

NCWSS News

North Central Weed Science Society

Volume 20, Number 2, Summer 2003

www.ncwss.org

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Source: John Gollings, courtesy of Hargreaves Associates. As seen on the Waterfront Park web site.



North Central
Weed Science Society

2003 NCWSS Annual Meeting in Louisville, KY December 1 - 4, 2003

Make plans to attend the 2003 NCWSS annual meeting in Louisville, Kentucky. A great program is being prepared by your 2003 program chair Jerry Doll and the Local Arrangements Committee. The meeting will offer stimulating topics in a professional setting. The meeting will be held at the Galt House Hotel located downtown Louisville. This hotel offers fine dining with a 360 degree view of Louisville in The Flagship restaurant. If you prefer, casual atmosphere, The River Grill and the Fountain Room are viable alternatives.

While in Louisville, be sure to take in many attractions the city has to offer. If you are a baseball fan, possibly a visit to the Louisville Slugger Museum. If you are into the arts, a visit to the Kentucky Center For The Arts may be more to your liking. While in Kentucky, a visit to the Legendary Churchill Downs might be a must or possibly the Caesars Casino. An early morning jog or a break after the meetings at the scenic Waterfront Park would be enjoyable as would a visit to the Louisville Science Center complete with an IMAX theater. *

Deadline for the next newsletter is September 1st. Articles for the NCWSS Newsletter are to be submitted to the editor, Bill Johnson at the address below.

Purdue University
Lilly Hall of Life Sciences
915 W. State Street
West Lafayette, IN 47907-2054
wgjohnso@purdue.edu
(765 494-4656)

58th Annual Meeting of the NCWSS Call for Papers & Posters

**58th Annual Meeting of the NCWSS
Call for Papers & Posters
Galt House, Louisville, KY
December 1-4, 2003**

1. Message from Program Chair.

This issue of the NCWSS Newsletter serves as the **Call for Papers and Posters** for the 2003 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 **Tuesday, September 2, 2003**. Submissions received after September 2 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, all presentations (paper/poster/symposium) must be submitted via the process described on the NCWSS Web Site at this address: **www.ncwss.org**. The details of this process are covered later in this Call for Papers.

The 2003 program will again feature graduate student paper and poster contests. Students are eligible to compete in both contests. An undergraduate poster contest will again be conducted. Guidelines for the contests are found later in this call for papers and posters and at our web site in the NCWSS Manual of Operating Procedures. We again look forward to top quality presentations by the students.

The program will begin Tuesday morning December 2, 2003 and conclude at noon on Thursday, December 4, 2003. The general session will feature keynote speakers on topics of interest to all NCWSS members. In addition, the following three symposia are being developed for this year's Conference:

- Applications of Genomic Techniques to Weed Science, chairs: Dean Riechers and Patrick Tranel
- Beyond Thresholds: Applying Multiple Control Tactics in Integrated Weed Management, chairs: Adam Davis and Mathieu Ngouajio
- Future Role of Weed Science Extension: chair, Shawn Conley

I encourage all members to consider giving one or more presentations at our annual meeting. Not all presentations need to be based on field or lab research. Forward thinking or critical assessments of our discipline are also welcomed. And I invite your suggestions on ways to make the meeting even more valuable to you and others. I look forward to an exciting conference in December.

Jerry Doll
Program Chair
(iddoll@wisc.edu; 608-263-7437)

2. Preparing to Submit Titles Please follow these instructions when preparing your title(s).

a) Decide whether the presentation is a poster, paper, or invited symposia paper.

b) 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.

Call For Papers

c) 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. Include the full first name and middle initial of the authors, rather than just initials. Do not include departments or division, zip codes, or the name of the state if it is a part of the institution's name.

Designate with an asterisk (*) the author who will present the paper or poster. Give the common names of weeds, herbicides, and crops. Follow these examples:

Control of Velvetleaf in Soybean with Clomazone. Jeffrey L. Gunsolus* and Beverly R. Durgan, Univ. of Minnesota, St. Paul.

Weed Control in Glyphosate Resistant Soybean with Sulfentrazone. Ronald F.

Krausz* and George Kapusta, Southern Illinois Univ., Carbondale.

3. How to Submit Titles

All submissions must be via the NCWSS web site at: <http://www.ncwss.org>

Follow the instructions on the screen and fill out the forms completely. Submit each paper and poster separately, but submit individual papers and posters only once.

The program chair will acknowledge receipt. If you do not receive a response by September 10, please contact the program chair by phone or e-mail to determine the problem. The form will be automatically forwarded to the appropriate section chair and other individuals. It's that simple; no paper required!

4. Sections for Papers and Posters and the Chair of each:

Corn and Sorghum

Marvin Schultz (317-337-3981)
meschultz@dow.com

Forage and Range

Bob Masters (402-488-1157)
ramasters@dow.com

Equipment and Application Methods

Robert Klein (308-532-3611)
rklein1@unl.edu

Herbicide Physiology

Dean Riechers (217 333-9655)
riechers@uiuc.edu

Soil and Environmental Aspects

Bill Simmons (217-333-9649)
fsimmons@uiuc.edu

Extension

Shawn Conley (573-882-0618)
conleysp@missouri.edu

Poster Session

Kevin Gibson (765-496-2161)
kgibson@purdue.edu

Cereals and Oilseeds

Case Medlin (405-744-9588)
mcase@okstate.edu

Industrial, Forestry, Turf, and Aquatics

Rick Schulte (608-770-4041)
rschulte@uaptimberland.com

Soybeans and Annual Legumes

Harlene Hatterman-Valenti (701-231-8536)
h.hatterman.valenti@ndsu.nodak.edu

Weed Ecology and Biology

Reid Smeda (573-882-1329)
smedar@missouri.edu

Sugar beets, Horticulture, and Ornamentals

Karen Renner (517-353-9429)
renner@msu.edu

Regulatory and Crop Consultants

Doug Nord (620-285-3380)
nordag@larned.com

General Program Chair

Jerry Doll, (608-263-7437)
jddoll@wisc.edu

Call For Papers

5. Paper Presentations

Presentation format: All papers will be presented with Power Point files and LCD projectors. Traditional slide projectors will *not* be available. Electronic presentations will be limited to Power Point programs and will need to be pre-loaded onto the presentation computers one day prior to the scheduled talk. Specific details on the requirements for LCD presentations and the preferred method of transferring the presentation to session computers will be available on the NCWSS web site by August 1st.

Presentations are 15 minutes long. If more time is needed, contact the program chair. Abstracts of the paper and poster presentations will be published in the NCWSS Proceedings. Abstracts will be submitted electronically via email 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.

6. Poster Presentations

All posters will be set up on Monday and available for viewing on both Tuesday and Wednesday. Authors will be present at their posters from 8:00 am to 9:45 am on either Tuesday, December 2 or Wednesday, December 3. All posters should be removed by 4:00 pm on Wednesday, December 3. One poster mounting board, approximately 48 x 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 via the NCWSS web site. Additional details will be mailed to each poster session participant following title submission.

7. Call For Sustaining Member Displays

Sustaining member displays can be set up Monday afternoon and should be removed by 4:00 pm Wednesday. The display area this year will be at the entrance to the poster session/break room for optimum NCWSS member traffic. The chair of this activity is Dain Bruns (dain.bruns@syngenta.com; 614-767-0236)

Guide for Preparing Displays

- **Products and services displayed.** Examples of products and services that Sustaining Members may display to present information that advances weed science and technology include herbicides, computers, data collectors, application equipment, application services, contract research services, laboratories, publications, crop varieties, weed seed supplies, research equipment, toxic waste disposal, packaging, transportation, media, equipment, teaching aids, etc.
- **Space available:** Each exhibit must be contained within a space 8 feet wide by 6 feet deep unless special permission is received from Industry chair, Dain Bruns.
- **Tables available:** Rectangular tables (6 x 2.5 feet) will be available. Exhibitors may use them for displays that fit the prescribed available space.
- **Electrical current:** Standard electrical receptacles for 120 volt current will be available. Please bring a 50-foot extension cord to assure accessibility.
- **Sounds and lights:** Displays with sounds or lights that would distract from other displays will not be permitted. Silent projectors and video equipment are permitted.
- **Time for set-up:** The display area in the pre-function area will be open for setting up exhibits beginning Monday afternoon, December 1.

Call For Papers

The displays must be removed before 4:00 pm on Wednesday, December 3.

- **Staffing Displays:** It is recommended that exhibitors have personnel at their exhibits during the normal hours of the meeting. All valuables should be removed from the display when it is not manned.
- **Number of displays:** Each sustaining member is entitled to only one display. Non-sustaining members may not share space with sustaining members.
- **Sales activities and business transactions** are not permitted in the display area. Likewise, promotional activities that detract from the professional integrity of the NCWSS will not be permitted.
- **Shipping of Displays:** Please make your own arrangements for shipping your display to and from the hotel.
- **Becoming a Sustaining Member of the NCWSS:** For information on how to become a Sustaining Member of the NCWSS, contact the coordinator of the sustaining member displays at the meeting, Dain Bruns.

8. Graduate Student Paper Contest

Any graduate student who is registered at the NCWSS meeting and has conducted the research being reported while a student in the North Central Region is eligible to compete, except those having won first place in a previous contest. Awards will be presented to the first and second place winners in the graduate student paper contest at the banquet on Wednesday evening.

Graduate students may enter the paper contest by checking the appropriate box when submitting the paper's title. Abstracts must be submitted electronically via email 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. The criteria for evaluation of presentations in the student contest can be found at the NCWSS Web Site in the Manual of Operating Procedures (www.ncwss.org).

Awards consist of certificates of achievement and a minimum monetary award of \$100 for first place and \$50 for second place to winners in each division.

The chair of the graduate student paper contest is Christy Sprague (csprague@uiuc.edu; 217-333-4424).

9. Graduate Student Poster Contest

The graduate student poster contest is similar in concept 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 email 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. The criteria for evaluation of presentations can be found at the NCWSS Web Site in the Manual of Operating Procedures (www.ncwss.org).

Awards consist of certificates of achievement and a minimum monetary award of \$100 for first place and \$50 for second place to winners in each division. The chair of the graduate student poster contest is Tom Threewitt (tom.threewitt@syngenta.com; 620-285-6606).

Call For Papers

10. Undergraduate Student Poster Contest

The NCWSS will sponsor an undergraduate poster contest at the annual meeting in Louisville. 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 and to gain experience and interaction 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 Web Site in the Manual of Operating Procedures (www.ncwss.org). 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 email 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.

Awards will consist of certificates of achievement and a minimum monetary award of \$100 for first place and \$50 for second place to winners in each division. The chair of the undergraduate student poster contest is Don Pullins (don.pullins@syngenta.com; 217-863-5324). *

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

Christy Sprague
N323 Turner Hall
Department of Crop Sciences
1102 South Goodwin
Urbana, IL 61801
(217) 333-9655
csprague@uiuc.edu

For the Graduate Student Poster Contest

Tom Threewitt
Syngenta Crop Protection
RR 3 Box 123
Larned, KS 67550
(620) 285-6606
Tom.Threewitt@syngenta.com

For the Undergraduate Student Poster Contest

Don Pullins
Syngenta Crop Protection
Northern Regional Technical Center
495 County Road 1300 North
Champaign, IL 61822
(217) 863-5300
don.pullins@syngenta.com

For an online version of the NCWSS News Letter
go to www.ncwss.org

Washington News, May 8th, 2003

Rob Hedberg

Comments on APHIS Kikuyugrass Petition

In February the USDA Animal Plant Health Inspection Service (APHIS) issued a call for public comments in response to a petition to remove two cultivars of Kikuyugrass from the Federal Noxious Weed List. This has been a contentious issue for several years and APHIS has conducted an internal review of



the petition and two additional external reviews by panels that included several weed scientists. Working with the Washington Liaison Committee and the WSSA Federal Noxious Weed Committee we drafted comments that reiterated the significant threat this species poses and the earlier findings that there was no apparent scientific justification for treating these two cultivars differently. Copies of our comments are available by request.

Comments on EPA Strategic Plan

Earlier this year the EPA released a draft strategic plan for the next 5 years and asked for public comment. Overall the plan was a good, results oriented plan that had tangible, obtainable objectives. We reviewed the plan and submitted comments on section 4 of the plan covering activities of the Office of Pesticide Programs.

Our comments stated that in general the tone of the plan should do more to place the risks associated with use of pesticide and genetically engineered plants within the context of managing the very significant problems caused by the wide array of pests. Our comments also expressed concern that there was no mention of Invasive Species included in the plan. Although the plan discussed managing the effect of pesticide exposure on 15 high priority threatened and endangered (T&E) species, it made no mention of the effect of invasive species on T&E species. Because invasive species are implicated as the second leading cause for species being listed as threatened and endangered this seemed to be an oversight. Consequently the comments recommended several ways that the Office of Pesticide Programs and the Office of Research and Development could plan to help mitigate the impact of invasive species, especially on endangered species. Copies of our comments are available by request.

NCFAP Report

On April 24, Leonard Giannessi and Sujatha Sankula of the National Center for Food and Agricultural Policy released a new study, "Value of Herbicides in U.S. Crop Production" at a press conference here in Washington. This study has a great deal of information which could be useful in public presentations and for students studying weed science and crop production. The report can be found at: <http://www.ncfap.org/benefits.htm> *

WSSA Undergraduate Research Award – 2004

The Weed Science Society of America has developed an Undergraduate Student Research Grant designed to encourage and involve exceptional undergraduates in agricultural research. Interested faculty members are encouraged to identify potential award candidates and discuss the possibility of sponsoring a research project. Awards may be used as a stipend, for research budget expenses (travel, supplies, etc.), to defer fees, to defray living expenses for summer research, or any combination of these items.

AWARD: Up to \$1000 for support of undergraduate research to be conducted over a minimum of one quarter/semester during 2004. This award may be used to defray the cost of research supplies or as a stipend. Support of a faculty sponsor is required. Awards will be made to the student, to be administered by the faculty sponsor's department.

APPLICANT: The applicant is an undergraduate student with a strong interest in Weed Science. Students majoring in all related disciplines may apply.

TO APPLY: Applicants should prepare a 2-3 page research proposal including name, address, phone number, title, objective, experimental approach, discussion, budget and references. The discussion section of the proposal should describe the expected results and their possible significance to Weed Science. The student should provide a cover letter in which general academic and career goals are discussed. A copy of the student's academic transcripts should also be provided.

FACULTY SPONSOR: Any faculty member who is actively engaged in Weed Science research is qualified to be a sponsor. The faculty sponsor should review the research proposal with special attention to the budget, the distribution of funds should be approved by both the student and sponsor. In addition, the sponsor should provide a letter of reference including a statement of his/her willingness to supervise the proposed research and to provide needed space, equipment and supplies above those requested in the proposal. The sponsor is encouraged to assist the student in presenting his/her results at a regional Weed Science Meeting.

HOW TO APPLY: The completed proposal, academic transcripts, cover letter and faculty letter of support should be forwarded to: Dr. John Jachetta, Dow AgroSciences, 9330 Zionsville Road, Indianapolis, IN 46268-1054; Phone: (317) 337-4686, Fax (317) 337-4649, E-mail: jjjachetta@dow.com. Proposals should be received no later than November 17, 2003. Funding decisions will be made by January 25, 2004 and presented at the 2004 WSSA National Meeting Awards Banquet. *

Newsletter design and layout by Glenn Nice
If you have comments or suggestions please send them to gnice@purdue.edu

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 numerous members worthy of recognition as Fellow. The nomination procedure is described in the Manual of Operating Procedures, Section 3 (Rules), Chapter 1 on the NCWSS website: 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, 2003. Nominations should be sent to:

Dr. Stephen D. Miller
University of Wyoming
Department of Plant Sciences
POB 3354
Laramie, WY 82071-3354
307-766-3112

2003 Distinguished Achievement Awards

The North Central Weed Science Society seeks to recognize the outstanding contributions of its members through the Distinguished Achievement Awards. However, deserving candidates can not receive the award unless they are nominated. It is the responsibility of all members to consider deserving individuals for the Distinguished Achievement Awards and submit their nominations.

Up to five Distinguished Achievement Awards can be presented each year from among the following categories:

- Research
- Education
- Service
- Industry
- Professional Staff
- Young Scientist

Nominations for Distinguished Achievement Awards consist of four parts: a) nomination information or complete C.V., b) two supporting letters, c) a short biographical summary which relates the key items that justify recommendation for this award, and d) a letter from the nominator.

Complete details of the nomination process and eligibility of nominees can be found in the rules section of the NCWSS Manual of Operating Procedures available on the NCWSS website: www.ncwss.org. Nominators need to initiate the process early to procure letters of support prior to the application deadline.

Submission of all nomination materials are due September 7, 2003. Nomination packages and any questions about the Distinguished Achievement Awards should be forwarded to:

Dallas Peterson
KSU Department of Agronomy
2014 Throckmorton Hall
Manhattan, KS 66506-5504
785-532-5776
dpeterso@oznet.ksu.edu

People and Places

Brent Sellers:

Ph.D from University of Missouri, Columbia
Advisor: Reid Smeda
Physiological basis for environmental influences on glufosinate efficacy and impacts on weed management in glufosinate-resistant corn.
Current Position: Post Doctoral Research Associate, University of Missouri.

Chris Schuster:

M.S. from University of Missouri, Columbia
Advisor: Reid Smeda.
Management of common waterhemp in no-till, glyphosate-resistant corn and soybean.
Current Position: Ph.D. student, Kansas State University.

Darren Dodds:

M.S. from Purdue University
Advisor: Tom Bauman/Mike Hickman
Managing Annual ryegrass as a cover crops in no-till corn and soybean.
Current Position: Ph.D. student, Mississippi State University.

Dave Hillger:

M.S. from Purdue University,
Advisor: Tom Bauman
Comparison of herbicide resistant corn technologies.
Current position: Ph.D. student, Purdue University.

Joe Cordes:

M.S. from University of Missouri, Columbia,
Advisor: Bill Johnson.
Common waterhemp interference and management in corn.
Current Position: Soybean Agronomist, Monsanto, Jerseyville, IL.

Kelly Goedde:

M.S. from Purdue University
Advisor: Tom Bauman/Case Medlin
Applying computer technology in weed science extension education.
Current Position: Vegetation Manager, CSX Rail Road, Florida.

Loree Johnston:

M.S. from Purdue University,
Advisor: Keven Gibson/Case Medlin.
Weed species determination using remote sensing techniques.
Current Position: Agronomist for Agrilience, Wisconsin.

Wes Everman:

M.S. from Purdue University,
Advisor: Tom Bauman/Case Medlin.
The application of remote sensing for detection of plant reflectance response to herbicide stress in corn cropping systems.
Current Position: Ph.D. student, North Carolina State University.

If you would like to announce your students successful completion of degrees send a note with the students name, degree, advisor, name of their thesis or dissertation and what they are doing now to bill Johnson (wjohnso@purdue.edu)