

NCWSS • News

North Central Weed Science Society

Vol 26, Number 2, Summer 2009

www.ncwss.org

- ▶ 2009 President - Mick Holm..... 1
- ▶ Call for Papers and Posters 2
- ▶ Call for Nomination for
Distinguished Achievement
Award 5
- ▶ Judges Needed for NCWSS
Contest..... 5
- ▶ Washington Update 6
- ▶ What's New in The Industry 9
- ▶ 2009 North Central and
North East Weed Science
Collegiate Contest 10
- ▶ CAST Report..... 11
- ▶ Memorial to Ellery L. Knake 13
- ▶ People and Places 14
- ▶ Nominations for NCWSS Fellow .. 15
- ▶ Position Announcements 15
- ▶ Weeds of The South 19



**2009 NCWSS
President—Mick
Holm**

Presidential Perceptions – Mick Holm

For many of us in the Midwest, it has been a most challenging spring. Hopefully, those of you involved in field work are making progress and you have kept your overall stress to a minimum. When we are running behind, it is easy to forget the importance of personal safety and also challenging to balance workloads around our families.

It is almost time for the summer weed contest. The contest is being hosted this year by ABG Ag Services and will be held on July 23rd near Sheridan, Indiana. The ABG team, led by Jay Dewese and Fritz Koppatschek, has been busy

preparing for the event. A highlight this year is our partnership with the NEWSS and registered teams include Penn State, Cornell and Guelph. This will be a great experience for everybody and you can/should sign up to volunteer via the NCWSS website. Thanks again to ABG for hosting the contest and I hope to see you there!

The NCWSS annual meeting will be held at the Hyatt Regency Crown Center in Kansas City on December 7 -10th. Chris Boerboom is the Program Chair and has been busy laying the groundwork for what promises to be an excellent program. The local arrangements committee is in good hands, being led by the old pro John Wollam. I think everything will run smoothly at this year's conference, If you have ideas or suggestions for the conference, please send them along to myself, Chris or John.

We have had a lot of activity around finding a replacement for Bob Schmidt. Our committee, Bill Johnson, Reid Smeda and Kevin Bradley has been working in conjunction with the SWSS to hire a new Executive Secretary/ Business Manager. We currently are soliciting bids for the position and hope to have it wrapped up by mid-summer. If you know of any interested party, please contact me or one of the committee members.

I would like to thank those of you serving on committees and everybody who's efforts help make the NCWSS strong. Have a good summer and if the opportunity arises, don't forget to get involved.



**Please send your articles for
the Fall NCWSS Newsletter to
Harlene Hatterman-Valenti by
Sept. 15th
Electronic Submission is
preferred, send articles to
h.hatterman.valenti@ndsu.edu**

Call for Papers and Posters: Titles due September 4th

64th Annual Meeting of the North Central Weed Science Society

Hyatt Regency, Kansas City, MO

December 7-10, 2009

Message from the Program Chair – Chris Boerboom

This is the Call for Papers and Posters for the 2009 Annual Meeting of the North Central Weed Science Society. This is the only notice you will receive, so mark your calendar and submit the titles of your presentations by Friday, **September 4th**. Submissions received after **September 4th** may be placed in alternate sections, switched to the poster session, or rejected, depending on the availability of space in the sections. To make title submission more efficient and convenient, paper and poster titles must be submitted using the process described on the NCWSS website: <http://www.ncwss.org>. The title submission website will be available by July 15, 2009.

The program begins Tuesday morning, December 8th, 2009, and concludes Thursday afternoon, December 10th, 2009. Similar to last year's meeting, the Tuesday morning general session will highlight a dynamic speaker from outside our typical sphere. The keynote speaker is Chris Kucharik, who earned his Ph.D. in Atmospheric Sciences and conducted research at the Center for Sustainability and the Global Environment before recently joining the Department of Agronomy at the University of Wisconsin. Dr. Kucharik will share information on the interplay between climate change and our agroecosystems. The general session will also include a Washington Report from Lee Van Wyche and the Presidential Address by Mick Holm. Symposia planned for the meeting include a Gene Flow meeting, a Statistics Symposium and Workshop for Graduate Students, What's New in the Industry, and more. Symposia Chairs will be responsible for submitting invited speaker presentations. The volunteer paper and poster sections are listed below and directions are included for submission of papers and posters into these sections.

The 2009 program will again feature graduate student paper and poster contests and an undergraduate poster contest. Guidelines for the contests are found later in this article and at our website in the NCWSS Manual of Operating Procedures. We again look forward to top-quality

presentations by the students.

Once again, submit your presentation to the appropriate section chair about 7 days before the meeting. This requires paper presentations to be prepared slightly earlier than in past years (or in the ancient days of slides). Section chairs will bring the preloaded presentations to the meeting. Please consider giving one or more presentations at our annual meeting. In addition to research, thought provoking or critical assessments of our discipline are also welcomed. Also, please pass along any suggestions on ways to make the meeting even more valuable to you and others. I look forward to an exciting conference in December.

Chris Boerboom, Program Chair
boerboom@wisc.edu, 608-262-1392

Preparing to Submit Titles

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

1. Decide whether the presentation is a poster, paper or invited symposia paper.
2. Select your first and alternate choices for the section in which you want to make your presentation. Any questions pertaining to the appropriateness of your presentation in these sections can be answered by contacting the Program Chair or the respective Section Chair.
3. Type the title, authors, affiliation (institution, agency, or company) and location (city and state) exactly the way they are to be printed in the program. Capitalize major words in the title. Include the full first name and middle initial of the authors rather than just initials. Use an asterisk (*) to designate the author who will present the paper or poster. Do not include departments or division, zip codes, or the name of the state if it is a part of the institution's name. Use the common names of weeds, herbicides, and crops. Please

Call for Papers and Posters...

follow the capitalization, punctuation, and formatting as shown in these examples, especially the listing of affiliations.

Single institution or company

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

Multiple institutions or companies

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

How to Submit Titles

Submit all titles through the NCWSS website at: <http://www.ncwss.org>. The website will be open for submissions by July 15, 2009. Follow the instructions and fill out the forms completely. Submit each paper and poster separately and only submit individual papers and posters once. The Program Chair will acknowledge receipt via an e-mail response. Please contact the Program Chair by phone or e-mail if you do not receive acknowledgement by September 15th, 2009.

Paper and Poster Section Chairs

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

Rick Schmenk - 734-828-7048
rick.schmenk@agresearchassociates.com

Aronomics Crops II (Corn , Sorghum)

Jeff Taylor - 937-884-7435
jeffrey.b.taylor@monsanto.com

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

David Simpson - 317-337-3959
dmsimpson@dow.com

Equipment and Application Methods

Gregory Dahl - 651-490-4246
gkdahl@landolakes.com

Extension

Lowell Sandell - 402-472-1527
lsandell2@unl.edu

Herbicide Physiology

Greg Kruger - 765-496-6690
gkruger@purdue.edu

Invasive Weeds

Jim Harbour - 701-261-8456
james.d.harbour@usa.dupont.com

Forestry, Industrial, Turf and Aquatics

Byron Sleugh - 515-226-2165
bbsleugh@dow.com

Horticulture and Ornamentals

Eric Ott - 517-355-5191
otter@msu.edu

Weed Biology, Ecology and Management

John Lindquist - 402-472-2771
jlindquist1@unl.edu

Poster Session

Craig Nichols - 913-541-8895
craig.nichols@syngenta.com

Program Chair

Chris Boerboom - 608-262-1392
boerboom@wisc.edu

Paper Presentations and Presentation Format

All papers will be presented with Power Point files through an LCD projector. Slide projectors **will not** be available. Electronic presentations will be limited to Power Point programs and need to be sent to the section chairs approximately 7 days prior to the meeting. Presentations are approximately 12 minutes long followed by one to two minutes for questions or comments to fit a 15 minute schedule. Contact the **Program Chair** if more time is needed. Abstracts of the paper and poster presentations will be published in the NCWSS Proceedings. Abstracts will be submitted electronically via e-mail prior to the meeting. A **Call for Abstracts and Instructions for Submitting the Abstracts** will be sent to the corresponding authors by the Proceedings Editor after titles are submitted.

Poster Presentations

All posters will be set up on Monday and available for viewing on both Tuesday and Wednesday. All posters should be removed by 4:00 p.m. on Wednesday. One poster mounting board,

Call for Papers and Posters...

approximately 48 by 48 inches, supported on an easel will be provided by the NCWSS. Posters will be arranged according to subject, so please indicate your section preference on the **Title Submission Form** on the NCWSS website. Additional details will be mailed to each poster session participant following title submission.

Call for Sustaining Member and Sustaining Member Displays

Contact the chair of the Industry Committee, Leslie Lloyd (641-792-3009; leslie.lloyd@monsanto.com) for information on how to become a Sustaining Member of the NCWSS. Sustaining member displays can be set up Monday afternoon and should be removed by 4:00 p.m. Wednesday.

Graduate Student Paper Contest

Any graduate student who is registered at the NCWSS meeting and has conducted research while they were student in the North Central Region is eligible to compete, except for those who won first place in a previous contest (students can win first place once per degree). Awards will be presented to the first and second place winners in the graduate student paper contest at the banquet on Wednesday. Graduate students may enter the paper contest by checking the appropriate box when submitting the paper's title. Abstracts must be submitted electronically via e-mail prior to the meeting. A **Call for Abstracts** and **Instructions for Submitting Abstracts** will be sent to the corresponding authors by the Proceedings Editor after titles are submitted. The criteria for evaluation of presentations in the student contest can be found at the NCWSS website in the *Manual of Operating Procedures* (www.ncwss.org). The chair of the graduate student paper contest is John Lindquist (402-472-2771; jlindquist1@unl.edu).

Graduate Student Poster Contest

The graduate student poster contest is similar to the graduate student paper contest. Graduate students may enter the poster contest by checking the appropriate box when submitting the poster's title. Abstracts must be submitted electronically via e-mail prior to the meeting. Students **should** have copies of their poster available during the poster session. A **Call for Abstracts** and

Instructions for Submitting Abstracts will be sent to the corresponding authors by the Proceedings Editor after titles are submitted. The criteria for evaluation of presentations can be found at the NCWSS website in the Manual of Operating Procedures (www.ncwss.org). Awards consist of certificates of achievement and monetary awards for first place and second place in each division. The chair of the graduate student poster contest is Brady Kappler, (402-432-1469; brady.kappler@basf.com).

Undergraduate Student Poster Contest

The NCWSS will sponsor an undergraduate poster contest at the annual meeting in Kansas City. The purpose of this contest is to encourage undergraduate students who have conducted research in weed science to present their results to the society in poster format, to gain experience, and interact with other scientists and students. The contest will be held in conjunction with the Graduate Student Poster Contest, with the same rules and evaluation guidelines. The criteria for evaluation of presentations can be found at the NCWSS website in the Manual of Operating Procedures. Students should have a faculty sponsor who is a member of the NCWSS to provide guidance in poster preparation. Undergraduate students may enter the poster contest by checking the appropriate box when submitting the poster's title. Abstracts must be submitted electronically via e-mail prior to the meeting. A **Call for Abstracts** and **Instructions for Submitting Abstracts** will be sent to the corresponding authors by the Proceedings Editor after titles are submitted. Students **should** have copies of their poster available during the poster session. Awards consist of certificates of achievement and monetary awards for first and second place in each division. As chair of the graduate student poster contest, Brady Kappler, (402-432-1469; brady.kappler@basf.com) will also coordinate the undergraduate poster contest.

Call for Nominations for Distinguished Achievement Awards

Each year we recognize the contributions of outstanding members through the Distinguished Achievement Awards. The process is simple and the rewards to the honorees are well worth

the effort. NCWSS can present up to five Distinguished Achievement Awards each year from among the following categories:

**Research
Service**

**Industry
Professional Staff**

**Education
Young Scientist**

The nomination guidelines are the same for all categories of Achievement Awards and consist of four parts:

- 1) cover page
- 2) evaluation statement
- 3) brief curriculum vitae or similar document that gives information on:
 - degrees received
 - memberships in honorary and professional societies
 - honors and awards received
 - professional positions held
 - professional contributions during the last 10 years
- 4) three letters of support: one from the nominator and two from others

Details of the nomination process and eligibility of nominees can be found on page 27-28 of the NCWSS Manual of Operating Procedures available on our website: www.ncwss.org.

Nominators need to initiate the process early to procure letters of support prior to the application deadline. Submissions of all nomination materials are due **September 15, 2009**.

Send completed nomination packages and any questions about our Distinguished Achievement Awards to:

Bill Johnson
Department of Botany and Plant Pathology
Lilly Hall of Life Sciences
Purdue University
915 W. State Street
W. Lafayette, IN 47907

Email wqj@purdue.edu

Judges needed for NCWSS contests

The Resident Education Committee requests volunteers to help judge in the graduate student poster and oral paper contests. To volunteer to judge, please contact the following people

For the Graduate Student Paper Contest:

John Lindquist
402-472-2771
jlindquist1@unl.edu

For the Graduate Student Poster Contest:

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

For the Undergraduate Student Poster Contest

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

Your support and service to the Society are greatly appreciated.

Washington Update

By Lee Van Wychen
May 2009

Weed Science Society Presidents Ask EPA to Pursue Rehearing

On March 30, 2009, the presidents of the Weed Science Society of America (WSSA), the Aquatic Plant Management Society (APMS) and the four regional weed science societies (NCWSS, NEWSS, SWSS, WSWS) asked EPA Administrator Lisa Jackson that her agency request a rehearing of the Sixth Circuit Court of Appeals [decision](#) that invalidated EPA's 2006 Final Rule that held that National Pollutant Discharge Elimination System (NPDES) permits from the Clean Water Act (CWA) were **not** required as long as pesticides were **sprayed in compliance** with the **Federal Insecticide, Fungicide, and Rodenticide Act** (FIFRA). The WSSA ardently supported this rule. The following is selected text from the [weed science society president's letter](#) to EPA:

Our science societies fully support government regulation of pesticide use. In fact, we believe FIFRA represents a significant government success story. Thanks to the extensive research and risk assessments that FIFRA requires, we've been able to safely improve crop yields, hold down food costs, reduce tillage and erosion, protect natural habitats and keep our drinking water safe.

If the Court of Appeals ruling stands, though, we run the risk of unraveling the more than 60 years of progress we've made under FIFRA. Here are a few

points we ask you to consider:

- *Any pesticide marketed in the U.S. has undergone an extensive, science-based risk assessment and carries a very specific label governing its safe and effective use.*
- *A new permitting system would impact tens of thousands of growers and gardeners and leave them open to legal action – without offering any additional protective value.*
- *A new permit system will be an unfunded mandate that places an unfair and costly burden on the states further eroding our economy at a time when they can least afford it.*
- *The new permits could delay effective treatment times and allow invasive plants to spread like a biological wildfire that could reduce crop yields, clog irrigation ditches, overrun bodies of water and impact millions of acres of federally managed natural habitats that have been protected for future generations.*

Ultimately, we believe this new process holds the potential to derail our longstanding, science-based successes in weed and invasive plant management – negatively impacting U.S. agriculture, our food and water supply and our nation's economy. We strongly urge you to file a petition for rehearing before the April 9 deadline.

The WSSA, the USDA (Secretary Vilsack), the Senate Agriculture Committee (Chairman Harkin and Ranking Member Chambliss), the National Association of State Departments of Agriculture (NASDA) and many other groups strongly advised that EPA request a rehearing of the Sixth Circuit Court decision by the April 9, 2009 deadline. Unfortunately, EPA, through the Department of Justice, did not petition for a rehearing.

Instead, EPA has submitted a request to the court for a 24 month stay in the court's decision to vacate the 2006 EPA rule. EPA estimates that it needs until **April 9, 2011** before the rule is vacated to develop, propose, and take final action to issue an NPDES general permit that would be consistent with and satisfy the CWA requirements. The following information was presented to the Sixth Circuit Court on April 8, 2009 in a statement to "stay the mandate" by James Hanlon, Director of the Office of Wastewater Management in EPA's Office of Water:

*EPA has determined that the Court's decision clearly impacts the following point source discharges to, over or near waters of the United States: discharges of chemical pesticides that leave a residual or excess and discharges of all biological pesticides. My staff has also worked with the EPA Office of Pesticide Programs (OPP) to clarify what pesticide use patterns **will trigger a requirement** to obtain an*

Washington Update

NPDES permit. **At least the following large categories are covered when sprayed to, over, or near waters of the United States:**

- *Mosquito larvicides*
- *Mosquito adulticides*
- *Herbicides used to control weeds in lakes and ponds*
- *Herbicides used to control weeds in irrigation systems and other waterways*
- *Herbicides used to control weeds along ditch banks in agricultural drainage systems*
- *Insecticides used in wide-area insect suppression programs*
- *Herbicides used in wide-area control programs directed at aquatic invasive plant species*
- *Herbicides, insecticides and other pesticides used in forestry programs when applied over waters of the United States.*

Using available information sources, EPA OPP estimated the number of pesticide applicators and applications for the identified use patterns identified above. OPP estimates that these categories represent approximately 365,000 applicators and 5.6 million applications a year.

Again, the above statements by EPA were some of the reasons EPA gave to support its request for a 2 year delay in the court's decision to provide enough time for the Agency to write and publish a rule under the Clean Water Act for a national general permit by regulation addressing

aquatic applications or applications of pesticides made on/over/near water.

At the same time on April 9, 2009, CropLife America, the American Farm Bureau Federation, the National Cotton Council, and other groups filed a petition for a rehearing before the entire 24-member U.S. Court of Appeals for the Sixth Circuit. The petitioners challenged that the 3-judge panel's interpretation of the Clean Water Act statutes and that the court misconstrued the reach of the NPDES program and "could impose permitting on virtually any nozzle, tailpipe, or garden hose."

What does all of this mean?

I've received panicked calls from a number of weed managers across the country. The Sixth Circuit Court arguably broadened the scope of the Clean Water Act to include virtually all pesticide applications. The WSSA wants to ensure that FIFRA remains the **preeminent federal law for pesticide regulation that protects both people and the environment.** The extensive research and science-based risk assessments required by FIFRA should not be jeopardized by politics or "environmentalist" lawyers who don't know the difference between hand-weeding and horseweed.

As of mid-April, 2009, **EPA's 2006 Final Rule will stand as is** until such time as all appeals/stays/re-hearings are settled. Again, that rule says that NPDES permits are not required for pesticides sprayed to, over, or near waters of the United States as long as those pesticides are sprayed in compliance with FIFRA. In other words, we are a long way from the end of this.

2009 Omnibus Public Land Management Act Becomes Law

On April 2, 2009, the Omnibus Public Land Management Act became Public Law 111-11. The law extends wilderness protections to 2.1 million acres of federal lands and elevates dozens of additional natural areas to new prominence within the public lands sphere.

The bill established the National Landscape Conservation System (NLCS), a 26-million-acre patchwork of ecologically and historically valuable lands owned by the Bureau of Land Management (BLM).

The omnibus also authorizes 15 new or expanded wilderness areas, constituting the largest expansion of the National Wilderness Preservation System since 1994.

In Title IV of the lands bill, language from Sen. Bingaman and former Sen. Pete Domenici establishes a "forest landscape restoration program" to prioritize and fund fire-suppression and other beneficial ecological treatments for forests under the jurisdiction of the BLM and Forest Service. Federal land managers would work with state and local authorities to identify parcels of at least 50,000 acres of mainly National Forest System lands needing active ecosystem restoration and authorizes \$40 million in funds to be appropriated for each of fiscal years 2009 through 2019.

USDA Secretary Tom Vilsack Lists Top Six Priorities

- Combating childhood obesity and enhancing health and nutrition, indicating that the Department should play a key role in the public health



USDA Secretary Tom Vilsack

debate and that nutrition programs should be seen as an opportunity to both alleviate hunger and prevent health care problems.

- Advancing research and development and pursuing opportunities to support the development of biofuels, wind power, and other renewable energy sources, saying that USDA needs to make sure that the biofuels industry has the necessary support to survive recent market challenges while promoting policies that will accelerate the development of next-generation biofuels that have the potential to significantly improve our energy independence.
- Making progress on major environmental challenges, including climate change. Vilsack said it's important that farmers and ranchers play a role with USDA in efforts to promote incentives for management practices that provide clean air, clean water, and wildlife habitat, and help farmers participate in markets that reward them for sequestering carbon and limiting greenhouse gas emissions.

- Supporting the profitability of farmers and ranchers by providing a safety net that works for all of agriculture, including independent producers and local and organic agriculture, and enforcing the Packers and Stockyards Act.
- Quickly implementing the 2008 Farm Bill; modernizing the food safety system; and investing in programs that alleviate hunger and suffering overseas and support long-term agriculture development.
- Restoring the mission of the Forest Service as a protector of clean air, clean water, and wildlife habitat; a provider of recreation opportunities; a key player in reducing greenhouse gas emissions and carbon sequestration. Vilsack indicated that it is important that we appropriately budget for wildfires so that the Forest Service has the resources it needs for both wildfires and its other missions.

USDA Unveils Updated Research, Education and Economics Information System

USDA Secretary Tom Vilsack unveiled an updated version of USDA's Research, Education and Economics Information System (REEIS), which allows the public to measure the impact and effectiveness of USDA's research, education and extension programs. The latest version adds additional data sources, opens data to Google Search and provides for extended data analysis.

REEIS version 5.0 includes the following new features:

- Project information will now include data from 2007 Accomplishment Reports from the Plan of Work System, and active and recently completed projects in the Current Research Information System (CRIS) database;
- More than 40,000 new and recently completed research projects and more than 1,000 planned programs are now easily accessible through Google Search; and
- Extended data analytics provide new reports and charts that focus on formula grant rankings and project trends by state, region, institution and knowledge area.

Since its initial development in 2002, REEIS has grown and expanded its data repository. REEIS currently houses information from several government agencies, including the Agricultural Research Service, CSREES, Economic Research Service, National Agricultural Statistics Service and U.S. Forest Service.

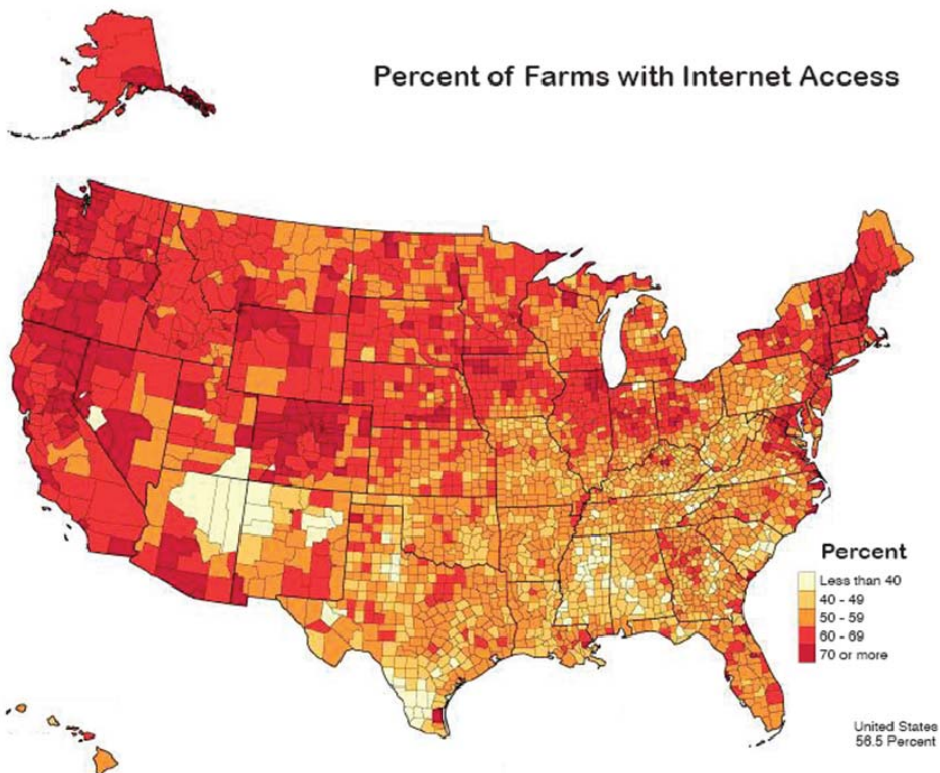
REEIS offers information ranging from agricultural and forestry research projects, to state accomplishment reports, statistics on funding, publications, institutions, faculties and students. For more information on REEIS, visit www.reeis.usda.gov

Washington Update

USDA 2007 Census of Agriculture Is Available

USDA released the entire 2007 Census of Agriculture data on February 9, 2009. The National Agricultural Statistics Service (NASS) counted 2,204,792 farms in the US in 2007. The larger farms, over \$500,000 in sales increased in number as did the small farms, less than \$2,500 in sales. The farms in between declined in number. There are some excellent farm demographics throughout the report. For example, the 2007 Census shows both internet access and high-speed internet access at the county level for the first time. The 2007 census of agriculture is [available here](#). Enjoy! ◇

Lee Van Wychen, Ph.D.
Director of Science Policy
The National and Regional Weed Science Societies
900 2nd St. NE, Suite 205
Washington, DC 20002
Lee.VanWychen@WSSA.net



What's New in the Industry?

This is an initial request to interested participants for the upcoming 'What's New in the Industry' session at the NCWSS in Kansas City. This has been a popular session at previous conferences. If your organization would like a time slot on the program, please let me know and select a presenter to represent your organization. Please keep in mind our goal is to let industry members of the NCWSS update the society on product labels, organizational changes, acquisitions, etc. To that end, each presenter will be given 5 to 10 minutes, depending on the number of participants. We want the information to be useful and informative, yet succinct so the session can be kept moving. This session should not be used for extensive data presentation or extensive promotion of products, but rather as an opportunity to provide sound technically based information to assist in the proper use and stewardship of your products. Thank you for your interest in this session at the NCWSS meeting. Please forward this information to your colleagues and let me know if your organization would like a time slot in the session.

Sincerely,

Terry Carmody
terence.carmody@syngenta.com
605-371-9683

2009 North Central and North East Weed Science Collegiate Contest



The 2009 North Central and North East Weed Science Collegiate Contest will be hosted by ABG Ag Services located near Sheridan, Indiana on July 22 and 23. Registration will begin July 22 at 4:30 p.m., followed by dinner at 5:30 and a short program with introductions and contest coordination details.

Volunteers are needed for various contest events. Volunteer forms and information on volunteer duties can be found on the ncwsss.org website under the weed contest link. Please return the volunteer forms to ABG Ag Services by June 21, 2009. All volunteers will need to meet the day before the contest (July 22) at 1:30 p.m. to become familiar with specific roles.

Invitations to the colleges were mailed in February. If you did not received an invitation, and would like to send a team, please contact Jay Deweese.

Thanks in advance. We look forward to seeing you in July.

Jay Deweese CCA

ABG Ag Services LLC.
jdeweese@abgagservices.com
www.abgagservices.com
Direct Line 317.415.0617





SUMMARY OF ACTIVITIES

January - March 2009

New Publications

- CAST released Issue Paper 41—***Ruminant Carcass Disposal Options for Routine and Catastrophic Mortality***—at the 2009 **Cattle Industry Convention and National Cattlemen's Beef Association Trade Show** in Phoenix, Arizona. CAST Executive Vice President John Bonner made the introduction, and Task Force Chair Marty Vanier presented the paper (*January*).
- CAST launched its weekly electronic newsletter—"Friday Notes"—with updated graphics, a quick-link table of contents, streamlined news sections, and a new distribution system that will allow tracking and feedback from each distribution of the Notes (*January*).
- CAST prepared its 2008 **Annual Report**, which includes a summary of activities for the past year, a message from CAST President Henry Shands, membership information, and a list of CAST Board Members. The Report is available on the CAST website (www.cast-science.org) (*February*).
- CAST released Issue Paper 42—***Scientific Assessment of the Welfare of Dry Sows Kept in Individual Accommodations***—at the **American Dairy Science Association/American Society of Animal Science Midwestern Section Annual Meeting** in Des Moines, Iowa. Don Beitz, former CAST President, introduced the paper, and Stanley Curtis, Task Force Chair, made the presentation. The number of visitors to the CAST website nearly doubled following the publication's release. The new paper received broad national and international media coverage both online and in print, and was featured on the front page of *Feedstuffs* magazine, the newspaper for agribusiness (*March*).

Presentations and Partnerships

- Dee Ellis, Task Force Reviewer for *Ruminant Carcass Disposal Options for Routine and Catastrophic Mortality*, presented all three CAST Carcass Disposal papers at the **U.S. Composting Council Conference in Houston, Texas** (*January*).
- John Bonner participated in a meeting of the Council of Engineering and Scientific Society Executives in **San Juan, Puerto Rico** (*March*).
- CAST introduced the three papers in its Carcass Disposal Series (*Swine, Poultry, and Ruminant*) at the **National Cattlemen's Beef Association** and the **USDA National Resources Conservation Service in Washington, D.C.** John Bonner provided an introduction, and CAST Board Member and Issue Paper Author Nat Tablante presented the publications (*March*).
- CAST Executives and Staff participated in the Agriculture Council of America's (ACA) **National Ag Day** activities in Washington, D.C., which included a presentation by this year's National Ag Day Student Essay Contest winner Kelly Kohler. CAST is a "Champion Plus" sponsor of the annual contest, and John Bonner, representing CAST, serves as a member of the ACA Executive Board (*March*).
- Four CAST Issue Papers—*Swine, Poultry, and Ruminant Carcass Disposal Options for Routine and Catastrophic Mortality*, and *Scientific Assessment of the Welfare of Dry Sows Kept in Individual Accommodations*—were distributed at the **Virginia Agroterrorism Conference in Smithfield, Virginia**. Allen Harper, Task Force Chair, made CAST materials available for attendees (*March*).

Norman Borlaug and Gale Buchanan Support CAST

- Norman Borlaug—winner of the Nobel Peace Prize, the Presidential Medal of Freedom, and the Congressional Gold Medal, and supporter and promoter of CAST since its inception— released a letter congratulating CAST on 36 years of effectively communicating agricultural science and encouraged increased support for CAST’s work. The letter was published in the January 9 issue of “Friday Notes.”
- Gale Buchanan—former USDA Under Secretary for Research, Education, and Economics, and past president of CAST—issued a special message reviewing the history of CAST and its vital role in the future of agriculture. His letter was published in the January 30 issue of “Friday Notes.”

CAST Board Meeting

CAST’s Spring Board of Directors’ Meeting was held in Washington, D.C. March 17–19. Former CAST President Gale Buchanan, who recently served as USDA Under Secretary for Research, Education, and Economics, was the keynote speaker. Other speakers who addressed the Board included Fran Boyd, Senior Vice President of Meyers & Associates, a Washington-based government relations/business consulting firm; Mark B. Halverson, Staff Director/Chief Counsel for the Senate Agriculture, Nutrition, and Forestry Committee from the office of Senator Tom Harkin; Richard Reynnells, National Program Leader for Animal Production Systems at the USDA Cooperative State Research, Education, and Extension Service; and Ephraim King, Director of the Office of Science and Technology, U.S. Environmental Protection Agency. CAST presented the 2009 Charles A. Black Communication Award to Richard Wayne Skaggs, Department of Biological and Agricultural Engineering, North Carolina State University. Dr. Skaggs, author of more than 350 scientific publications, developed a computerized water management model that helps predict how particular waste management procedures will affect the water table depth, soil water regime, and crop yields. The model has been reengineered to expand its capabilities and has been adopted worldwide.

CAST Programs and People

- CAST noted the completion of its first year of tracking hits on the CAST website. Between January 17, 2008, and January 19, 2009, the website was accessed more than 26,388 times by individuals from 151 different countries (*January*).
- Elizabeth Burns-Thompson, an Iowa State University freshman majoring in Agricultural Business, joined the CAST Staff as a part-time Administrative Assistant (*January*).
- CAST began a 2009 promotion offering several of its older publications in boxed quantities of 45–400 free for only a small shipping charge (*January*).

The Council for Agricultural Science and Technology (CAST) has a core membership of 34 scientific societies that represent about 170,000 member scientists. CAST’s broad base enhances the opportunities to represent agricultural and scientific research and knowledge in the public policy arena. The information in this summary is compiled from each week’s “Friday Notes” distributed by the CAST Editorial Department. Further details are available on the CAST website (www.cast-science.org) or by contacting the CAST office at 515-292-2125.

University of Illinois
College of Agricultural, Consumer and Environmental Sciences
Memorial to

Ellery L. Knake

August 26, 1927–March 1, 2009

Dr. Ellery L. Knake, Professor Emeritus of Agronomy and Weed Science at the University of Illinois, passed away March 1, 2009. Dr. Knake, an internationally-recognized authority in weed science, demonstrated an unrivaled passion for bringing innovative weed management solutions to Illinois farmers during his 37-year tenure at the University of Illinois.

Ellery was born August 26, 1927 in the small Ford County Illinois farming community of Gibson City to Louis Franz and Wilhelmina (Minnie) Dortha Behrens Knake. During his grade school years Ellery's family lived in Danville, Illinois, but then moved to a farm west of Cissna Park. Ellery enrolled in vocational agriculture in high school.

He married Colleen "Connie" Mary Wilken on June 23, 1951 in Gilman, Illinois. They had two sons, Gary (Pleasant Hill, Illinois) and Kim (Longmont, Colorado), during their 54 years of blissful marriage. Their deep love and commitment was still strong when Connie passed away in 2005. Many close friends and associates knew Ellery and Connie to be gracious hosts of social gatherings that fostered great esprit de corps.

Ellery's association with the University of Illinois began when he enrolled for undergraduate courses in the fall of 1945. Six weeks later he was drafted into the United States Army, where he served from 1945 to 1946. He returned to the University of Illinois the following year under the GI Bill and completed his B.S. in vocational agriculture in 1949, and his M.S. in 1950. Ellery taught high school at Barrington, Illinois for six years until he returned to the University of Illinois in 1956 as an instructor with the vocational agriculture service. While an instructor, Ellery began a Ph.D. program in agronomy under the direction of Dr. Fred Slife, completing it in 1960. His thesis research investigated the competitive influence of giant foxtail on corn and soybean, culminating in the publication of the seminal research that defined the critical period of interference between giant foxtail and these agronomic crops.

Ellery's Ph.D. research marked the beginning of his fascination with weeds, and ushered in his career-long pursuit to better understand how weeds

adversely impact agronomic crops. Upon completing his Ph.D., he became an assistant professor of agronomy at the University of Illinois and advanced through the ranks of associate professor-1964 and professor-1969. Much of Ellery's early research on weed competition pioneered the establishment of thresholds for several annual grass and broadleaf weed species and provided economic justification for use of soil-residual herbicides. He provided critical leadership in creatively developing and promoting weed control technology for conservation tillage systems. He was instrumental in developing a simplistic color chart to determine soil organic matter content so application rates of soil-residual herbicide could be optimized. Ellery also conducted some of the earliest research to develop techniques for flame cultivation. Much of Ellery's research in later years was devoted to optimizing performance of soil- and foliar-applied herbicides in conventional and no-tillage cropping systems.

Ellery was extremely active in, and made countless contributions to, professional scientific societies. His selfless dedication and enthusiasm to service within scientific societies can be lauded as benchmarks toward which early-career scientists can strive. He served through the ranks of presidential succession in both the North Central Weed Science Society and the Weed Science Society of America, and provided service and leadership on innumerable society committees. Ellery was the editor of the WSSA publication *Weeds Today* for five years, and served on the editorial boards for the first two editions of the *Herbicide Handbook*. Dr. Knake initiated the ongoing tradition of passing along to the incoming president of the North Central Weed Science Society a small wooden rocking chair with a jimsonweed pod attached to the seat.

Dr. Knake did not restrict his enthusiasm only to Illinois. He worked diligently at the regional and national levels to influence governmental programs and policy for the benefit of farmers and weed science. Ellery was instrumental in the adoption and implementation of the Federal Noxious Weed Law to help curb the introduction of new weed species into the United States. He interacted very closely with the (then) newly formed United States

Memorial to Ellery L. Knake

Environmental Protection Agency to encourage adoption of policies and regulation based on scientific merit. Ellery played a prominent role in the initial classification of pesticides and the establishment of the pesticide applicator training program. He served in advisory capacities for the Office of Technology Assessment of the United States Congress and the Natural Research Council of the National Academy of Sciences. He was invited by USDA-Extension to assist in establishing national guidelines for the Pesticide Impact Assessment Program.

Dr. Knake's enthusiasm for research was surpassed only by his passion for extension. He aggressively planned and conducted numerous field research experiments to find solutions for emerging weed problems, and then took the results to his clientele via a plethora of media. Ellery wrote extensively for newsletters and served as a source for countless articles in the popular farm press. He was a stalwart presence and presenter at county agronomy days and campus-based conferences.

Ellery's compelling methods of education were enlightening, imaginative, and entertaining. Ellery retired from the professorial ranks at University of Illinois in 1997. During his career he was the recipient of numerous honors and awards, including recognition as a Fellow of the Weed Science Society of America and American Society of Agronomy, an Honorary Member of the North Central Weed Science Society, and the Paul A. Funk Award, the highest award bestowed upon faculty in the College of Agricultural, Consumer and Environmental Sciences at the University of Illinois. He was the first recipient of the WSSA's Outstanding Extension Worker Award in 1972. Ellery received many other awards of merit and recognition from a diverse group of agricultural organizations. ♦

People and Places

Dr Jose Maria Urbano.

Dr Jose Maria Urbano, from Spain, will be on three-month sabbatical this summer at the USDA-ARS Soils Lab in Morris, Minnesota. Dr Urbano is a professor at the University of Seville. His home department is the "Departamento de Ciencias Agroforestales," which is housed within a center called the "Escuela Universitaria de Ingenieria Tecnica Agricola."

Dr Urbano is involved with teaching and research at the University Seville. Teaching involves courses related to plant protection. His research interests are varied, but a recent activity emphasized herbicide resistance, especially Conyza tolerance to glyphosate. Dr Urbano also has many national and international roles in weed science, with organizational activities, for example, in SEMh, ALAM, and EWRS.

While in Morris, Dr Urbano will be working with Frank Forcella and examining relationships between soil microclimate and weed seed behavior. Primary species of emphasis are wild oat and common lambsquarters. Large datasets exist for both

species, and these have been derived from multiple experimental sites around the world. Whatever associations can be derived for these species and soil microclimate should have international relevance.

Should you be traveling near Morris this summer, feel free to drop by the Soils Lab and meet Jose. His telephone number will be 320-589-3411 x161 from June 1 to August 31.

Dr Vince Davis

Vince Davis completed a Ph.D. in Weed Science with Bill Johnson at Purdue University. He is now employed as an Assistant Professor of Agronomy and Extension Soybean Specialist at the University of Illinois.

Valerie Mock

Valerie Mock completed a M.S. with Bill Johnson at Purdue University. She is now employed as a Research Associate with Vince Davis at the University of Illinois.

Nominations for NCWSS Fellow

Now is the time to nominate distinguished members of the North Central Weed Science Society for the Fellow award. This prestigious award is presented to those who have made significant contributions to

our Society and the discipline of Weed Science. Each year the NCWSS can recognize up to 0.5 percent of its members as a Fellow. Eligible nominees must have been active in the NCWSS and should have made substantial contributions in more than one of the following areas: 1) Professional publications, 2) Educational contributions other than publications, 3) Development or improvement of Weed Science programs, practices, or products, 4) Service of NCWSS, 5) Service to Weed Science outside of NCWSS, and 6) Other professional contributions.

The NCWSS has several members worthy of recognition as Fellow. The nomination procedure is described in the Manual of Operating Procedures, Section 3 (Rules), Chapter 1 (page 22) on the NCWSS Website: <http://www.ncwss.org/>. Nominators need to start the process early to procure letters of support for the nomination. The deadline for receipt of nominations is September 1. Nominations should be sent to:

Phil Stahlman
Fellow Committee Chair
785-625-3425
stahlman@ksu.edu

Position Announcements

MS PhD GRADUATE ASSISTANTSHIPS AGRONOMY, ENTOMOLOGY, HORTICULTURE AND SOIL SCIENCE PENNSYLVANIA STATE UNIVERSITY

POSITION: MS or PhD Graduate Assistantships available in Agronomy, Entomology, Horticulture, and Soil Science at The Pennsylvania State University to study sustainable cropping systems based on ecological principles. Cropping-system practices are being designed to minimize pest populations, conserve nutrients, soil, energy, and off-farm inputs.

FUNDING: A recently funded 3-year project with a team of Penn State and USDA-ARS scientists, is seeking graduate applicants for 2009/2010 (even though it is late in the application process) and for 2010/2011.

CONTACT INFORMATION: For more information, contact: Dr. Heather Karsten or Dr. Douglas Bee-
gle, Department of Crop and Soil Sciences (hdk3@psu.edu; 814-863-3179; dbb@psu.edu); Dr.
John Tooker, Department of Entomology (tooker@psu.edu; 814- 865-7082), or Dr. Roger Ko-
ide, Department of Horticulture (rxk13@psu.edu, 814-863-0710).

Position Announcements

WEED SCIENTIST, WEED CONTROL IN NORTH DAKOTA CROPPING SYSTEMS ASSISTANT/ASSOCIATE PROFESSOR AVAILABLE IN THE DEPARTMENT OF PLANT SCIENCES NORTH DAKOTA STATE UNIVERSITY, FARGO, ND 58105

POSITION: This tenure track position at the assistant/associate professor rank in the Department of Plant

RESPONSIBILITIES: Sciences is 75% research and 25% teaching. Responsibilities will include weed science research to address producer concerns in North Dakota cropping systems such as annual and perennial weed control, application technology, and/or weed biology. Both field and laboratory research is expected. The selected individual will teach one course each semester in World Food Crops and Principles of Weed Science. The successful applicant is expected to advise graduate and undergraduate students, interact with commodity groups, become involved in undergraduate clubs and teams, and participate in university activities.

RESEARCH FACILITIES: Field, laboratory, and state-of-the-art greenhouse facilities and equipment are available along with technical support. Cooperation with other plant scientists in related disciplines is expected.

REQUIRED QUALIFICATIONS: Required qualifications include a Ph.D. in weed science or a related discipline, demonstrated experience in field and laboratory research techniques, familiarity with statistical analysis, good written and oral communication skills, and ability to work as a team member. Qualifications preferred but not required are farm background, university teaching and advising experience, and experience in writing grant applications

RANK, SALARY & FRINGE BENEFITS: Commensurate with training and experience, employer participating TIAA and CREF retirement, Social Security, paid annual and sick leave, paid disability, and group health and life insurance. Position available immediately.

CLOSING DATE: July 1, 2009 or thereafter until position is filled.

APPLICATION PROCEDURES: Screening of applications begins immediately after the closing date and will continue until a suitable candidate is identified.

For full consideration, candidates must apply on-line at <https://jobs.ndsu.edu>

The following materials must be submitted online: A letter of application discussing how the stated qualifications are met. A detailed resume. Official academic transcripts from all institutions attended. Statement of teaching philosophy. Three current letters of reference. North Dakota State University does not discriminate on the basis of race, color, national origin, religion, sex, disability, age, Vietnam Era Veterans status, sexual orientation, marital status, or public assistance status.

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

Position Announcements

EXTENSION ASSISTANT PROFESSOR OF WEED SCIENCE DIVISION OF PLANT SCIENCES, COLLEGE OF AGRICULTURE, FOOD AND NATURAL RESOURCES UNIVERSITY OF MISSOURI

POSITION: This is a Professional-track (non-tenure) Commercial Agriculture Extension position in the Division of Plant Sciences, College of Agriculture, Food and Natural Resources, University of Missouri.

This position is located at the Delta Research Center (DRC) near Portageville in Southeast Missouri. Five other faculty members in the Division of Plant Sciences are located at the DRC and they are responsible for the research and extension needs of Southeast Missouri agricultural producers. DRC facilities include over 1,000 acres of land for field research, laboratories, greenhouses, cotton gin, auditorium, offices, library, a state of the art soil test laboratory and teleconferencing center.

RESPONSIBILITIES: To develop and promote a program in applied weed control extension and outreach with an emphasis on cotton, rice, soybean, corn and other important field crops produced in the Missouri Delta region.

Specific responsibilities include:

- Develop a nationally recognized extension program for economically important weed species in one or more major agricultural crops produced in SE Missouri.
- Develop and promote effective weed control management programs based on producer needs and sound IPM principles. Extension clientele include large commercial farmers, agricultural consultants, and industry representatives.
- Disseminate applied information by publishing in extension and research journals and delivering presentations at scientific conferences; transfer information to the producers and industry by delivering oral and written results as appropriate in newsletters, farm magazines, and internet websites.
- Advise or co-advise graduate students.
- Cooperate with extension and research colleagues at the Delta Research Center, at the Columbia campus, and in University of Missouri Extension.
- Participate, as appropriate, in committees and other activities of the Division of Plant Sciences.

The appointee will serve as a member of the interdisciplinary Commercial Agriculture Crops Focus Team that includes faculty in plant science, soil science, biological engineering, and agricultural economics. The Commercial Agriculture Program develops and implements educational programs that assist Missouri crop producers and related agri-business to increase production efficiencies, reduce impact on air and water quality, improve their competitive positions, and increase profitability. This extension position also effectively integrates the weed control discipline at the Delta Research Center and within the Division of Plant Sciences with other disciplines such as entomology, plant pathology, nutrient management, and crop production. The appointee will report to the Director of the Division of Plant Sciences and will be evaluated jointly by the Division Director and the Director of The University of Missouri Extension Commercial Agriculture Program.

Position Announcements

REQUIRED QUALIFICATIONS: Qualifications: The appointee must have a Ph.D. in agronomy or related discipline with an emphasis in weed science and with training and/or experience in applied research and be familiar with the region's cropping systems. Postdoctoral training and experience are highly desirable.

SALARY & BENEFITS: Salary will be commensurate with training and experience. Benefits available include health, dental, life, and disability insurance and a retirement plan.

DATE AVAILABLE: Will begin reviewing applications September 1, 2009 and will accept applications until a qualified candidate is identified.

APPLICATION PROCEDURES: Candidates should send, as a Word or PDF file and a hard copy, a curriculum vitae, transcripts, reprints, and statement of career goals and arrange for three letters of reference to be sent to:

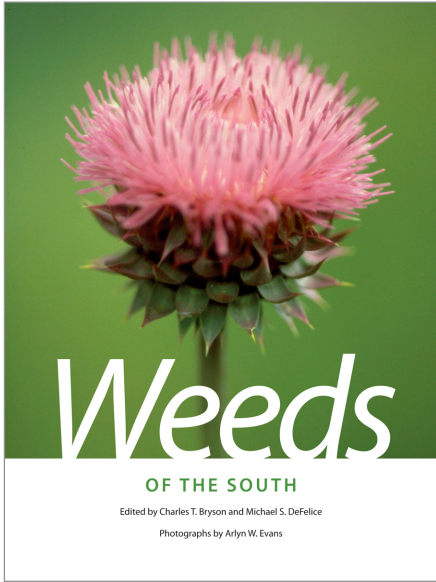
Extension Weed Scientist Search Committee, c/o Christa Smith,
Division of Plant Sciences, 1-41 Agriculture Building,
University of Missouri, Columbia, MO 65211,
smithchrista@missouri.edu.

Questions regarding the position should be directed to Dr. Gene Stevens, 573-379-5431, stevensw@missouri.edu; or Dr. Kevin Bradley, 573-882-4039, bradleyke@missouri.edu

The University of Missouri-Columbia is an Equal Opportunity/Affirmative Action employer. To request ADA accommodations, please contact our ADA coordinator. (V/TTY)

**If you are a member of NCWSS and
with to announce a position please
submit your announcement to
Harlene Hatterman-Valenti at
h.hatterman.valenti@ndsu.edu**

Some formatting may occur, but content will not be altered.



WEEDS OF THE SOUTH

**Edited by Charles T. Bryson
and Michael S. DeFelice**

Photographs by Arlyn W. Evans

Publication date: June 15, 2009

Flexibind with flaps, \$39.95 | 978-0-8203-3046-4

7.5 x 10 | 512 pp.

1,500 color photos | 125 illustrations | 405 maps

*Published in association with
the Southern Weed Science Society*

Praise for the book

“*Weeds of the South* is quite honestly the best publication of its type that I have seen. It brings together a superb combination of information on plant history, preferred habitat, North American distribution, and identification characteristics that is par excellence. The quality of the photographs alone makes this book well worth owning, and the key has been specifically created for those plants in this publication, making it well-suited for anyone in the southeastern U.S.”

—David Shaw, President of the Weed Science Society of America

“Cleanly formatted through years of endeavor, *Weeds of the South* is straight-forward and concise, and it provides an invaluable weed key to the Family level. This comprehensive and detailed identification guide, with its unsurpassed imagery and illustrations, will benefit southern weed scientists, crop and land managers, students, and botanists for decades.”

—James H. Miller, co-author of *Forest Plants of the South*

“Any professionals interested in weed ID should have this book on their shelves or in their trucks.” —Tom Mueller, Professor, Weed Science, University of Tennessee

About the book

Weeds threaten the safe, efficient, and sustainable production of food, feed, fiber, and biofuel throughout the world. Featuring more than fifteen hundred full-color photographs, this handy guide provides essential information on four hundred of the most troublesome weedy and invasive plants found in the southern United States.

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 the terms used to describe them, a key to plant families, a glossary of frequently used terms, a bibliography, and indexes of scientific and common plant names.

Each species account includes:

- Up to four full-color photographs showing seed, seedling, plant, flower, and other unique plant features
- Distribution map
- For grasses, a line drawing of the collar (where the leaf joins the stem), an important identifying characteristic
- Scientific names, common names, and local synonyms of common names
- Vegetative characteristics for seedlings and leaves
- Special identifying characteristics, reproductive characteristics, and toxic properties

States covered

(species distribution maps also show occurrences across the United States and Canada)

Alabama	Maryland	Tennessee
Arkansas	Mississippi	Texas
Florida	Missouri	Virginia
Georgia	North Carolina	West Virginia
Kentucky	Oklahoma	
Louisiana	South Carolina	

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.