervort@gowanco.com
Greg Dahl		651-490-4246	gkdahl@landolakes.com
Stott Howard		515-222-4809	stott.howard@syngenta.com
Gary Schmitz		217-897-1939	gary.schmitz@basf.com
John Hinz		515-733-9250	john.hinz@bayercropscience.com
Leslie Lloyd	Past Chair	641-792-3009	leslie.lloyd@monsanto.com

Resident Education

John Lindquist	Chair	402-472-2771	jindquist1@unl.edu
Brady Kappler	1st Vice Chair	402-432-1469	brady.kappler@basf.com
Fritz Koppatschek	2nd Vice Chair	317-415-0553	fkoppatschek@abgaservices.com
Anita Dille		785-532-7240	dieleman@ksu.edu
Eric Scherder		515-597-2660	efscherder@dow.com
Tate Castillo		785-213-8979	tate.castillo@bayercropscience.com
Doug Nord		620-285-3380	dwnord@gbta.net
Jeff Stachler		701- 231-8131	jeff.stachler@ndsu.edu
Jess Spotanski		402-366-9230	jess_spotanski@mainstaycomm.net
Helen Flanigan		317-862-0578	helen.a.flanigan@usa.dupont.com
Jeff Stachler		701-231-8131	jeff.stachler@ndsu.edu
Andrew Robinson		765-496-6690	arobinson@purdue.edu
Jason Parrish		440-225-4831	parrish.174@osu.edu
John Hinz	Past Chair	515-733-9250	john.hinz@bayercropscience.com

Contest Rules Subcommittee of Resident Education

John Lindquist	Chair	402-472-2771	jindquist1@unl.edu
Brady Kappler	1st Vice Chair	402-432-1469	brady.kappler@basf.com
Fritz Koppatschek	2nd Vice Chair/Past Host	317-415-0553	fkoppatschek@abgaservices.com
Doug Nord		620-285-3380	dwnord@gbta.net
Jess Spotanski		402-366-9230	jess_spotanski@mainstaycomm.net

Summer Contest Subcommittee of Resident Education

Jed Colquhoun	Chair and Host	608-890-0980	colquhoun@wisc.edu
John Lindquist	Chair, Res. Ed.	402-472-2771	jindquist1@unl.edu

Brady Kappler	Ist Vice Chair, Res. Ed.	402-432-1469	brady.kappler@basf.com
Fritz Koppatschek	2nd Vice Chair/Past Host	317-415-0553	fkoppatschek@abgaservices.com
Andrew Robinson		765-496-6690	arobinson@purdue.edu
Mark Renz		608-263-7437	mrenz@wisc.edu
Anita Dille		785-532-7240	dieleman@ksu.edu

NCWSS Standing Committees

Distinguished Achievement Award

Mick Holm	Chair	608-231-9961	mick.f.holm@usa.dupont.com
Dane Bowers		765-452-2797	dane.bowers@syngenta.com
Mike Owen		515-294-5936	mdowen@iastate.edu
Jan Michael		517-655-6219	michae42@msu.edu
Dennis Belcher		573-814-3331	dennis.belcher@basf.com
Roger Becker		612-625-5753	becke003@umn.edu
Bill Johnson	Past Chair	765-494-4656	wgj@purdue.edu

Electronic Communications Committee

Glenn Nice	Chair	765-496-2121	gnice@purdue.edu
Harlene Hatterman-Valenti	Vice Chair	701-231-8536	h.hatterman.valenti@ndsu.edu
Eric Spandl		651-490-4292	epspandl@landolakes.com
Mark Bernards		402-472-1534	mbernards2@unl.edu

Fellow Committee

Mike Owen	Chair	515-294-5936	mdowen@iastate.edu
Dain Bruns	Vice Chair	614-767-0236	dain.bruns@syngenta.com
J.D. Green		859-257-4898	jdgreen@uky.edu
Michael Horak		314-694-3476	michael.j.horak@monsanto.com
Duane Rathmann		507-835-2580	duane.rathmann@basf.com
Richard Zollinger		701-231-8157	r.zollinger@ndsu.edu
Adrian Moses		515-689-7451	adrian.moses@syngenta.com
Eric Spandl		651-490-4292	epspandl@landolakes.com
Phil Stahlman	Past Chair	785-625-3425	stahlman@ksu.edu

Finance Steering and Policy Committee

Christy Sprague	Chair	517-353-0271	sprague1@msu.edu
Harlene Hatterman-Valenti	Vice Chair	701-231-8536	h.hatterman.valenti@ndsu.edu
J.D. Green		859-257-4898	jdgreen@uky.edu
Mark Wood		316-755-7760	mark.l.wood@monsanto.com
Kelly Nelson		660-739-4410	nelsonke@missouri.edu
Bill Johnson		765-494-4656	wgj@purdue.edu
Alan Miller		608-845-7993	amagstat@tds.net
Greg Kruger		308-696-6715	gkruger2@unl.edu
Phil Banks	Executive Secretary	575-527-1888	ncwss@marathonag.com

Future Site Selection Committee

Charles Slack	Chair	859-259-1914	cslack@uky.edu
Mick Holm	Past President	608-231-9961	mick.f.holm@usa.dupont.com
John Wollam		816-880-3820	john.wollam@bayercropsciences.com
Kirk Howatt		701-231-7209	kirk.howatt@ndsu.edu
David Simpson		317-337-3959	dmsimpson@dow.com

Local Arrangements: 2010 Hyatt Rgency, Lexington

Charlie Slack	Chair	859-257-5020	cslack@uky.edu
John Wollam	Past Chair	816-242-0361	john.wollam@bayercropsciences.com
Mark Wrucke	Program Chair	651-463-3365	mark.wrucke@bayercropscience.com
Phil Banks	Executive Secretary	575-527-1888	ncwss@marathonag.com

Nominating Committee

Jeff Gunsolus	Chair	612-625-8130	gunso001@umn.edu
Peter Sikkema		519-674-1603	psikkema@ridgetownc.uoguelph.ca
Gary Finn		317-337-4781	gafinn@dow.com
Stott Howard		515-222-4809	stott.howard@syngenta.com
Jan Michael		517-655-6219	michea42@msu.edu
Karen Renner		517-355-0271	renner@msu.edu
Brent Neuberger		515250-2566	brent.neuberger@fmc.com
Dallas Peterson	Past Chair	785-532-0405	dpeterso@ksu.edu

Program Committee

Mark Wrucke	Chair	651-463-3365	mark.wrucke@bayercropscience.com
Bryan Young	Vice Chair	618-453-7679	bgyoung@siu.edu
Charles Slack	LAC	859-259-1914	cslack@uky.edu
Christy Sprague	Secretary/Treasurer	517-355-0271	sprague1@msu.edu
Robert Hartzler	Editor - Proceedings	515-294-1923	hartzler@iastate.edu
Duane Rathmann	CAST	507-835-2580	duane.rathmann@basf.com
John Lindquist	Resident Education	402-472-2771	jlindquist1@unl.edu
Mark Bernards	Extension	402-472-1534	mbernards2@unl.edu
Andrew Robinson	Graduate Students	765-496-6690	arobinson@purdue.edu
Ryan Tichich	Industry	636-737-6807	ryan.p.tichich@monsanto.com
Byron Sleugh	Chair	515-226-2165	bbsleugh@dow.com
Kevin Bradley	WSSA	573-882-4039	bradleyke@missouri.edu
Chris Boerboom	President (ex officio)	608-262-1392	boerboom@wisc.edu

Resolutions and Necrology Committee

Kirk Howatt	Chair	701-231-7209	kirk.howatt@ndsu.edu
Aaron Hager	Vice Chair	217-333-4424	hager@illinois.edu
Tom Bauman		765-494-4625	tbauman@purdue.edu
Donald Penner		517-355-0271	pennerd@msu.edu
Pat Tranel	Past Chair	217-333-1531	tranel@illinois.edu

Invasives Plants Committee

Byron Sleugh	Chair	515-226-2165	bbsleugh@dow.com
Reid Smeda	Vice Chair	573-882-1329	smedar@missouri.edu
Jim Harbour		402-219-3863	james.d.harbour@usa.dupont.com
Kevin Gibson		765-496-2161	kgibson@purdue.edu
Roger Becker		612-625-5753	becke003@umn.edu
Bob Masters		317-337-4281	ramasters@dow.com
Mark Renz	Past Chair	608-263-7437	mrenz@wisc.edu

Section Program Chairs

General Program

Mark Wrucke	Program Chair	651-463-3365	mark.wrucke@bayercropscience.com
-------------	---------------	--------------	----------------------------------

Poster Session

Ryan Lins	Chair	507-251-5524	ryan.lins@syngenta.com
Jerry Hora	Vice Chair	563-662-5013	jerry.hora@bayercropscience.com
Helen Flanigan		317-862-0578	helen.a.flanigan@usa.dupont.com
Dave Ruen		507-467-2375	dcruen@dow.com
JD Green		859-257-4898	jdgreen@uky.edu
Jeff Stachler		701-231-8131	jeff.stachler@ndsu.edu

Graduate Student Paper Awards

Brady Kappler	Chair	402-432-1469	brady.kappler@basf.com
---------------	-------	--------------	------------------------

