

# NCWSS • News

North Central Weed Science Society

Vol 28, Number 1, Spring 2011

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

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## From Your 2011 President - Mark Wrucke



**Mark Wrucke - 2011 NCWSS President**

It is an honor and a privilege to serve as president of the North Central Weed Science Society. I remember attending my first NCWSS meeting as a graduate student and being in awe of the number of people working in weed science and the willingness of members to volunteer to work to make the society an active and vital meeting. Many things have changed since that first meeting; most notable is that we are a much smaller society. One thing that hasn't changed, however, is the willingness of members to continue to work to make the NCWSS a dynamic organization which provides research, education and training to those involved in weed management. Our membership has stabilized and the society

has adapted to become more inclusive of other groups and new technology. If you have suggestions on other changes and new ways to make the society even more effective, please provide them to me or your state director.

## Reflections on the 2010 Conference

Our meeting in Lexington, KY was a success due to the effort of many individuals, despite some challenging weather conditions which delayed arrivals and extended some stays. We had 360 registered attendees which is up somewhat from the previous year. Charlie Slack, Sara Carter and all the members of the local arrangements committee did an outstanding job of ensuring that everything flowed like clockwork in this excellent facility. The general session featured several speakers with a keynote address on the 50 year history of triazine herbicides by Janis McFarland together with Chuck Foreman and David Bridges. Lee Van Wychen provided an update on his activities in Washington and some of the pressing issues of interest for our members. This was the first year using the new Title/Abstract Submission software to register papers and posters and help in development of the program. There were over 90 submitted papers and 72 posters at this years meeting. The student contest consisted of 32 oral presentations and 31 posters. Congratulations to our students on the high quality papers and posters. The meeting also featured four symposia.

- 1) More NCWSS Learning Store – Application and Adjuvant Symposium – organized by Bill Bagley and Greg Dahl
- 2) Cover Crops and Weed Management – organized by Anita Dille, Erin Taylor and George Kegode
- 3) What's New in Industry – organized by Terry Carmody and Adrian Moses

**The NCWSS Newsletter  
is Edited by Harlene  
Hatterman-Valenti,  
Arranged by Glenn Nice  
and Filled by it's Members**



North Central  
Weed Science Society

*Continued on next page*

## From Your President . . . Continued

- 4) 2,4-D – Past, Present and Future Status of One of the World’s Most Widely Used Herbicides – organized by Mark Peterson and David Simpson

Symposia have become some of the most popular sessions of this meeting. Please provide any suggestions or ideas for future symposia to Bryan Young as he prepares for the 2011 meeting.

The Board of Directors addressed a number of important issues affecting the society during their meetings:

- 1) One of the most important issues was the approval of the revisions and updates to the Manual of Operating Procedures for the NCWSS. Christy Sprague, Chris Boerboom, Bryan Young and numerous others have spent many hours working to update and improve this document. Many thanks for all their efforts.
- 2) A proposal was approved to update the NCWSS website and to contract with AgRenaissance to provide the update and maintenance of the website. These changes are nearly complete and should be available in the near future.
- 3) A special Thank You was extended to Glenn Nice for all his work over the past several years on numerous electronic communication issues. His service is greatly appreciated.
- 4) There was considerable discussion on other ways that the NCWSS can become involved with government agencies to advance weed science needs of the region. The Strategic Planning committee has taken on this challenge and will work to address in the future.

- 5) The Resident Education committee proposed providing support to student teams from the NCWSS region to attend the 2011 Weed Olympics to be held on July 26-27 at Knoxville, TN. The 2012 NCWSS Student Contest will be hosted by Doug Nord with Diamond Ag in Kansas.

Committees and Section Chairs assignments can be found in this newsletter and will soon be on the website. Please review the assignments and let me know if you find any mistakes in phone numbers or email addresses. The duties of each committee can be found in our Manual of Operating Procedures (also available on our website). Please review the assignments and contact the committee chair if you have questions about your committee or duties. Thank you for your willingness to serve. The future strength of our Society is dependent on the willingness of our members to be involved.

In closing, I would like to thank Chris Boerboom for his leadership over the past year as President of NCWSS. In addition I want to thank David Johnson for his willingness to serve as Vice-President and starting the presidential rotation. Finally, I want to thank Christy Sprague, Bryan Young and all other members of the Board for their effort and dedication to the Society. There is a lot of thankless work that goes on in the background and these volunteers are critical to the success of our society. Our Board welcomes all input and suggestions from members to help shape our Society. Please provide your input on potential symposia or changes that need to be considered. Thank you for your contributions. Have a great spring. It will be here before we know it. ◇

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## 65th Meeting of the North Central Weed Science Society - Chris Boerboom, Past President

The numbers don't lie. NCWSS Executive Secretary, Phil Banks reported that we had 360 people registered for the 2010 Annual Meeting, which was 45 more people than last year. That's a great statistic in many respects.

First, it speaks to the excellent program developed by Program Chair Mark Wrucke; the great assistance from the symposia coordinators and session chairs; the contributions of volunteer judges; and to the core strength of the annual meeting – the numerous volunteered paper and poster authors.

Second, it speaks to the outstanding coordination of the Local Arrangements Committee, headed by Charlie Slack. His committee was really well-prepared and had tasks done before requests were even made. Truly remarkable. The facilities and convenience at the Lexington Hyatt were also the best that I can recall. While I wish the temperatures could have been a bit warmer, the Kentucky hospitality made up the difference.

Third, it speaks to the continued value that the NCWSS has in sharing research, networking with peers, and developing the skills of the next generation



## 65th Meeting of the North Central . . . Continued



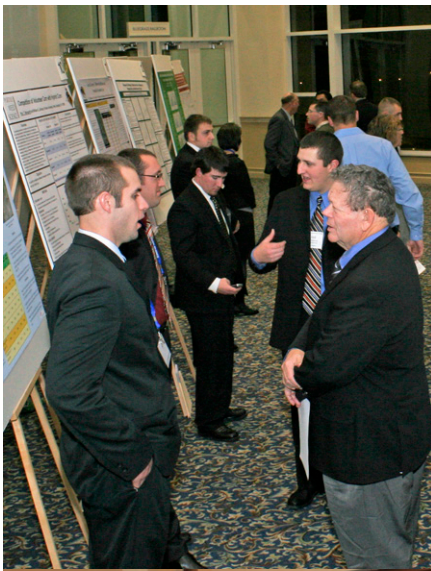
**Chris Boerboom - Past President**

of weed scientists. It certainly was within the realm of possibility of having a lower turnout for the meeting with the challenging economic conditions last year, but the needs for weed science in the North Central region won out.

with research experiments, extension field days, and hopefully with a family vacation. So, I ask you to grab your program now and look in the back pages at the lists of past recipients (seriously, it will only take 5 minutes to pull it out and check the lists). Do you see your colleague's name from across the hall or in the next district or state on the list? If not, put a sticky note on your computer monitor as a reminder to make that nomination when the time comes this summer.

My final comment is just to thank you for the opportunity to serve the NCWSS as president. When I attended my first meeting in Winnipeg, I never envisioned that I might eventually serve the Society in this role. The NCWSS has great members, who have become great friends and colleagues, and I look forward to seeing you all again next year at Milwaukee at the 66th Annual Meeting. I'm confident that we will be in great hands with Bryan Young at the helm in developing the program. Take care and have a productive season. ♦

Now that I've patted most everyone in the NCWSS on their backs for a job well done, I need to ask you to start thinking about nominations for awards and fellows before the field season hits. The call for distinguished achievement awards and fellows will come out this summer, right when you are busy



# ANNUAL MEETING

NCWSS







**Bottom Left to Right:**  
**Christy Spraque - Secretary/  
 Treasurer**  
**Bryan Young - President Elect**  
**Chris Boerboom - Past  
 President**  
**Mark Wrucke - President**  
**David Johnson - Vice President**

**Top Left to Right:**  
**Kevin Bradley - WSSA  
 Representative**  
**Duane Rathmann - CAST  
 Representative**  
**Phil Banks - Exec. Secretary**  
**Harlene Hatterman-Valenti -  
 Editor - Communications**

**Missing from Photo: Robert Hartzler - Editor-Proceedings, Lee VanWychen - Dir. Science Policy**

## Distinguished Achievement Awards

**Young Scientist Award** is given to members who fulfill the requirements to qualify for the education, research or service award categories and have received their terminal degree no more than ten years before receiving this award.



Darren Robinson

### **Darren Robinson**

Darren grew up in Winnipeg, Manitoba. He received a B.Sc. (Honors) in Biology from the University of Winnipeg in 1992. He completed his M.Sc. in 1995 in Plant Biology in at the University of Manitoba, where he demonstrated labs in undergraduate botany for 2 years. From there, he moved on to the Plant Agriculture Department at the University

of Guelph, and in 2000, he received a PhD in Weed Science. Darren worked for a short time at the Alberta Research Council as a Research Scientist until June of 2001, where he conducted weed management research in pulse crops, cereals and canola. Darren was hired as a College Professor by Ridgetown College in 2001 to teach horticultural weed management, turf management, and ecology and conduct weed management research in vegetable crops. He became a member of the Department of Plant Agriculture at the University of Guelph in 2004, and was promoted to Associate Professor in 2009, during which time

he has developed a research program on integrated control strategies in conventional and reduced tillage system for vegetable crops. Darren coordinated the Horticulture Diploma at Ridgetown from 2004 to 2009, and teaches Horticultural Weed Science, Ecology, and Vegetable Crop Pest Management at the diploma level, and Introductory Biology I and II to degree students. His current research focuses on improving access to available herbicides, developing strategies for improving the timeliness of application include testing and validation of heat unit models, and determining the effect of previous cropping practices on weed population shifts in high value crops. To date, Darren has published 45 peer-reviewed manuscripts, co-authored 2 book chapters, supervised and advised 10 graduate students, presented 39 refereed papers at scientific conferences, and given 98 extension presentations and short-courses. Darren served on the board of the North Central Weed Science Society as provincial director, as a member of the Long Range Planning Committee, and has chaired the Horticulture and Ornamentals section.

**Education Award** recognizes outstanding educational achievements in weed science. Principal criteria include innovative or unique approaches that result in learning, ability to clearly communicate ideas, motivation of the intended audience and recognition of accomplishments by peers and the intended audience.

## Distinguished Awards - Continued



**Aaron G. Hager**

### **Aaron Hager**

Aaron G. Hager was born and raised in a small, rural community in west-central Illinois. The son of farming parents, Aaron was reared in an agricultural environment where he developed a keen appreciation for the many and varied challenges faced by farmers. He excelled in agriculture classes in high school and was the

only student from his graduating class to pursue a baccalaureate degree in agriculture. He attended Southern Illinois University, Carbondale, where his interest in weed science was first kindled by his many interactions with Dr. George Kapusta. After completing his B.S. in Plant and Soil Science at SIUC in 1991, Aaron went to Michigan State University where he received a M.S. in weed science under the direction of Dr. Karen Renner in 1993. While at MSU, Aaron's understanding of how extension programs bring needed and valued information to farmers was significantly enhanced and he began to consider pursuing a career in some facet of weed science extension at a Midwestern university. Near the end of his graduate experience at MSU, Aaron interviewed for a weed science extension specialist position in the Department of Agronomy at the University of Illinois and subsequently was offered the position. At Illinois, Aaron was especially fortunate to be mentored by two very dedicated and well-known extension weed scientists, Drs. Marshal McGlamery and Ellery Knake. Aaron continued his graduate work while serving as a full time extension specialist, ultimately completing his Ph.D. in 2001 under the direction of Dr. Loyd Wax. Following the retirement of Dr. McGlamery, Aaron successfully interviewed for the vacant extension weed science faculty position and began his tenure as a faculty extension weed scientist in 2002.

Currently, Aaron holds a 70/30 extension/research appointment in the Department of Crop Sciences where he serves as a state faculty specialist in weed biology and management. His principal objective is to develop and deliver effective, high-impact applied weed science research and extension programs. His research and extension efforts focus on developing innovative approaches that expand our knowledge and understanding of weed biology and management,

with particular emphasis directed toward addressing the contemporary weed management issues impacting the major field crops of Illinois.

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



**Jon Scott**

### **Jon Scott**

Dr. Jon Scott has been a member of the NCWSS for 25 years participating in the graduate student paper contest, serving as a poster judge and a local arrangement committee as well as presenting

several posters. He began his career in weed science at VanderSchaff Ag Research in Geneseo, IL as an undergraduate and continued his education earning degrees at Southern Illinois University and the University of Kentucky.

His "industry" career began in 1993 with FMC and he received the Rookie of the Year award. He helped develop sulfentrazone and carfentrazone herbicides in the Midwest conducting several research trials, data summaries, field tours and helped with sales training. "Seed corn" experience included working with Golden Harvest validating the effectiveness of herbicide and insecticide technology traits and seed applied chemicals and translating this information to technical bulletins and customer presentations. Currently, Jon oversees the herbicide efficacy program for Dr. Stevan Knezevic at the University of Nebraska which includes agronomic crops, rangeland, pasture, and riparian areas. Working closely with industry, graduate students and professors, his input is valued and respected to create the best protocol. He is instrumental in training undergraduate and graduate students and visiting international scholars and scientists in addition to conducting several field tours for industry. Jon's expertise in equipment use and calibration to simulate actual farmer situations is also greatly appreciated.

Finally, Jon is an experienced agricultural researcher with excellent plot technique skills, and a team player who enjoys supporting and training graduate students, growers and dealers, industry reps and professors!



## Distinguished Awards - Continued



Peter Sikkema

**Research Award** recognizes outstanding research achievements in Weed Science. Principal criteria include demonstrated excellence and creativity in research accomplishments; in conducting research and applying the results to solve problems in weed science; and, in applying unusual creativity to the research effort.

### Peter Sikkema

Peter grew up on a dairy and hog farm in south central Ontario. Peter attended the University of Guelph where he received a B.Sc. (Agr) in 1981 and a M.Sc. (Weed Physiology) in 1983. Upon graduation with his M.Sc. degree, Peter accepted a position as Field Development Representative for Eastern Canada with Union Carbide. In 1986, Peter accepted the position of Product Development Manager for Canada with Rhone Poulenc. Peter accepted the position as Lecturer III at Ridgetown College in 1988 and taught courses in fruit and vegetable production and conducted cultural management studies in fruit and vegetables. Peter joined the University of Guelph as a College Professor in 1997 with responsibility for weed management in field and horticultural crops. During this time Peter enrolled as a part-time student at the

University of Western Ontario where completed his Ph.D. in Environmental Sciences in 2003. Peter joined the Department of Plant Agriculture of the University of Guelph in 2003 as an Assistant Professor. In 2007, Peter was promoted to Associate Professor and in 2009 he became a full Professor in the department. Peter is responsible for weed management in field crops and teaches “Applied Weed Science” and “Crop Diagnostics and Recommendations” at the diploma level. During his career, Peter has published 122 peer-reviewed manuscripts and was an author on 46 oral and 75 poster presentations at scientific conferences. Peter has supervised 8 graduate students. Peter has served on the board of the NCWSS as the provincial director for 6 years and has served on the Membership plus the Long Range Planning Committees. Peter has received the following awards: In 2006, the “Excellence in Weed Science” award from the Canadian Weed Science Society; in 2007, the “Teaching Award of Merit” certificate from the North American Colleges and Teachers of Agriculture; in 2008, the “Fellow” award from the Canadian Society of Agronomy and in 2009, the “T. R. Hilliard Distinguished Agricultural Extension” award from the Ontario Agricultural College Alumni Foundation.

### Fellows

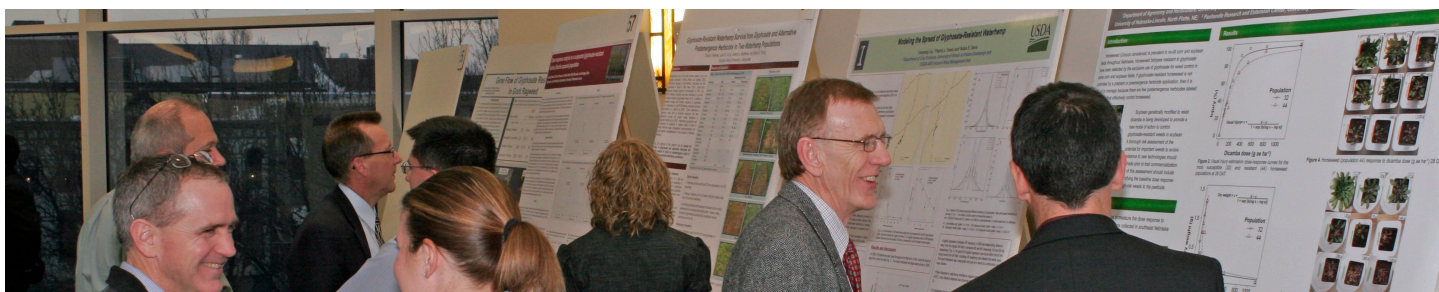
There were no nominations. We were reminded that it is everyone’s duty to think of those deserving of this honor and to nominate that person.

## Student Poster Awards

There were 28 participants in this year’s Graduate Student Poster Contest and 5 undergrad posters. All posters were evaluated based on Appearance, Development, Analysis of Results, and Presentation of the poster. The quality of the posters was very good.

Thanks to the judges for the poster contest for their time and investment in the contest. This is one of the many things that goes on behind the scenes at NCWSS that takes a lot of people to get done and their involvement is appreciated.

Also thanks to the graduate and undergrad students for the time and effort to put together your posters.





## Graduate Student Poster Awards

### Weed Biology & Ecology



**First place poster:**  
**Sorghum X Shattercane  
Outcrossing in the Field.** J.J.  
Schmidt, J.L. Lindquist, M.L.  
Bernards, and J.F. Pedersen  
University of Nebraska Lincoln

**Second place poster:**  
**Response of Nebraska  
Horseweed Populations to  
Dicamba.** R.J. Crespo, M.L.  
Bernards, G.R. Kruger, R.G.  
Wilson and D.J. Lee University of  
Nebraska Lincoln, North Platte and  
Scottsbluff



### Corn & Soybean, Soybeans & Legume



**First place poster:**  
**Competition of Volunteer Corn  
with Hybrid Corn.** P. Marquardt  
and W.G. Johnson Purdue  
University

**Second place poster:**  
**Management of Glyphosate-  
Resistant Corn in a Corn  
Replant Situation.** R.M.  
Terry and W.G. Johnson Purdue  
University



### Mixed Section of Cereal, Sugar Beet, Dry Bean, Invasives, Forestry, Industrial, Horticultures & Herbicide Physiology



**First place poster:**  
**Role of soil-borne Fungi in the  
Response of Giant Ragweed  
Biotypes to Glyphosate.** J.R.  
Schafer, S.G. Hallett, and W.G.  
Johnson Purdue University

**Second place poster:**  
**Management of Annual  
Bluegrass with Bispyribac  
Sodium on Creeping Bentgrass.**  
J.B. Haguewood, J.Q. Moss, R.J.  
Smeda and X. Xiong University  
of Missouri and Oklahoma State  
University





## Undergrad Poster Awards



**First place poster:**  
**Palmer Amaranth Growth and Gender in Response to Ammonium.** A.R. Asebedo and Anita Dille, Kansas State University

**Second place poster:**  
**Glyphosate Resistant Waterhemp Survival from Glyphosate and Alternative Postemergence Herbicides in Two Waterhemp Populations.** C.E. Reeves, J.M. Young, J.L Matthews, and B.G. Young Southern Illinois University and USDA-ARS



## Student Paper Awards

There were 32 participants in this year's Graduate Student Poster Contest divided into four sections. All papers were evaluated based on content, which includes introduction, methods and results and presentation, which includes visuals, oration and length of time of the paper. The quality of the papers was very good in all four sections with the difference between first and second place usually being just a few points.

As always we would like to thank the 20 judges for their time and investment in the contest. This is one of the many things that go on behind the scenes at NCWSS that takes a lot of people to get done and we appreciate their involvement.

Also, thank you to the graduate students for the time and effort to put together your presentations.

### Soybeans, Legumes & Forage and Range



**First place paper:**  
**Effect of Postemergence Applications of 2,4-D on the Yield Components of DHT Soybean.** A.P. Robinson, D.M. Simpson, and W.G. Johnson, Purdue University, West Lafayette, IN; Dow AgroSciences, Indianapolis, IN

**Second place paper:**  
**The Timing of Broadcast Flaming Influenced Soybean Yield.** S.M. Ulloa, A. Datta, and S.Z. Knezevic, University of Nebraska-Lincoln, Concord, NE



*Continued on next page*



## Graduate Student Paper Awards - Continued

### Weed Biology, Ecology & Herbicide Physiology



**First place paper:**  
**Soil-borne Fungi Contribute to the Efficacy of Glyphosate in both Resistant and Susceptible Horseweed in the Field.** J.R. Schafer, S.G. Hallett, and W.G. Johnson, Purdue University, West Lafayette, IN

**Second place paper:**  
**The Effect of Dairy Compost Rate on Weed Competition in Potato.** A.J. Lindsey and W.J. Everman, Michigan State University, East Lansing, MI



### Corn, Sorghum, Cereals, Sugar beet & Dry Bean



**First place paper:**  
**Nitrogen Assimilation of Weed Species as Influenced by Nitrogen Rate and Weed Size.** L.E. Bast, W.J. Everman, and D.D. Warncke, Michigan State University, East Lansing, MI

**Second place paper:**  
**Impact of Weeds on Nitrogen Availability in Glyphosate-Resistant Sugarbeet.** A.J. Spangler, C.L. Sprague, and D.D. Warncke, Michigan State University, East Lansing, MI



### Mixed Papers, Forestry, Industrial & Turf



**First place paper:**  
**Postemergence Herbicides with Adjuvants for Early Season Weed Control in Onion.** J.R. Loken and H.M. Hatterman-Valenti, North Dakota State University, Fargo, ND

**Second place paper:**  
**Avoiding Crop Injury and Maximizing Yield with Preemergence and Postemergence Herbicides in Onion.** C.M. Herrmann and B.H. Zandstra, Michigan State University, East Lansing, MI



# Necrology

## **Laurel E. Anderson**

Laurel E. Anderson passed away in Columbia, Missouri on November 24, 2010 at the age of 94. He was born in Upsala, Minnesota on May 17, 1916. Laurel served in the U.S. Army from 1941-1945 during World War II and was stationed in Ireland, Africa and Italy. He held an associate degree from St. Cloud Teachers College (1936), and B.S. (1947), M.S. (1953), and Ph.D. (1955) degrees in agriculture from the University of Minnesota. He taught in one-room schools in Minnesota from 1937-1940 and at the Morris (Minn.) School of Agriculture from 1946-1949. He then held a faculty position at Kansas State University from 1953-1965.

In 1965, he was appointed extension professor of field crops in the Department of Field Crops (later Department of Agronomy) at the University of Missouri responsible for providing guidance to area agronomists and farmers on weed management practices. Because many commercial herbicides were being rapidly developed and becoming available on the market, Laurel was charged with updating area agronomists on herbicide use, coordinating training programs for certification of commercial pesticide application, and preparing appropriate extension publications for use by the agricultural community. He retired from the University of Missouri in 1985.

Laurel developed a highly comprehensive extension weed management program that was readily accepted by the extension agents and farmers of Missouri. He was well liked by colleagues, friends, and farmers. He was an active member of the Weed Science Society of America and the North Central Weed Science Society. He was recognized for his important contributions to weed science with the Outstanding Extension Award from the Weed Science Society of America in 1975.

Laurel is survived by his wife of 61 years, Dorothy, and by three children, eight grandchildren and three great-grandchildren. Memorial services were held on December 5, 2010 at First Presbyterian Church followed by inurnment at Memorial Park Cemetery in Columbia, Missouri.

## **Elroy J. (Pete) Peters**

Elroy (Pete) Peters passed away in Columbia, Missouri on December 13, 2010 at the age of 88. He was born in Kaukauna, Wisconsin on June 10, 1922. Pete served during World War II as a member of the 457th Bomber Group, 8th Army Air Corps. He undertook studies in agriculture at the University of Wisconsin and received a B.S. in agriculture (1952), M.S. in agronomy (1953), and doctorate in 1956, one of the first degrees awarded in weed science.

In 1956, he began his career as a research agronomist with the U.S. Department of Agriculture – Agricultural Research Service in the Crop Production Research Unit at Columbia,

Missouri. He was Research Leader of the Unit at the time of his retirement in 1985. He was also an adjunct professor of weed science in the Department of Agronomy at the University of Missouri and mentored several graduate students. He was involved in developing “Advanced Weed Science” in 1983, one of the few graduate-level weed science courses offered in the U.S.

During his career Pete conducted pioneering research primarily aimed at improved management of perennial weeds in pastures, forages, and small grain crops. He identified allelopathic agents in tall fescue and invented a roller-applicator for herbicide application to weeds that reduced environmental inputs and economic costs.

Pete was highly respected by the agricultural community and admired by fellow agronomists and weed scientists. He became an active member of the Weed Science Society of America and the North Central Weed Control Conference (forerunner of the North Central Weed Science Society) during the formative years of those organizations. His valuable contributions to weed science were recognized by his election as an Honorary Member (Fellow) of the North Central Weed Science Society in 1986.

Pete was married to Kathryn Ann Cybulski on June 27, 1953 who preceded him in death in 1999. On October 21, 2000, he was married to Dorothy Gabler Stoerker, and she survives. He is also survived by three children and five grandchildren. Funeral services were held on December 21, 2010 at Trinity Lutheran Church followed by burial at Memorial Park Cemetery in Columbia, Missouri.

## **Mengistu Workineh**

Mengistu Lemma Workineh, 46, of Woodbury, MN, died March 22, 2010, from complications of stroke and brain hemorrhage. He was born January 29, 1964, in Arsi, Asella, Ethiopia.

Mengistu worked for about 5 years at a state farm in Ethiopia, essentially filling technical assistance and agronomy research needs of the farm and surrounding clientele. He then attended Alemaya University of Agriculture, Ethiopia, to earn a B.S. in Plant Science. His MS and PhD degrees were completed in 1995 and 1998, respectively, at Oregon State University in Crop Science. The training in genetics theory and techniques Mengistu acquired from collaborative research between OSU and the USDA-ARS in Corvallis led to a Post-Doctoral position at North Dakota State University in weed genetics. After 6 years at NDSU, Mengistu accepted a position with the Minnesota Department of Agriculture in 2006.

Survivors include his wife and two children who have returned to Ethiopia.



# ReCASTing CAST: The Annual Report 2010

Rooted in tradition but constantly adapting to new ideas, the Council for Agricultural Science and Technology (CAST) has undergone a year of changes and successes. The Annual Report 2010 explains how CAST completed a reorganization of the governing structure as more individuals, groups, and organizations joined with the CAST focus on the three “I’s” -- Input, Impact, and Investment. The impressively formatted report also includes concise sections about:

- establishing a CAST Board of Trustees
- publications, rollouts, and events; the 2010 highlights
- board meetings; a letter from the CAST president
- the growing importance of CAST social media and website communication
- the year at a glance; the National Ag Day Essay Contest
- the prestigious Borlaug CAST Communication Award

As CAST Executive Vice President/CEO Dr. John Bonner said, “CAST has been growing for the past five years in terms of publication output and visibility while simultaneously building the credibility that it has established and maintained for almost 40 years.”

Please consider becoming an individual member of CAST.

To access the Annual Report 2010, go to: <http://www.cast-science.org/>

## People and Places

### Randy Gettle

Randy has accepted a position as Agronomy Trials Manager for Pioneer Hi-Bred, A DuPont Business. He’s located at Mankato, MN.

### Interesting Reading

WSSA honored the following individuals for published papers:

- Jonathan Storkey, Stephen Moss, and John Cussans. 2010. **Using Assembly Theory to Explain Changes in a Weed Flora in Response to Agriculture Intensification.** *Weed Science*. 58(1):39-46.
- Ruth Mischler, William Curran, Sjoerd Duiker, and Jeffrey Hyde. 2010. **Use of a Rolled-rye Cover Crop for Weed Suppression in No-Till Soybeans.** *Weed Technology*. 24(3):253-261.
- Kim Goodwin, Richard Engle, and David Weaver. 2010. **Trained Dogs Outperform Human Surveyors in the Detection of Rare Spotted Knapweed (*Centaurea stoebe*).** *Invasive Plant Science and Management*. 3(2):113-121.

### Announcements

#### **2011 NORTH AMERICAN INVASIVE PLANT ECOLOGY AND MANAGEMENT SHORT COURSE**

July 6 - 8, 2011. The North American Invasive Plant Ecology and Management Short Course (NAIPSC) is three days of intense instruction and learning for those interested in the basics of invasive plant ecology and management. The first annual course will be held at the University of Nebraska-Lincoln West Central Research & Extension Center in North Platte, NE. The NAIPSC will include presentations, hands-on workshops, site visits and instructor-led discussion sessions on the latest in invasive plant ecology and management. CEU and graduate student credit will be available. View the brochure or visit the website ([ip-course.unl.edu](http://ip-course.unl.edu)) for more information and how to register.

New Program

# 2011 North American Invasive Plant Ecology and Management Short Course



University of Nebraska  
Lincoln EXTENSION

University of Nebraska  
Lincoln EXTENSION  
West Central Research and Extension Center  
402 West State Farm Road  
North Platte, NE 69101

## Course Overview

This short course will be an opportunity for land managers (public and private), landowners, policymakers, researchers, and graduate students to receive training in the basics of invasive plant ecology and management. The three-day course will provide in-depth learning on the principles of integrated weed management, herbicide modes of action, sprayer calibration, plant identification, biological control, GPS and remote sensing applications and spatial distribution analysis of invasive plant species populations. Also included will be instruction on the use of restoration practices designed specifically for managing invasive plant species.

The short course material will reinforce proven methods and present relevant hypotheses and practices related to invasive plant ecology and management. This approach will stimulate thoughtful discussion, provide problem-solving applications, and encourage retention of the main themes presented throughout the course. Participants with limited understanding of integrated control methodology, mapping and monitoring technology, restoration ecology and plant taxonomy will learn the basic principles of invasive plant ecology and the latest techniques for managing infested areas.

## Credits

Continuing education units will be available from the Society for Range Management and other sponsoring organizations. In addition, participants (e.g., graduate students) can earn up to two academic credits by completing online assignments following the short course. An online learning community will be formed to provide continued communication among participants and instructors following completion of the course.



Extension is a Division of the Institute of Agriculture and Natural Resources at the University of Nebraska-Lincoln cooperating with the Counties and the United States Department of Agriculture.

University of Nebraska-Lincoln Extension educational programs abide with the nondiscrimination policies of the University of Nebraska-Lincoln and the United States Department of Agriculture.

## This Short Course is for:

- Land Managers
- Landowners
- Researchers
- Policymakers
- Graduate Students

## Daily Activities

**Day 1**  
Principles of Integrated Weed Management  
Herbicide Workshops  
Biocontrol Workshops

**Day 2**  
Integrated Management in Riparian Areas  
Integrated Management in Rangelands  
Technology Workshops (GPS and Spatial Analysis)

**Site Visits**  
- Riparian Area  
- Wild Land Area  
- Rangeland Area

**Day 3**  
Q & A Breakout Sessions  
- Ecologically Based Invasive Plant Management  
- Herbicide Use Issues  
- Data Interpretation and Application  
- Invasive Plant Species Identification  
Open Forum Discussions with Instructors

## Course Instructors

- George Beck, Colorado State University
- Ray Carruthers, USDA-ARS, California
- Eric Coombs, Oregon Department of Agriculture
- Anita Dille, Kansas State University
- Robert Klein, University of Nebraska-Lincoln
- Stevan Knezevic, University of Nebraska-Lincoln
- Andrew Kniss, University of Wyoming
- Jane Mongold, Montana State University
- Tim Miller, Washington State University
- Deana Namuth-Covert, University of Nebraska-Lincoln
- Tim Prather, University of Idaho
- Lisa Rew, Montana State University
- Robert Wilson, University of Nebraska-Lincoln
- Steve Young, University of Nebraska-Lincoln (Course Moderator)

For complete biographies on each of the instructors go to: [ipscourse.unl.edu/instructor-biographies](http://ipscourse.unl.edu/instructor-biographies)

## What is the North American Invasive Plant Ecology and Management Short Course?

The Short Course is three days of intense instruction and learning for those interested in the basics of invasive plant ecology and management. The course combines hands-on workshops, site visits and instructor-led discussion sessions to provide the most in-depth, comprehensive education on a variety of principles and topics related to invasive plant ecology and management.

## Course Location

This course is being held July 6-8, 2011 at the University of Nebraska-Lincoln West Central Research and Extension Center in North Platte, NE WCREC is ideally located in the west central region of Nebraska and is host to many of the same invasive plants species found throughout North America.

## Registration and Cost

For more information on the conference, including lodging and travel, visit the conference website at [ipscourse.unl.edu](http://ipscourse.unl.edu)

Registration is limited to 40 participants and is due by May 1, 2011. See form for details.



## Registration

North American Invasive Plant Ecology and Management Short Course  
July 6 - July 8, 2011

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Business \_\_\_\_\_

E-Mail \_\_\_\_\_

Phone \_\_\_\_\_

### Please check one:

- Land Manager
- Landowner
- Researcher
- Policymaker
- Graduate Student
- Other

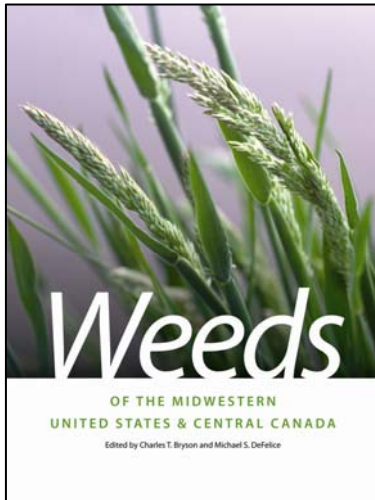
Registration Fee: \$650  
Registration Deadline: May 1, 2011

### Registration Options

Mail to:  
West Central Research and Extension Center  
ATTN: Linda Lehmann  
402 West State Farm Road  
North Platte NE 69101-7751

E-Mail: [llehmann1@unl.edu](mailto:llehmann1@unl.edu)  
Phone: (308) 696-6740  
Website: [ipscourse.unl.edu](http://ipscourse.unl.edu)





**WEEDS OF THE MIDWESTERN UNITED STATES & CENTRAL CANADA**

**Edited by Charles T. Bryson and Michael S. DeFelice**  
**Principal photography by Arlyn W. Evans and Michael S. DeFelice**

Publication date: July 1, 2010  
Flexibind w/ flaps, \$44.95 | ISBN 978-0-8203-3506-3

7.5 x 10 | 440 pp.  
1423 color photos | 363 maps

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Weeds threaten the safe, efficient, and sustainable production of food, feed, fiber, and biofuel throughout the world. Featuring more than fourteen hundred full-color photographs, this handy guide provides essential information on more than 350 of the most troublesome weedy and invasive plants found in the midwestern United States and central Canada. Drawing on the expertise of more than forty weed scientists and botanists, the guide identifies each plant at various stages of its life and offers useful details about its origin, habitat, morphology, biology, distribution, and toxic properties. The book also includes illustrations of the most common characteristics of plants and terms used to describe them, a key to plant families included in the book, a glossary of frequently used terms, a bibliography, and indexes of scientific and common plant names. This is an essential guide for agronomists, crop and soil scientists, horticulturists, botanists, Cooperative Extension Service agents, farmers, gardeners, students in agriculture and biology, lawn care professionals, green industry professionals, nursery owners, government quarantine workers, and land preservationists.

Each species account includes:

- Distribution map and up to four color photographs showing seed, seedling, plant & flower
- Scientific names, common names, and local synonyms of common names
- Vegetative characteristics for seedlings and leaves
- Notes on special identifying characteristics, reproductive characteristics, and toxic properties

Covers Illinois, Indiana, Iowa, northeastern Kansas, northern Kentucky, southern Manitoba, Michigan, Minnesota, northern Missouri, eastern Nebraska, N. Dakota, Ohio, southern Ontario, southwestern Quebec, southeastern Saskatchewan, eastern S. Dakota and Wisconsin

**Charles T. Bryson** is a research botanist for the United States Department of Agriculture–Agricultural Research Service (USDA-ARS) at the Southern Weed Science Research Unit in Stoneville, Mississippi. **Michael S. DeFelice** is a senior manager at Pioneer Hi-Bred International, Inc. Bryson and DeFelice are authors of *Weeds of the South*. **Arlyn W. Evans** is a retired research biologist for E. I. duPont de Nemours & Co.

# New 'Weedy and Invasive Plant Species' Community forms in American Society of Agronomy

March 14, 2011 – For the first time in its history, the American Society of Agronomy (ASA) will have a group dedicated to addressing the topic of weeds in production and other managed systems. The new Weedy and Invasive Plant Species community has been formed as ASA reorganizes to better serve member interests and the challenges of agriculture. The purpose of the Weedy and Invasive Plant Species community is to encourage scientific exchanges and sharing of information, foster and enhance collaboration and communication among other communities and professional societies, facilitate planning, and provide coordination of programs and services.

The Weedy and Invasive Plant Species community is aligned with the Agronomic Production Systems Section of ASA. In agronomic and non-crop systems, weeds are the number one pest problem. Losses associated with weedy and invasive plant species are in the billions. It is anticipated that the Weedy and Invasive Plant Species community will reach a wide audience including urban and rural land owners and managers, crop consultants, and policy makers. The interests of the Weedy and Invasive Plant Species community will be in understanding the ecology of weedy and invasive plants in managed systems. In particular, this community will have an interest in

the basic principles of integrated weed management (IWM), including cultural, biological, chemical, and mechanical techniques. The community will focus on IWM using an adaptive management framework in support of related interests, such as plant identification, spatiotemporal weed distribution patterns, new technology (e.g., biotech, geospatial tools, remote sensing), herbicide resistance, and weed interference and competition. The community interests will also cover regulatory issues associated with weed management and opportunities for restoration in natural and non-crop areas.

The Weedy and Invasive Plant Species community will hold its first meeting at the 2011 ASA Annual meetings in San Antonio, TX. There will be an oral and poster session along with the election of community leadership. The Weedy and Invasive Plant Species webpage is currently being updated with the latest information, including a call for abstracts of papers and posters for the 2011 meeting. In 2012, the Weedy and Invasive Plant Species community will organize a symposium or topical session to be held at the ASA annual meetings or another related venue. For more information and registration, contact Steve Young at 308-696-6712 (syong4@unl.edu) or visit the website (<https://www.agronomy.org/membership/communities/weedy-and-invasive-plant-species>).

## Washington Update

### Lee Van Wychen, Director of Science Policy

#### USDA Funding for Weed Science

- Weed Science has been strong supporter of USDA funding for AFRI (old NRI), ARS and land grant formula funds (Hatch, Smith-Lever).
- FY 2011 Approps crunch- We support the Senate version: \$2.4 Billion for ARS & NIFA (\$280M for AFRI)
  - House version is \$415M less
- In March 2010, AFRI did not have weed science in its Foundational Program. Now it does.
  - Many thanks to EVERYONE for helping to change this.

#### Weed Science in 2011 AFRI RFA

- “Controlling Weedy and Invasive Plants”
  - will support projects that focus on improving our understanding of relationships between agronomic practices and the evolution, spread, and subsequent dynamics of herbicide resistance based on an understanding of ecological fitness and gene flow in weed populations and use of ecological processes, including integrated pest management, to manage and control weedy and invasive species.
- Letter of Intent Deadline – March 16, 2011
- Application Deadline – June 8, 2011
- Hoping for \$5 million



## Washington Report - Continued

### National Pollutant Discharge Elimination System (NPDES) permits

- EPA rule in 2006 exempted the application of aquatic pesticides in compliance with FIFRA from CWA permits
- 6th Circuit Court vacated rule in Jan. 2009
- NPDES permits will be required by April 9, 2011
- Last week, EPA asked 6th Circuit to delay until Oct. 31, 2011

### Congressional 'Fix' to NPDES permits

- WSSA Supports H.R. 872: Reducing Regulatory Burdens Act of 2011
- House Ag Committee Markup tomorrow
  - Bill will pass House, hopefully with 2/3 majority
- Need your help in getting Senate support

### Herbicide Resistance Management

- WSSA Herbicide Resistance Education Committee formed

- Arkansas Weed Resistance Tour with NACD
- Attained \$90K in funding to produce 2 white papers for APHIS/EPA
  - Chaired by Vencill and Shaw
- Mode-of-Action Labeling by EPA

### "Superweed" Hearings – July & Sept.

- House Oversight and Government Reform Subcommittee on Domestic Policy Chaired by Rep. Dennis Kucinich (OH)
- SEC. 412. REGULATION OF MOVEMENT OF PLANTS, PLANT PRODUCTS, BIOLOGICAL CONTROL ORGANISMS, NOXIOUS WEEDS, ARTICLES, AND MEANS OF CONVEYANCE.
  - (a) IN GENERAL.—The Secretary (of Ag) may prohibit or restrict the importation, entry, exportation, or movement in interstate commerce of any plant, plant product, biological control organism, noxious weed, article, or means of conveyance, if the Secretary determines that the prohibition or restriction is necessary to prevent the introduction into the United States or the dissemination of a plant pest or noxious weed within the United States. ♦

## Committee Appointments 2011

### I. NCWSS Board of Directors

#### Officers

President	Mark Wrucke	651-463-3365	mark.wrucke@bayer.com
President Elect	Bryan Young	618-453-7679	bgyoung@siu.edu
Vice President	David Johnson	515-535-7234	david.h.johnson@pioneer.com
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### Directors at Large

Extension	Jeff Stachler	701-231-8131	jeff.stachler@ndsu.edu
Graduate Student	Jared Roskamp	765-496-6690	jroskamp@purdue.edu
Industry	David Saunders	515-535-4485	david.w.saunders@usa.dupont.com
Resident Education	Brady Kappler	402-432-1416	brady.kappler@basf.com
Strategic Planning (Chair)	Open		
Central (2012)	David Thomas	217-722-3916	dave.thomas@syngenta.com
Eastern (2013)	Glen Murphy	502-460-0106	glen.p.murphy@monsanto.com
Western (2011)	Brian Jenks	701-857-7677	brian.jenks@ndsu.edu

## Committee Appointments - Continued

### II. NCWSS Interest Group Committees

#### Strategic Planning

Liz Stahl	Vice Chair - MN (2011)	507-372-3912	stah0012@umn.edu
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David Thomas	Illinois (2011)	217-722-3916	dave.thomas@syngenta.com
David Hillger	Indiana (2012)	614-633-7069	dehillger@dow.com
Mark Vogt	Iowa (2011)	515-535-2261	mark.vogt@pioneer.com
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Bruce Ackley	Ohio (2013)	614-292-1399	ackley.19@osu.edu
Nader Soltani	Ontario (2011)	519-674-1604	nsoltani@ridgetownc.uoguelph.ca
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Alan B. Miller	Wisconsin (2013)	608-271-1100	amagstat@tds.net
Calvin Odero	Wyoming (2011)	307-766-3112	odero@uwyo.edu

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Andrew Robinson	Past Chair	765-496-6690	arobinson@purdue.edu



## Committee Appointments - Continued

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Cheryl Dunne	2nd Vice Chair	772-794-7146	cheryl.dunne@syngenta.com
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Jeff Stachler		701- 231-8131	jeff.stachler@ndsu.edu
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John Lindquist	Past Chair	402-472-2771	jlindquist1@unl.edu

### Contest Rules Subcommittee of Resident Education

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Anita Dille		785-532-7240	dieleman@ksu.edu

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Mick Holm	Past Chair	608-231-9961	mick.f.holm@usa.dupont.com

#### Electronic Communications Committee

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### Nominating Committee

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Robert Hartzler	Editor - Proceedings	515-294-1923	hartzler@iastate.edu
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Brady Kappler	Resident Education	402-432-1416	brady.kappler@basf.com
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Reid Smeda	Invasive Weeds	573-882-1329	smedar@missouri.edu
Kevin Bradley	WSSA	573-882-4039	bradleyke@missouri.edu
Mark Wrucke	President (ex officio)	651-463-3365	mark.wrucke@bayer.com

### Resolutions and Necrology Committee

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### Invasive Plants Committee

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Walt Fick		785-532-7223	whfick@ksu.edu
Joe Omielan		859-967-6205	joe.omielan@uky.edu
Byron Sleugh	Past Chair	515-226-2165	bbsleugh@dow.com

## Committee Appointments - Continued

### Section Program Chairs

#### General Program

Bryan Young Program Chair 618-453-7679 bgyoung@siu.edu

#### Poster Session

Jerry Hora	Chair	563-662-5013	jerry.hora@bayer.com
Gordon Vail	Vice Chair	336-632-5596	gordon.vail@syngenta.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
Ryan Lins	Past Chair	507-251-5524	ryan.lins@syngenta.com

#### Graduate Student Paper Awards

Fritz Koppatschek	Chair	317-415-0553	fkoppatschek@abgaservices.com
Brady Kappler	Past Chair	402-432-1469	brady.kappler@basf.com

#### Graduate Student Poster Awards

Cheryl Dunne	Chair	772-794-7146	cheryl.dunne@syngenta.com
Fritz Koppatschek	Past Chair	317-415-0553	fkoppatschek@abgaservices.com

#### Agronomic Crops I (Cereals, Sugar Beets, Dry Beans)

Ryan Lins	Chair	507-251-5524	ryan.lins@syngenta.com
Aaron Franssen	Vice Chair	402-643-9252	aaron.franssen@syngenta.com

#### Agronomic Crops II (Corn, Sorghum)

Eric Scherder	Chair	515-597-2660	efscherder@dow.com
Walter Thomas	Vice Chair	919-547-2549	walter.e.thomas@basf.com

#### Agronomic Crops III (Soybeans, Legumes, Forage and Range)

Ron Krausz	Chair	618-566-4761	rkrausz@siu.edu
Mike Weber	Vice Chair	515-962-9214	michael.weber@bayer.com

#### Equipment and Application Methods

Bertel Schou	Chair	319-277-6661	bertschou@aol.com
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#### Extension

Jeff Stachler	Chair	701-231-8131	jeff.stachler@ndsu.edu
Doug Shoup	Vice Chair	620-212-2399	dshoup@ksu.edu

#### Herbicide Physiology

Paul Marquardt	Chair	765-409-6369	pmarquar@purdue.edu
Andy Robinson	Vice Chair	765-414-6615	arobins@purdue.edu

#### Invasive Weeds

Reid Smeda	Chair	573-882-1329	smedar@missouri.edu
Steve Young	Vice Chair	308-696-6712	syoung4@unl.edu

#### Forestry, Industrial, Turf and Aquatics

Bob Masters	Chair	317-337-4281	ramasters@dow.com
Reid Smeda	Vice Chair	573-882-1329	smedar@missouri.edu

#### Horticulture and Ornamentals

Rodney Tocco	Chair	517-355-5191	toccorod@msu.edu
Darren Robinson	Vice Chair	519-674-1604	drobinso@ridgetownc.uoguelph.ca

#### Weed Biology, Ecology and Management

George Kegode	Chair	660-562-1126	gkegode@nwmissouri.edu
Marty Williams	Vice Chair	217-244-5476	mmwillms@illinois.edu



# THE WEEDOLYMPICS

## JULY 26TH - 27TH

### UNIVERSITY OF TENNESSEE KNOXVILLE

Dear WeedOlympics students, coaches, and volunteers:

As many of you are aware, we are hosting the first ever WeedOlympics on July 26-27, 2011 in Knoxville, TN. Over the past several months we attended the NCWSS, NEWSS, SWSS, and WWSS meetings to not only inform members about the event, but also solicit feedback regarding contest rules. We have incorporated that feedback into the final set of contest rules attached to this message. You can also access the final set of rules at <http://weedolympics2011.org>. We have combined aspects of the NCWSS, NEWSS, and SWSS contest rules to comprise what we believe to be a very challenging event that incorporates crops, herbicides, farmer/client problems, and weeds of importance to each region. While we realize some of the herbicides, crops, weeds, and farmer/client problems chosen will not relate to your respective regions; however, we hope that we will provide an appropriate balance that will make for fair competition and a broadening experience for all students.

#### **A few important details pertaining to the event:**

1. Registration is now open! All participants and contest volunteers must register at <http://weedolympics2011.org>. To facilitate planning, registration will close at 11:59 pm on May 14th. Registration will be required to attend the pre-contest dinner and the awards banquet. Individuals who do not formally register at <http://weedolympics2011.org> will not be able to attend these events. On-site registration will not be available.
2. A limited number of reduced rate (\$95) hotel rooms are available at the Knoxville Hilton. We suggest that participants reserve their hotel room on the same day they register on the WeedOlympics site to avoid missing out on this special room rate.
3. Please make your travel arrangements so you can pick up your registration materials on July 26th between 1 to 4pm in the lower lobby of the Knoxville

Hilton. All attendees (participants, coaches, and volunteers) must visit our table in the Hilton to receive access passes to the pre-contest dinner and the awards banquet.

4. Remember buses will be taking you to all portions of the contest event. A finalized contest schedule will be available no later than 2 weeks prior to the event. We ask that you adhere to the schedule for all departures in order to keep the contest moving in a timely manner.
5. Unlike past events, contest coaches will have a different itinerary than students on the day of the contest. A copy of this itinerary will be available at the WeedOlympics desk in the Knoxville Hilton on July 26th. Please be advised that only students and select volunteers will be allowed access to the farm site on the day of the event. In addition, the farm site will be guarded by University of Tennessee police the day before and the day of the event. Access to these sites will be restricted unless you have clearance.

We are excited about the WeedOlympics and look forward to your visit to Knoxville. We have some special guests and a few fun surprises that we hope you will enjoy. The main purpose of the event is to provide a fun educational experience where we can all get together as a group of Weed Scientists. To that end, enjoy the event and please thank our sponsors (Syngenta, DuPont, BASF, Monsanto, Dow Agrosciences, Harrell's, Valent, OHP, and Gylling Data Management) for without them there would be no contest. Please use our website, <http://weedolympics2011.org>, as a resource in answering any questions about the event and contact us if you have any questions, ideas, or concerns.

Sincerely,

Greg Armel and Jim Brosnan

# Position Announcements

## Assistant Professor of Weed Physiology

Tenure track

12 month-full time

Department of Entomology, Plant Pathology & Weed Science  
New Mexico State University

**SALARY:** Commensurate with education and experience

**POSITION LOCATION:** Las Cruces, New Mexico

**POSITION CONDITIONS:** POSITION WILL BE AVAILABLE AFTER JULY 1, 2011.

**QUALIFICATIONS:** Ph.D. in hand by hire date in weed physiology, plant physiology, plant biochemistry, or related field. Applicants must demonstrate good communication skills, a strong commitment to individual and collaborative research, and teaching experience. The successful candidate will be expected to obtain competitive grant funds, and train graduate students.

**RESPONSIBILITIES:** This is a 12-month tenure-track position with approximately 75% research and 25% teaching responsibility; assignment may vary according to needs of the department. The successful candidate will be responsible for disciplinary and interdisciplinary research in weed physiology; however, the specific research area will be dependent on candidate interests. Research areas may include topics such as the sustainable use of herbicides, mechanisms of herbicide resistance, weed/insect interactions, weed/endophyte interactions, weed/pathogen interactions, secondary plant products, biological control, weed/crop interactions, stress tolerance, impact of climate change on weed invasions and success. The appointee will be expected to work cooperatively with other faculty and researchers in the department, in other units on campus, and from other agencies and universities. Teaching responsibilities include recruitment and supervision of undergraduate and graduate students, teaching graduate/undergraduate level courses such as plant physiology, herbicide mode of action, plant biochemistry, or other courses of interest or relevance to the department. Additional duties may be assigned by the department head. The successful candidate will be expected to pursue competitive grant funds and must be committed to training graduate students.

**DEPARTMENT DESCRIPTION:** New Mexico State University is a Land-Grant, NASA Space-Grant, Carnegie Doctoral/Research-Extensive, Hispanic Serving Institution (federal designation). The Department of Entomology, Plant Pathology and Weed Science is a multidisciplinary group of scientists and teachers whose mission is to provide academic instruction, research and service that focuses on managing pests in semi-arid ecosystems. The strength of the department is the interface among these disciplines in understanding the biology of pest organisms, their interactions, and how pests impact urban, agricultural and natural resources. The teaching and research emphasis of the department is on problem-solving. The department teaches integrated biology so students can understand and manage current and emerging issues in plant and animal health and protection, examining problems from molecular to landscape scales. The department offers a B.S. in Agriculture with a major in Agricultural Biology (options in Applied Biology/Preprofessional; Entomology; Environmental Biology; Pest Biology and Management), a M.S. in Agricultural Biology, and advises Ph.D. students who earn degrees in Biology, Agronomy, or Molecular Biology. More information about NMSU, the College of Agricultural, Consumer and Environmental Sciences, and the Department of Entomology, Plant Pathology and Weed Science can be found at <http://www.nmsu.edu>, <http://aces.nmsu.edu/>, and <http://eppws.nmsu.edu/>.

**BENEFITS:** Annual and Sick Leave, Group Medical and Dental and Hospital Insurance and Life Insurance. Unemployment and Workers' Compensation, New Mexico Educational Retirement Benefits.

Offer of employment contingent upon verification of individual's eligibility for employment in the United States. All offers of employment, oral and written, are contingent on the university's verification of credentials and other information required by federal law, state law, and NMSU policies/procedures, and may include the completion of a criminal history check.



## Position Announcements - Continued

**REPLY TO:**

Dr. Jill Schroeder  
Department of Entomology, Plant Pathology & Weed Science  
New Mexico State University  
PO Box 30003, MSC 3BE  
Las Cruces, NM 88003-8003  
Telephone: (575) 646-2328, Fax: (575) 646-8087  
Email: jischroe@nmsu.edu

REVIEW OF LETTER OF INTEREST AND BACKGROUND, CURRENT RESUME, UNOFFICIAL TRANSCRIPTS, AND THREE LETTERS OF REFERENCE WILL BEGIN: 3/15/11. APPLICATIONS RECEIVED AFTER THIS DATE MAY BE CONSIDERED.

**NMSU is an equal Employment Opportunity/  
Affirmative Action employer.**

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### **Assistant Scientist, 12-month, regular position.**

Kansas State University  
Southwest Research-Extension Center, Garden City, KS.

**RESPONSIBILITIES:** This is a professional position supporting a weed science project supervised by a faculty project leader. The employee will conduct controlled-environment and field weed control experiments according to written protocols. Duties include implementing and maintaining experiments for the control of weeds in agronomic crops; application of agricultural pesticides; operation of farming, harvesting, threshing, sample processing equipment and instrumentation; collecting and analyzing data, assisting in summarizing research data and writing reports; and supervising support personnel and temporary laborers.

**QUALIFICATIONS:** Required: B.S. degree in agronomy or other plant science discipline, soil science, or biology plus three years field experience in weed control research or crop production or other plant-related discipline; knowledge of modern mechanized agricultural production practices and experience with farm equipment operation and maintenance; demonstrated knowledge of weed science principles and crop production practices; initiative and the ability to work independently with minimal supervision; must have (or be willing to obtain) commercial pesticide applicator's license; good verbal and written communication skills; and proficiency in the use of computers, word processing, spreadsheet, database and graphics software. Must have a strong commitment to expanding and fostering diversity in the department. Preferred: M.S. degree in weed science with experience in weed ecology, crop-weed competition, or integrated weed management; knowledge of experimental plot techniques, experience with ARM data management program, statistical data analysis, and familiarity with Statistical Analysis System (SAS) software.

**SALARY:** Salary is commensurate with qualifications. Standard Kansas State University faculty benefits.

**DEADLINE FOR APPLICATION:** Screening of applicants will begin on February 21, 2011 and continue until position is filled.

**AVAILABLE:** March 15, 2011.

**APPLICATION:** Submit a detailed narrative summarizing goals and qualifications, a personal resume, transcripts of all college/university course work; and arrange for three letters of reference to be sent to Dr. Randall Currie, Weed Scientist, KSU Southwest Research-Extension Center, 4500 E. Mary St., Garden City, KS 67846-9132; or send electronic files to: jbaier@ksu.edu. Minority and female candidates are particularly encouraged to apply. Direct inquiries to 620-276-8286 ext 220 or rscurrie@ksu.edu.

**More information:**

Western Kansas Agricultural Research Centers: <http://www.wkarc.org/>  
SW Research-Extension Center: <http://www.wkarc.org/DesktopDefault.aspx?tabid=36>

KANSAS STATE UNIVERSITY IS AN EQUAL OPPORTUNITY EMPLOYER  
Kansas State University actively seeks diversity among its employees.  
BACKGROUND CHECK IS REQUIRED