

# NCWSS *News*

North Central Weed Science Society

Volume 20, Number 3, Fall 2003

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

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North Central  
Weed Science Society

**2004 NCWSS Annual Meeting  
December 13-16  
Columbus, OH**

Anyone who submitted a paper or poster title and did not receive an email confirming their title submission from the Program Chair, must contact Jerry Doll (jddoll@wisc.edu or 608-263-7437) immediately.

## Louisville, Kentucky – *Charles H. Slack*



Louisville, Kentucky

Louisville, Kentucky, provides a unique personality and an atmosphere that visitors of all ages and backgrounds can enjoy. Founded in 1778, by George Rogers Clark, Louisville quickly grew into a thriving river port city. As a gateway to America's first westward expansion, it is rich in an American heritage that is reflected in a unique blend of Southern charm and Northern sophistication.

Louisville is known worldwide as the home of Churchill Downs and The Kentucky Derby. Each spring The Derby City plays host to the mile and a quarter race for three-year-old Thoroughbreds, "the most exciting two minutes in sports." Louisville is also famous for Louisville Slugger Baseball Bats and Louisville Stoneware. History comes alive in Louisville through historic homes, architecture, museums, arts and crafts and antique galleries. An integral part of the life in Louisville includes the visual arts, opera, orchestra, theater and ballet.

Your Local Arrangements Committee is pleased to help you discover the exciting attractions that Louisville has to offer.

- continued next page –



Louisville skyline at night.

Please join us at the **Galt House East Hotel**, Downtown, 140 North Fourth Avenue, Louisville, Kentucky, 40202 (**502-589-5200**), overlooking the beautiful Ohio River, December 1-4, 2003, for the NCWSS annual meeting.

Charles H. Slack, Local Arrangements Chairman, Department of Agronomy, 415 Plant Science Building, University of Kentucky, Lexington, KY 40546-0312, (859)-257-5020 ext 80747 (office), (859)-259-1914 (farm office), or via e-mail to: [cslack@uky.edu](mailto:cslack@uky.edu).

To schedule meals, hospitality rooms, or other events requiring food or refreshments, please contact Sara Carter (859)-259-1914 or via e-mail [sara.carter@uky.edu](mailto:sara.carter@uky.edu).

### **Transportation**

Louisville is serviced by Standiford Field International Airport. Transportation from the

Airport is available from outside the baggage claim area.

The cost of taxi service from the airport to the hotel is about \$15. There are also several limousine services in the area that can service the airport for approximately \$72.

### **Driving Directions**

#### **I-64**

From **I-64 WEST** take the St. Louis-3rd Street exit. Take 3rd Street to Main Street. Turn right on Main Street and go to 4th Street. Turn right on 4th Street to the Galt House.

From **I-64 EAST** take the 9th Street exit to Market Street. Turn left on Market Street. Go to 4th Street and turn left. Continue on 4th Street to the Galt House.

#### **I-65**

Traveling **I-65 SOUTH** take St. Louis -I-64 exit after crossing the Ohio River. Take 3rd Street exit to Main Street. Turn right on Main Street and go to 4th Street. Turn right on 4th Street to the Galt House.

Traveling **I-65 NORTH** take the St. Louis-I-64 exit. Take the 3rd Street exit to Main Street. Turn right on 4th Street to the Galt House.

#### **I-71**

From Cincinnati on **I-71 SOUTH** take the St. Louis-Downtown exit to the 3rd Street exit. Continue on 3rd Street to Main Street. Turn right on Main Street and go to 4th Street. Turn right on 4th Street to the Galt House. ✪

## **WSSA Weed Identification Book and CD**

The Southern Weed Science Society has just approved a big price drop on their Weed identification book and CD-ROM. The book is now only \$39.95 per copy (used to be \$150.00) and covers 350 weeds across the United States and Canada. Version 2.1 of the CD-ROM is now only \$69.95 per copy (was \$120.00 per copy previously). The CD-ROM is only \$62.95 per copy if 2 or more copies are ordered (10% discount). The CD-ROM covers 362 weed and crop species and is compatible with Windows 95 through XP. The prices include shipping.

The book is on "fire sale" to get rid of excess inventory so now is a good time to get a copy if you have ever wanted one or know of someone else who would like a copy. It is a pretty large loose-leaf binder format, but the photos are beautifully done. Don't be fooled because the book and CD are published by the Southern Weed Science Society. The coverage is all of the U.S. and Canada and certainly covers most of the corn, soybean and other crop weeds you will ever encounter. The CD-ROM price drop is permanent.

## 2003 Annual Meeting: Diverse, Inviting, Exciting Don't Miss It!

The program for our December 1-4 gathering in Louisville is rapidly falling into place and it will be a robust agenda as usual. Many titles are very intriguing and you will be challenged in deciding which of the simultaneous sessions to attend. We have approximately 8% fewer papers and posters than last year (206 this year vs. 225 last) but there appears to be no decline in quality and diversity of topics.

Our **opening session** on Tue. morning sets the stage with presentations that will challenge us to ponder the future and that theme will reappear throughout the Conference. President Michael Horak will give us an overview of our Society and indicate the direction and new initiatives being implemented or planned. These are the other general session addresses:

- It's sexy. It's safe. Everybody wants to do it.
- Future opportunities in weed science: My views.
- I'm not a real weed scientist but I play one in D.C.

We will not have a member forum at the general session but there will be opportunity for questions or comments to all presenters. As part of my opening remarks, I will highlight some of the statistical aspects of this year's conference and make some comparisons to previous conferences.

We again have three excellent symposia. Each day will feature one of them, beginning with a review and assessment of **Genomics Applications in Weed Science** organized by those active in the Herbicide Physiology section of the NCWSS. On Wednesday's symposium will move us **Beyond Thresholds: Applying Multiple Tactics Within Integrated Weed Management Systems** with five in-depth presentations (one by a noted Danish weed scientist) will address that topic. Thursday morning's symposium will direct our attention to the **Future Role of Weed Science Extension**. This one is very timely because the rapid pace of changes in our discipline has as many or perhaps more implications for our outreach activities and personnel as it does for those in research and teaching.

We have very strong participation in the horticulture/sugarbeet/ornamental section (more papers than any other), weed ecology and biology, corn and sorghum, cereals and oil seeds, extension, and soybean and annual legumes sections. There are presentations on weed and disease and nematode interactions and diseases as potential biocontrol agents. We'll learn of weeds in Turkey and the tropics and closer to home we'll have papers on Asiatic dayflower, trumpet creeper, apple of Peru, giant chickweed and field pansies: not our common weeds!

Fall and spring burndown applications to control dandelion, white cockle and winter annual weeds will be addressed in several presentations. The two-pass programs in corn will be the focus of several papers; and you will see numerous papers and posters on glyphosate and mesotrione and others on herbicide resistant biotypes of waterhemp, common ragweed, and horseweed.

You can learn of weed management in Christmas trees, cuphea, Juneberries and gladiolus. The weed seed bank is still the focus of attention by several. We will learn of non-chemical approaches with flame weeding, allelopathy and the challenges of weed management in organic vegetable production. The potential of GIS and remote sensing in weed science will be addressed. You will see how effective various weed communities are in sequestering carbon and hear a paper that reviews the 20-year history of the North Central Summer Weed Science Contest.

**All NCWSS Committees** will meet during our Conference so be sure and check the schedule to see when and where your group will assemble. All members are eligible to attend committee meeting so please join any and all that are of interest to you. Of course each of the sections of our annual Conference will have a business meeting to elect a vice-chair and conduct any business pertinent to their area. Anyone wishing to arrange additional committee or small group meetings should contact Charlie Slack ([cslack@uky.edu](mailto:cslack@uky.edu)) and me ([jddoll@wisc.edu](mailto:jddoll@wisc.edu)) well in advance of the meeting.

In summary, our annual Conference has something of interest and value for everyone. Come to learn and interact with colleagues from the region and beyond. See you in Louisville!

## Cast Report

Recent CAST activities include 1) the release of an IPM Task Force Report on “Integrated Pest Management: Current and Future Strategies”, 2) sponsored a resistance symposium in April on “Strategies on Using Crop Management, Technology, and Pesticides held in conjunction with the national IPM meeting, 3) co-sponsored with USDA Aphis a Biotechnology-Derived Perennial Turf meeting, and 4) initiated a national essay contest for sixth, seventh, and eighth grade students.

Future CAST projects that may be of interest to members of the NCWSS is the Plant Protection Sciences Workgroup, which will explore the issue of transgenic crops and trees. CAST has updated their web site (<http://www.cast-science.org>) to allow “members only” access to items such as on-line publications, reports, issue papers, newsletters, and membership renewal.

The Membership Partnership Program is still being offered by CAST, which allows a portion of the dues for a new individual membership to be sent back to member societies. Any NCWSS member who wants to join CAST and participate in the Membership Partnership Program should check with me ([jamartin@uky.edu](mailto:jamartin@uky.edu)) for details.

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## The International Weed Science Society Announces Graduate Student Travel Award Opportunity

The IWSS has decided to encourage the participation of young weed scientists (M.Sc. and Ph.D. students) in the upcoming IWSS-2004 in Durban, South Africa, by providing up to 6 scholarships that will cover registration fees, accommodation, and part of the travel expenses. The Graduate Student Award Committee (Prof J. Streibig, Chairman, Dr. Phil Banks and Prof. B. Rubin) will select the awardees according to the following criteria:

- ❶ The candidate must be enrolled as a M.Sc. or Ph.D. student, pursuing a degree related to WEED SCIENCE as of December 20, 2003.
- ❷ Submissions should be in the form of up to a 5 page manuscript including tables, figures and photos (PDF file - font 12, 1.5 space and 3 cm margin throughout), with abstract, introduction, materials and methods, results, and discussion. Deadline for submission is December 31, 2003.
- ❸ Submissions will be appraised/judged based on the following merits: quality of research, novelty, contribution to the discipline of Weed Science and to the society. The research is required be that of the student.
- ❹ Submissions should include a letter of commitment from the major professor or institution to provide additional travel support if the student should receive the award from IWSS.
- ❺ All material should be sent **via e-mail**, no later than December 31, 2003 to:

Prof. J. C. Streibig – The Royal Veterinary & Agricultural University, Dept. Agricultural Sciences (Weed Science), Room T364, Thorvaldsensvej 40, DK-1871 Frederiksberg, Denmark ([Jens.C.Streibig@agsci.kvl.dk](mailto:Jens.C.Streibig@agsci.kvl.dk))

Dr. P. A. Banks, Marathon-Ag/Environ Consulting, 2649 Navajo Rd, Las Cruces, NM 88007, USA ([MarathonAg@zianet.com](mailto:MarathonAg@zianet.com))

Prof. B. Rubin, Institute of Agricultural Plant Sciences and Genetics, Faculty of Agriculture, Rehovot 76100, Israel ([rubin@agri.huji.ac.il](mailto:rubin@agri.huji.ac.il))

Awards will be announced at the Weed Science Society of America meeting at Kansas City, MO in February of 2004. Awardees will present their work at the IWSS meeting in Durban.

# Instructions for Submitting Abstracts for the 2003 NCWSS proceedings

**DEADLINE: November 14, 2003**

*Please read and follow all instructions carefully.*

## General Instructions

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### Format

- Prepare the abstract using MS Word or Word Perfect.
- Include author and three digit paper number in file name (e.g. hartzler034.doc).
- Paper numbers will be available on NCWSS website (<http://www.ncwss.org>) by mid-October.
- Send abstract to Bob Hartzler ([hartzler@iastate.edu](mailto:hartzler@iastate.edu)) by **November 14**.
- Type 'NCWSS Abstract' in email's subject line

### General layout

- Single space all text.
- Set all margins for 0.8".
- Use Times 12 pt font or similar style.
- Justify left and right margins.
- Limit abstract to 4000 characters (approximately one page).
- Do not include tables or figures.

### Title

- Begin the title at left margin and **capitalize all letters in the title**. See example.
- Begin author's name (first name, middle initial, last name) one space after the period following the title of the paper. End list with a comma, then give appropriate title of author(s) and the name of research organization and end with the address. Use the two-letter abbreviation for the states and end with the appropriate zip code. **Do not** use abbreviations for titles or affiliation.

### Body

- Begin the text two lines below title and author list (leave one blank and type on second line).
- Indent all paragraphs three spaces. Do not leave blank lines between paragraphs.

### Example

TILLAGE IN THE DARK AND EMERGENCE OF ANNUAL WEEDS. Douglas D. Buhler and Keith A. Kohler, Research Agronomist and Agricultural Research Technician, USDA-ARS, National Soil Tilth Lab, Ames, IA 50011.

Field research was conducted at Rosemount, MN in 1994 to determine the effect of tillage in the dark on the emergence of 13 annual weed species under uniform soil and environmental conditions. The experiment was conducted in a weed nursery with 13 annual weed species grown individually in 5-m-wide strips . . .

## Detailed Instructions

**Plant and animal names:** The WSSA-accepted common name (Composite List of Weeds, Revised 1989) should be used for all weed species. For weed species not found in this reference include both the common and scientific names. Provide both common and scientific names for crops not commonly grown in the region. Indicate the variety of a crop by enclosing it in single quotes. Example: corn 'Dixie 18'.

**Herbicide names:** Omit chemical names from all abstracts and use only common names. If a common name has not yet been approved by WSSA, use the code number. Check the December 2002 issue of *Weed Science* (Weed Sci. 50:824-829) or WSSA website (<http://www.wssa.net>) for the current list of approved chemical and common names. If use of a trade name is required to properly identify a product, at first mention use the appropriate common name, immediately followed by trade name in parenthesis. Herbicide trade names are acceptable for clarification of pre-packaged mixtures.

**Herbicide rates:** Express rates as active material or acid equivalent, not as formulated material. When necessary, it is appropriate to mention a specific formulation, such as the specific ester or salt.

**Numbers:** Use Arabic numbers for all numbers with two or more digits and for all measurements such as time, weight, or degrees except when the number is the first word in a sentence or when they are less than 10 and not measurements.

**Abbreviations:** Use abbreviations as shown in the WSSA Herbicide Handbook or as used in a current issue of *Weed Science*. The CBE Style Manual, 5th Edition, American Institute of Biological Sciences, Washington DC should be used as a guide for other abbreviations. ✱

**2004 Invasive Plant Species Workshop**  
**Thursday and Friday morning, February 12 – 13, 2004**  
**Westin Crown Center Hotel, 1 Pershing Road, Kansas City, MO**

**Hosted by the Weed Science Society of America**  
**Co-sponsored by the North American Weed**  
**Kansas City, MO, February 9 – 12, 2004**

**Held in conjunction with the Weed Science Society of America**  
**Annual Meeting Management Association**

**Invasive Species Policy, Early Warning and Rapid Response, Monitoring, Management, and Education**  
**Breakout sessions on Specific Invasive Species of Interest in the Midwest**

Plan to attend the 2004 Invasive Plant Species Workshop hosted by the Weed Science Society of America (WSSA) and co-sponsored by the North American Weed Management Association (NAWMA). Attend the workshop, or both the WSSA annual meeting followed by the workshop. This workshop is intended for land managers, those on the ground wrestling with invasive plants. Target audience includes, but is not limited to consultants, enforcement officials, natural resource managers, rights-of-way and non-cropland managers – anyone engaged in active management of invasive plants. This workshop will feature researchers, educators, regulatory and policy personnel discussing issues relevant to current invasive plant management in the Midwest.

The day and a-half program consists of a general session Thursday on the big picture, current early warning and rapid response efforts at the national and regional level, strategic planning, and an overview of management issues including the role of biological control agents, herbicides, and cultural practices for control of invasive plants. Concurrent breakout sessions Friday morning will provide an opportunity to gain in-depth information on, and to participate in discussions of key invasive plants in the Midwest.

The NAWMA's Certified Managers of Invasive Plants national certification program will be introduced. The workshop will end at noon on Friday to accommodate travel needs of attendees.

**Mark your calendars now!** The complete program will be available in October and will be posted on the WSSA and NAWMA websites.

Weed Science Society of America website: <http://www.wssa.net>  
North American Weed Management Association web site: <http://www.nawma.org/>

## PEOPLE AND PLACES

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### **Dr. Christy Sprague Accepts Faculty Position at Michigan State University**

Dr. Christy Sprague recently joined the faculty of the Department of Crop and Soil Sciences at Michigan State University with a position in Weed Science Extension and Research. Christy completed her Ph.D. in 1999 and was previously on the faculty at the University of Illinois. Her primary responsibilities will be in the area of weed management in soybeans, dry edible beans, and sugar beats.

### **Dr. Kevin Bradley Joins the University of Missouri-Columbia as a Faculty Member in the Department of Agronomy**

Kevin is a native of Virginia and received a B. S. degree in Agriculture from Ferrum College in Ferrum, Virginia and a Ph.D. in Weed Science from Virginia Tech. After graduation, Kevin accepted a postdoctoral research associate position at Virginia Tech, where he focused his research efforts on the management of perennial weeds in no-till agronomic crops and also participated in a number of Extension activities. Dr. Bradley's faculty appointment includes Extension and research responsibilities in corn, soybean, forages, grain sorghum, and wheat.

### **Dawn Nordby:**

M.S. from Iowa State University  
Advisor: Bob Hartzler  
Effect of tillage and corn row spacing on common waterhemp growth and fecundity  
Current Position: Extension Specialist Weed Science/IPM, University of Illinois

### **Dean Volenberg:**

Ph.D from University of Wisconsin-Madison  
Advisor: Dave Stoltenberg  
Characterization of Wisconsin weeds resistant to inhibitors of acetyl-coenzyme A carboxylase or acetolactate synthase

Current Position: Post-Doctoral Research Associate, University of Illinois at Urbana, Champaign

### **Mike Moechnig:**

Ph.D from University of Wisconsin-Madison  
Advisors: Dave Stoltenberg and Chris Boerboom  
A mechanistic approach to characterize weed-corn interactions  
Current Position: Post-Doctoral Weed Ecologist/Ecophysiological, University of California-Davis

### **Ryan Tichich:**

M.S. from University of Wisconsin-Madison  
Advisor: Jerry Doll  
Evaluation of *Pseudomonas syringae* pv. *tagetis* as a biosuppression agent for Canada Thistle  
Current Position: Agricultural extension agent in Polk County (northwestern) Wisconsin.

### **University of Missouri Looking for Grad Students:**

Weed Scientists at the University of Missouri – Columbia are seeking qualified students to conduct field and greenhouse research in weed biology and ecology or herbicide physiology in pursuit of a M.S. degree. Qualified applicants will have a B.S. in Weed Science, Agronomy, Soil Science, Plant Physiology or Plant Ecology. Research assistantships provide an annual stipend of \$13,000 to 16,000/yr depending on qualifications. Tuition is waived. Contact Kevin Bradley ([BradleyKe@missouri.edu](mailto:BradleyKe@missouri.edu)) for additional information and application procedures. See these websites for additional information regarding the Plant Science Unit (<http://www.psu.missouri.edu/>) and Department of Agronomy (<http://www.psu.missouri.edu/agronomy/index.stm>) at the University of Missouri (<http://web.missouri.edu/index.cfm>).

## **Attention Sustaining Members**

To reserve display space at they 2003 conference, contact Dain Bruns (Industry Chair) by Nov 15<sup>th</sup> at

**614-767-0236**

# NCWSS WEED SCIENCE CONTEST – OVERALL TEAM WINNERS

***Congratulations to all Participants in the NCWSS Weed Science Contest!***

## **Graduate Team**



**1<sup>st</sup> Chris Schuster, Mark Lubbers, Doug Shoup, and Jeane Falk; Kansas State University**

## **Undergraduate Team**



**1<sup>st</sup> Mark Menke, Nathan Whitney, Andy West Hoven, and Mitch Banbauer; Ohio State University**



**2<sup>nd</sup> Vince Davis, Eric Ott, Dave Smith, and Earl Creech; Purdue University**



**2<sup>nd</sup> Terry Schulz, T.J. Ross, Crystal Schulz, and Kyle Thelen; Michigan State University**



**3<sup>rd</sup> Curtis Scherder, Chris Zwiener, Romina Gueli, and Chad Smith; University of Missouri**



**3<sup>rd</sup> Dave Kraushaar, Chad Wilson, Adam Bols, and Joe Franks; Western Illinois University**



# NCWSS WEED SCIENCE CONTEST – OVERALL INDIVIDUAL WINNERS



**Grad Student:**  
**1<sup>st</sup>** Chris Schuster (a),  
Kansas State University

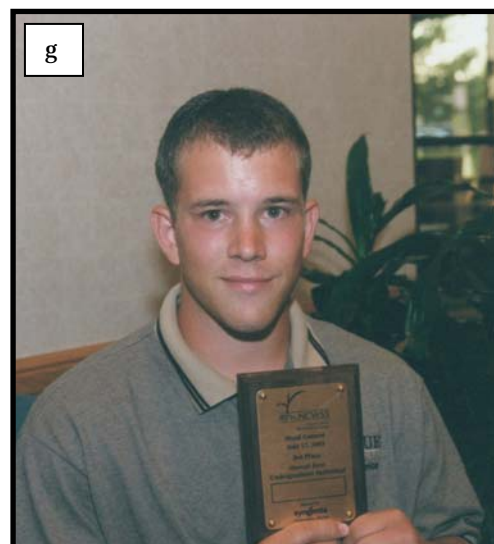
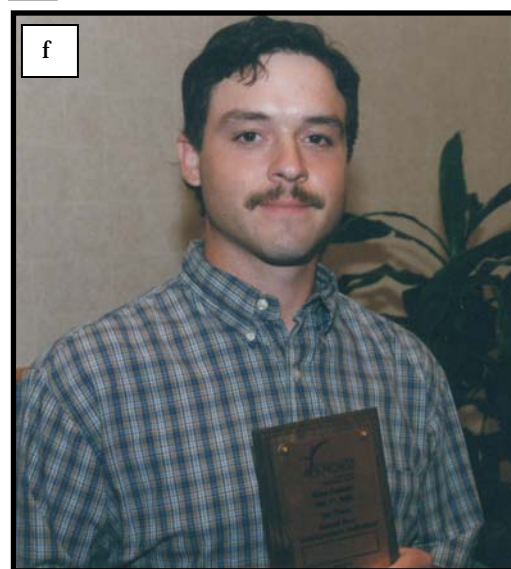
**2<sup>nd</sup>** Julie Abendroth (b),  
University of Nebraska

**3<sup>rd</sup>** Doug Shoup (c), Kansas  
State University

**Undergrad:**  
**Tied 1<sup>st</sup>** Eric Ott, Purdue (d)  
and Curtis Scherder,  
University of Missouri (e)

**2<sup>nd</sup>** Mark Menke (f), Ohio  
State University

**3<sup>rd</sup>** Kevin Stier (g), Purdue



# NCWSS WEED SCIENCE CONTEST- SPECIFIC EVENT WINNERS



**1st Sprayer Calibration:** Curtis Scherder , Chris Zwiener, Romina Gueli, and Chad Smith; University of Missouri



**1st Written Calibration:** Nick Fassler; University of Illinois



**1st Grad Problem Solving:** Jeff Krumm; University of Nebraska



**1st Unknown Herbicide:** Julie Abendroth, University of Nebraska



**1st Undergrad Problem Solving:** Marke Menko; Ohio State University



**1st Weed Identification:** Chris Schuster; Kansas State Univeristy



**1,000 WEEDS OF NORTH AMERICA:  
An Identification Guide<sup>NEW</sup>**  
Available after Dec. 1, 2003



The interactive weed ID program on CD also contains:

- A helpful tutorial
- Color photographs of each weed
- Common name, up-to-date scientific name, and synonyms for each species
- Searchable state/province level distribution data
- An illustrated glossary of terminology
- References to over 40 weed books.

Place an order on the form provided below for a copy or copies of *1,000 WEEDS OF NORTH AMERICA: An Identification Guide<sup>NEW</sup>*; *Andersen's Guide*; *8th Edition Herbicide Handbook* or *Aquatic and Riparian Weeds of the West*.



SEND ORDERS TO:  
WSSA/ALLENPRESS  
PO Box 7050, 810 EAST 10<sup>TH</sup> STREET  
LAWRENCE, KS 66044-7050  
Please make checks payable to:  
Weed Science Society of America



PRICE INCLUDES SHIPPING	Quantity	Total \$
1,000 Weeds of North America CD \$54.95*		
8 <sup>th</sup> Edition Herbicide Handbook \$65.00		
Andersen's Guide for Seed Germination \$50.00		
Aquatic & Riparian Weeds of the West \$43.50		

**SHIP TO:** Please include your phone number and email address to be notified when updates of this CD or revised versions of other CDs and publications are available

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 Circle Card type: VISA MasterCard Credit Card # \_\_\_\_\_  
 Exp. date: Month/Year \_\_\_\_\_ Authorized Signature \_\_\_\_\_

**\*1,000 WEEDS CD WILL BE MAILED AFTER DECEMBER 1, 2003.**

**To order over the phone, please call WSSA at (1-800-627-0629 Ext. 297) or go to the WSSA web site at <http://www.wssa.net/>.**

**Department of Agronomy**  
Position Announcement

**Title: Soybean Extension Specialist**

**Rank:** Assistant/Associate Professor (Tenure track, fiscal year appointment)  
**Available:** August 2004  
**Location:** Department of Agronomy, Purdue University  
West Lafayette, Indiana USA 47907-2054

**Position description:** The position is a fiscal year, tenure-track faculty appointment with major Extension responsibilities for soybean production technologies and cropping systems. This position is part of a multi-departmental faculty recruitment campaign in Field Crop Production Technologies at Purdue University.

**Responsibilities:** The incumbent will develop an innovative and nationally recognized Extension program, aimed at identifying and promoting economically and environmentally sound soybean production practices. Soybean is one of Indiana's major agronomic crops with estimated harvest acreage of 5.3 million acres in 2003 and an estimated total production value approaching 1.3 billion dollars. Extension responsibilities will include the development of educational curricula for producers and agricultural professionals on soybean production technologies and associated cropping systems (e.g., wheat and double crop soybean, specialty output trait markets), that encourage adoption of more profitable and sustained crop production systems. The incumbent will be expected to develop a complementary and innovative research program that generates information on soybean and associated cropping systems. Opportunities exist for research and Extension programming on alternative crops such as canola. The incumbent will be expected to publish in relevant refereed journals, actively participate in graduate student training and contribute to collaborative teaching in off-campus and campus-based educational programs in cropping systems. Success in obtaining extramural funds for the Extension and research program will also be expected.

**Qualifications:** Candidates must have a Ph.D. degree in Crop Science or related agronomic sciences. Research and Extension experience in soybean production systems is highly desirable. A strong interest in production agriculture and an understanding of the issues and problems facing the industry, farmers, and supporting crop input industries is a prerequisite. Key communication skills required for this position include demonstrated abilities to author newsletter articles and Extension publications (print or Web), develop effective Extension education programs for adult learners, interface with news media, and effectively participate in collaborative research and educational activities. Interest and/or experience in international dimensions of soybean production are desirable.

**Collaboration:** Opportunities for professional collaboration with School of Agriculture staff are readily available and include the areas of soybean genetics, wheat genetics, soybean biochemistry, plant pathology, weed science, entomology, post-harvest grain quality, plant nutrition, and cropping systems. Opportunities exist for significant educational and research collaboration with Purdue faculty and staff involved with the Crop Diagnostic Training and Research Center, Integrated Pest Management Program, Site-Specific Management Center, Post Harvest Grain Quality & Stored Product Protection Program, as well as with state agricultural organizations such as the Indiana Soybean Growers Association and the Indiana Crop Improvement Association.

**Salary:** Commensurate with qualifications and experience. Excellent fringe benefit package includes generous employer contributions to TIAA-CREF retirement program; medical, life and disability insurance; and sabbatical leave opportunities.

**Application Procedure:** Screening of applicants will begin January 12, 2004 and will continue until a suitable candidate is selected. Qualified individuals should submit a letter of application including a summary of past accomplishments and future goals and philosophy in Extension education and research, a curriculum vita (including Extension and research publications plus a summary of Extension activities to date), transcripts of all university degrees, and contact information for four references (names, addresses, email addresses, telephone numbers) to:

Dr. R.L. (Bob) Nielsen (c/o Phyllis Graves)  
Chair, Extension Soybean Faculty Search Committee  
Agronomy Department, 915 W. State Street  
Purdue University, W. Lafayette, IN 47907-2054

For more information about the position, contact Dr. Nielsen (765/494-4802, [rnielsen@purdue.edu](mailto:rnielsen@purdue.edu)). For more information about Purdue Agronomy, visit our Web site at <http://www.agry.purdue.edu>.

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**PURDUE IS AN EQUAL OPPORTUNITY/EQUAL ACCESS/AFFIRMATIVE ACTION UNIVERSITY**