

# NCWSS • News

North Central Weed Science Society

Vol 27, Number 3, Fall 2010

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

- ▶ *Lexington Kentucky, Here we Come* ..... 1
- ▶ *A Word From Your President* ..... 2
- ▶ *Program Information* ..... 3
- ▶ *Judges are needed* ..... 4
- ▶ *CAST Report* ..... 4
- ▶ *Attention Students Participating in the Contest* ..... 4
- ▶ *WSSA Undergraduate Research Award 2011* ..... 5
- ▶ *Weeds of the Midwestern United States & Central Canada* ..... 6
- ▶ *People and Places* ..... 7
- ▶ *Position Announcements* ..... 7



## Lexington Kentucky, Here We Come!

The Local Arrangements Committee is pleased to welcome you to Lexington, Kentucky, the horse capital of the world, for the 2010 NCWSS Annual Meeting! Located in the heart of downtown, the Hyatt Regency Hotel (<http://lexington.hyatt.com/hyatt/hotels/>) has just completed a multi-million dollar renovation including

updated rooms and a newly opened atrium lobby restaurant, the BlueFire Bar & Grill.

Next door to the Hyatt is the Lexington Center, which features a wide variety of eclectic shops and dining. The lower level features a food court, perfect for a quick bite between sessions. Surrounding the Lexington Center are many other great places to see and outstanding restaurant choices ranging from regional favorites to fine dining. Within a few blocks of the Hyatt, you will find the Kentucky Theater, a real Lexington treasure, which runs both new releases and classic movies. There are many shopping and entertainment venues throughout downtown for your enjoyment. The public transit system, LexTran, services downtown and many other points of interest. Schedules are available at the hotel. Please join us at the Hyatt Regency Lexington, 401 West High Street, Lexington, KY 40507, for the 65th Annual NCWSS Meeting, December 12-16. To guarantee your room at the Hyatt, please call 859-253-1234, or visit <http://lexington.hyatt.com/hyatt/hotels/index.jsp> and use code G-NCWS, before November 10th.

To schedule meals, hospitality rooms, or other events, please contact Sara Carter, [sara.carter@uky.edu](mailto:sara.carter@uky.edu) or 859-259-1914. For any other questions or concerns, please contact Charles Slack, Local Arrangements Chairman 859-227-3355 or [cslack@uky.edu](mailto:cslack@uky.edu) or Sara Carter, [sara.carter@uky.edu](mailto:sara.carter@uky.edu) or 859-259-1914.



*continued on next page*

# Lexington, Kentucky . . .

## Transportation

Blue Grass Airport (LEX): The Hyatt offers complimentary shuttle from LEX as well as free parking! To prearrange your pickup from the airport, call the Hyatt at (859) 253-1234 or (800) 233-1234. Taxi service is approximately \$18 to the hotel from the airport. Limousine service can be arranged through several vendors.

Please contact [sara.carter@uky.edu](mailto:sara.carter@uky.edu) for more information regarding limousine services.

## Driving directions

From I-75 S (Cincinnati, OH)/I-64 E (Louisville): Take exit 115 (Newtown Pike), merge right. Continue on Newtown Pike to US 421 (Main Street). Turn Left onto Main Street. Continue to downtown. At the 2nd traffic light, turn right onto Broadway. Turn right at the next intersection onto High Street. The Hyatt lobby entrance is immediately on the right.

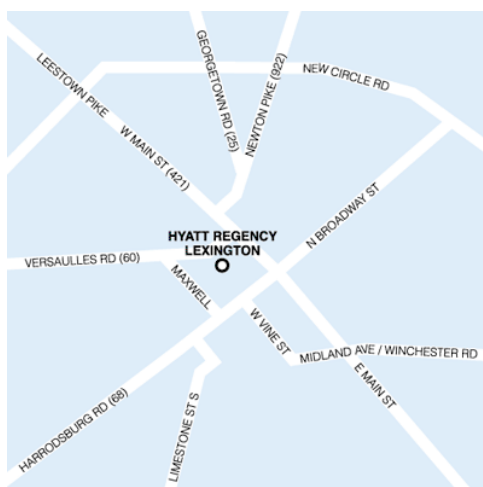
### From I-75 N (Knoxville, TN) :

Take exit 113 (Paris Pike). Turn Right onto Paris Pike toward downtown. Proceed approximately 3 miles on North Broadway to downtown. Turn right onto High Street. The Hyatt lobby entrance is immediately on the right.

### From I-64 W (Charleston, WV)

Merge from I-64 to I-75 N. Take the 113 exit. Turn right toward downtown. Proceed approximately 3 miles on North Broadway. Turn right onto High Street. The Hyatt lobby entrance is immediately on the right.

Valet parking is available for \$15 per night with in/out privileges. Free self parking is available in a surface lot on the left side of High Street. ♦



# A Word From Your President Chris Boerboom

Change and uncertainty seems to be in the air. Policy makers talk about climate change while farmers survive the reality of record rainfalls (i.e. recent deluges in Minnesota and Wisconsin or earlier rains in eastern Iowa). Governors, chancellors, deans, and others who deal with a budget are often facing challenging financial shortfalls, which also means change. Despite a world full of changes, the NCWSS is in a solid position to provide an excellent annual meeting for our members. And I look forward to seeing you all in Lexington in December.

The highlights of the NCWSS Annual Meeting are outlined in Mark Wrucke's article. I truly thank Mark for his leadership in organizing the great symposia and for our members who have volunteered to coordinate the symposia. With these symposia and a strong submission of volunteered papers, I expect the typical situation of making tough choices on deciding which sessions to attend.

I'm also very pleased that our society will be hosting Janis McFarland for our general session. Although our discipline encompasses many facets beyond herbicides, I hope graduate students will attend the general session to learn about the history of atrazine. Atrazine even predates many of our younger weed scientists, including me. The value of Janis's information will also apply to the current events of atrazine's regulatory reviews.

The officers of the Society held the summer Executive Committee Meeting on July 29th in Madison, WI. Three items are worth mentioning. First, plans are being initiated for the 2011 summer weed contest which will be heralded as the 2011 Weed Olympics. This national event is scheduled for July 26-27th in Knoxville, TN and is being coordinated by University of Tennessee weed scientists. Teams from the NCWSS are encouraged to attend and our teams will use the Olympics as our summer contest with awards and rankings based on performance against other NCWSS teams. Awards across all regions will also be provided. More information on the Weed Olympics will be provided by the Resident Education Committee.

Second, special thanks go out Mark Wrucke and Bob Hartzler for breaking in the new title and abstract submission web software. In the long-run, it should improve the efficiency for both members and future program chairs. However, Mark invested extra time

## A Word From Your . . .

to set up the system to match the needs of our annual meeting. If you noted ways to improve the efficiency of the system or other enhancements that would be beneficial, please let us know and we will check on the feasibility.

Third, one of our unsung heroes, who is tracking the numerous organizational changes, is Christy Sprague. Our Society has restructured the board membership, changed the procedure for board elections, redefined some committee responsibilities and eliminated others, added a new outstanding graduate student award, and more. The Board also needed to update

statements and procedures in terms of ethics, records retention, etc. All of these actions come together in the famous NCWSS Manual of Operating Procedures or MOP. The task of making these changes in such an interlinked document has been large and we greatly appreciate Christy's role in pulling this together.

To wrap up, I'll just encourage members to take advantage of the opportunity to attend our annual meeting. Furthermore, I ask that you remain active in the Society, by not only attending committee meetings of interest, but actually participating. We are a volunteer society so our collective success is dependent on your individual actions. I hope to see you all soon. ◇

## 2010 Program Information - Mark Wrucke

The 2010 NCWSS Program is coming together with a wide diversity of topics which should be interesting and worthwhile. Local arrangements Chair, Charlie Slack, has been working closely with the staff at the Lexington Hyatt Regency to ensure that meeting space will be convenient and adequate for all sessions. Our general session on Tuesday should be of interest to everyone as we feature Janis McFarland with Syngenta discussing the impact that atrazine has had on weed control practices. This year marks the 50th anniversary of atrazine in the marketplace and we frequently forget how atrazine revolutionized weed control. Janis will discuss the impact that atrazine had on weed control and review some of the challenges that atrazine has faced over the years. We will continue with a Wednesday noon awards banquet during which all of the Society's awards will be presented. The Society will also host a reception on Wednesday evening as has become a tradition at the NCWSS meeting.

### Five special symposia or sessions are being planned for this year's meeting.

- Anita Dille and others are planning a symposium on the **effects of cover crops on weed management**.
- The NCWSS Learning Store will continue this year with a session moderated by Greg Dahl and Bill Bagley exploring the latest in **herbicide application and adjuvants**.

- Emilie Regnier and her colleagues are developing a symposium discussing recent research in **ragweed biology and management**.

- Mark Peterson and David Simpson have developed a symposium titled **2,4-D – Past, Present and Future**. Status of one of the world's most widely used herbicides.

- Terry Carmody has agreed to once again coordinate the very popular **What's New in Industry?** Session.

These symposia and special sessions cover a wide diversity of topics with something of interest for everyone.

Other Important Information: We have managed to submit presentation titles using the new Title/Abstract Submission software with minimal issues. This new software greatly increases efficiency in putting the program together and should help to eliminate errors. We are also asking that authors submit abstracts using the software. To do so, sign back into the website as you did to submit your title. Scroll down to the abstract portion of the window and click in the abstract box. You can then cut and paste your abstract in the box provided. Abstracts are due by November 12. Complete directions are contained in the NCWSS Summer Newsletter.

Everyone needs to remember to submit their PowerPoint presentations to the Title Submission website approximately 7 days prior to the meeting.



## 2010 Program Info . . .

Please follow the directions for preparing your PowerPoint presentation which are posted on the NCWSS website.

All NCWSS committees will convene during the conference so be sure to check the schedule contained in the printed program. We have worked to reduce the number of committees which places even more importance on your input and participation. Committee meetings are open to all members so please review the program and attend the meetings that interest you.

Please plan on attending the 2010 NCWSS meeting in Lexington, KY. Please complete your meeting registration and make your hotel reservation by November 10 to obtain the best rates. ♦

## CAST Report

The Council for Agricultural Science and Technology (CAST) assembles, interprets, and communicates credible science-based information regionally, nationally, and internationally to legislators, regulators, policy makers, the media, the private sector, and the public.

Consider using information from CAST to inform yourself, your colleagues, and the public with science based information on timely issues. There are some great publications and video you may find useful.

Please take advantage of the impact sites of CAST listed below:

Twitter:

<http://twitter.com/CASTagScience>

Blog:

<http://cast-science.blogspot.com/>

YouTube:

<http://www.youtube.com/user/CASTagScience>

SchoolTube:

<http://www.schooltube.com/user/cast>

Web:

[www.cast-science.org](http://www.cast-science.org)

Duane Rathmann  
NCWSS CAST Representative

## Judges are Needed!

**Judges are needed for the Undergraduate Poster Contest and the Graduate Paper and Poster Contests at the North Central Weed Science Society meeting. Anyone interested should contact:**

**John Lindquist (Undergraduate Poster) - [jlindquist1@unl.edu](mailto:jlindquist1@unl.edu)**

**Brady Kappler (Graduate Paper) [brady.kappler@basf.com](mailto:brady.kappler@basf.com),**

**Fritz Koppatschek (Graduate Poster)**

**[fkoppatschek@abgagservices.com](mailto:fkoppatschek@abgagservices.com).**

## Attention Students Participating in the Contest

**Students entering the contest can find information on contest rules in the “NCWSS Operating Procedures” (pp. 22-25)**

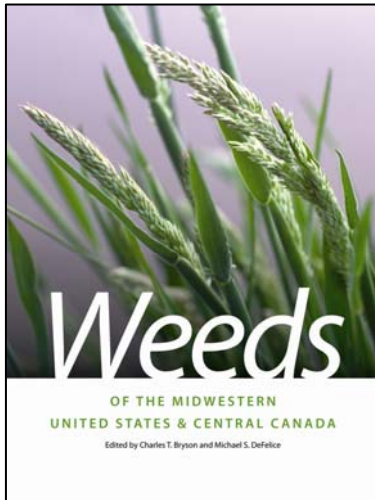
### NCWSS Operating Procedure

**Judges score sheets may be found by following the “Student Poster and Paper Contest” link under the “Annual Meeting tab”.**



**The Weed Science Society of America (WSSA) 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 2011. 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, E-mail address, 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 must also be provided.
- FACULTY:** 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](mailto:jjjachetta@dow.com). Proposals should be received no later than November 13, 2010. Funding decisions will be made by January 21, 2011 and presented at the 2011 WSSA National Meeting Awards Ceremony.



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

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

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

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

---

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

Each species account includes:

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

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

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

## People and Places



Please join me in welcoming Dr. James Rutledge as our newest member of the Product Development team at Bayer CropScience, effective May 3, 2010. James will be taking on responsibility for the glufosinate and other development programs. He has just completed his PhD in Agronomy at Purdue University, West Lafayette, Indiana where he worked on herbicides and physiology of turf systems under Dr. Zachary Reicher. James is originally from North Carolina and attended NCSU where he received MS and BS degrees in Agronomy. He has already relocated to the RTP area with his wife and new baby.

## Position Announcements - Bennett Ag. Res...

### **Research Scientist Bennett Ag. Research Corp 1109 Ivy Avenue Richland, IA 52585**

**RESPONSIBILITIES:** Assume position of Principal Investigator when assigned by the Director of Research. Responsibilities include: trial establishment and maintenance, data and sample collection, equipment maintenance and operation, pesticide application. Supervise physical labor as required.

**QUALIFICATIONS:** Minimum of a B.S. degree in an agriculturally related field with special training and experience. Additionally, experience in crop production and operation and maintenance of commercial and/or research equipment.

**CERTIFICATION:** This individual must be certified or working on such certification by the State of Iowa, at a minimum, as a non-commercial pesticide applicator in the categories of Agricultural Weed Control (1a), Agricultural Insect Control (1b), and Demonstration and Research (10).

For detailed information regarding this opening, please contact David Bennett at office; 319-456-3516, cell; 641-919-5349 or email [barc@iowatelecom.net](mailto:barc@iowatelecom.net).

## NCWSS

If you are a member of NCWSS and wish to announce a position, send announcements to Harlene Hatterman-Valenti at [h.hatterman.valenti@ndsu.edu](mailto:h.hatterman.valenti@ndsu.edu)

### **Extension Specialist in Soybean and Small Grains Department of Horticulture & Crop Science The Ohio State University**

- TITLE:** Extension Specialist in Soybean and Small Grains
- POSITION DESCRIPTION:** The Department of Horticulture and Crop Science at The Ohio State University ([hcs.osu.edu](http://hcs.osu.edu)) invites applications for an Assistant Professor tenure-track position as State Extension Specialist for soybean and small grains. This is a 12-month, 75% extension and 25% research position located at the Columbus campus of The Ohio State University.
- BACKGROUND:** Soybean is the number one crop in Ohio in terms of acreage grown and value of production, and winter wheat and oats combined are ranked third in acreage and value of production. Ohio is ranked seventh nationally in the production of soybean and winter wheat. Ohio is ranked first in soft red winter wheat production and fourth nationally in wheat milling. This position will continue the strong tradition of OSU Extension providing the soybean and wheat growers of Ohio with research-based information to help them maintain high levels of productivity. The soybean and wheat performance trials administered by this position have helped Ohio producers select superior varieties and cropping practices that improve productivity and profitability.
- RESPONSIBILITIES:** The successful candidate will be expected to establish a nationally recognized extension program focused on soybean and wheat production within sustainable cropping systems. The specialist will provide statewide, regional, and national leadership that supports and strengthens the work of the Ohio State Univ. Extension and Development's Agronomic Crops Team (<http://agcrops.osu.edu>) in developing and disseminating current science-based information and technologies aimed at improving agronomic crop production systems. To facilitate technology transfer and adoption of recommended practices, the specialist will interact with producers, industry representatives, and producer organizations including but not limited to the Ohio Soybean Council, Ohio Wheat Growers Association, Ohio Small Grains Marketing Program, and with state and regional agencies as appropriate such as the states Department of Agriculture, the USDA Natural Resources Conservation Service, and the Soil and Water Conservation Districts.

The successful candidate is expected to develop an independent, relevant, and well-focused interdisciplinary research program aimed at improving the efficiency, profitability, and environmental compatibility of soybean and small grain cropping systems for Ohio and the surrounding region. Research might include: resource-efficient and environmentally compatible cropping systems, abiotic and biotic stress management, cropping system response to climate change, nutrient and water use efficiency, evaluation of transgenic traits to meet multiple production and environmental goals, seed treatments, grain quality and use, and production practices for emerging food-grade uses and bio-based industries. The specialist will provide overall supervision of the Ohio Soybean and Wheat Performance Testing Programs (<http://www.ag.ohio-state.edu/~perf/>). The appointee will be an active participant in an interdisciplinary team of research and extension faculty members with a history of strong collaboration in addressing researchable questions



## Position Announcements - The Ohio State ...

*Continued from previous page*

### **Extension Specialist in Soybean and Small Grains Department of Horticulture & Crop Science The Ohio State University**

**RESPONSIBILITIES:** and opportunities facing Ohio's soybean and small grains producers. Possible collaborators include scientists in the departments of Plant Pathology, Entomology, and Food Agriculture and Biological Engineering, as well as USDA scientists located at OSU, scientists across the nation, and members of industry groups and statewide programs such as the Ohio BioProducts Innovation Center and the Ohio Soybean Council. Opportunities exist to collaborate within working groups addressing food security and quality such as the Center for Food Safety and Ag Security and Functional Foods Center of The Ohio State University.

The successful candidate will be expected to actively recruit, advise, and train graduate students to prepare them for significant contributions within the agronomic profession. The candidate will be expected to attract extramural funding to support research and extension programs. The candidate will serve the department, college, university, and professional societies as appropriate.

**QUALIFICATIONS:** A Ph.D. in a plant science discipline such as Crop Science, Agronomy, Plant Sciences, Weed Science, Crop Physiology, Crop Ecology, Crop Modeling or related field is required. Prior experience with extension programming, applied research, evidence of scholarly accomplishments, and evidence of acquiring extramural grant support is highly desirable. Effective oral and written communication skills are required and experience in web-based information delivery is also desirable.

**APPLICATION INSTRUCTIONS :** The application deadline is October 1, 2010 or until a suitable applicant is found. Please submit application materials electronically (MS Word or PDF format) and as hard copy. A letter of application, curriculum vitae, and three letters of reference should be included. The letter of application should briefly describe the applicant's experience in outreach education/training, approach and goals for extension teaching, and a concise statement of research interests.

All application materials should be sent to:

Kent Harrison, Search Committee Chair (harrison.9@osu.edu)  
Department of Horticulture and Crop Science  
The Ohio State University  
2021 Coffey Road  
Columbus, OH 43210-1086  
Telephone (614) 292-5056

***To build a diverse workforce The Ohio State University encourages applications from individuals with disabilities, minorities, veterans, and women. AA/EEO employer.***

## Position Announcements - FMC

### Research Weed Scientist FMC Princeton, NJ

**RESPONSIBILITIES:** In this role you will manage biology whole organism studies from start to finish as part of a growing herbicide biology group within the R&D organization of a global S&P 500 leader. Far from being confined to one or two aspects of research, you will be involved in designing, conducting and interpreting laboratory and greenhouse studies. You'll be able to expand your knowledge on an ongoing basis and we'll welcome your good ideas for products as well as process improvement. If you're coming from academia (or even from industry), we think you'll be pleased with the resources, compensation and career opportunities at FMC.

**QUALIFICATIONS:** The ideal candidate will have a PhD in Plant Biology or Weed Science, industry experience and a demonstrated ability to run lab and greenhouse studies from planning the project to presenting the results in a meeting. We also will consider recent PhD graduates who have practical, hands-on experience (perhaps via research or internship) with weed control and crop safety in lab, greenhouse and field settings. In addition we are open to candidates with a Master's in Plant Biology or Weed Science and at least three years of directly relevant experience.

**ABOUT THE  
COMPANY:**

FMC is a S&P 500, diversified chemical company serving agricultural, industrial and consumer markets globally for more than a century. As a global leader utilizing advanced technologies and customer-focused research and development, FMC provides innovative and cost-effective solutions to food, agriculture, pharmaceutical, specialty and related industries. FMC is an Equal Opportunity Employer, EEO, AAE, MFDV and supports a drug free workplace.

**APPLICATION  
INSTRUCTIONS:**

We want you to be as selective as we are! For a detailed 'insider's view' of this position and to submit your resume online, please visit the following URL:

<http://fmc.jobinfo.com/description.lasso?adid=26041>

If the link does not work, simply copy the complete URL and paste it into your browser's address line.

PLEASE RESPECT OUR RECRUITMENT PROCESS. DO NOT USE ANY OTHER METHOD TO APPLY OR CLICK ANY OTHER BUTTONS. Thank you for your attention to this detail.

## Position Announcements - ISU

### **ASSISTANT/ASSOCIATE PROFESSOR** **Department of Horticulture** **Iowa State University** **Ames, IA**

**DESCRIPTION:** The Department of Horticulture at Iowa State University invites applications for a 12-month, full-time, tenure-track faculty position. The position of Assistant/Associate Professor in Horticultural Food Crops has responsibilities of 60% extension, 30% research and 10% teaching. The successful candidate will lead an integrated extension and research program, work with vegetable growers throughout Iowa to help develop profitable and sustainable enterprises and will join a multidisciplinary team of food-crop professionals at Iowa State University. Tenure-track, 12-months, Full-time.

Expectations include developing a strong extension-education program and an externally funded research program that demonstrates intellectual leadership in vegetable production and management, local foods, or related areas.

The successful candidate will be responsible for advising and mentoring graduate students, teaching an upper-level undergraduate course in vegetable production and management in alternate years, and contributing to university service.

**QUALIFICATIONS:** Assistant Professor: Ph.D. in Horticulture or related discipline; relevant professional experience with vegetable crops; evidence of effective communication with a wide-range of audiences, such as agricultural clientele, grower groups, agencies, mass media, researchers, and students.

Associate Professor: In addition to the above required qualifications, the successful candidate must have five years or more of professional experience beyond the terminal degree and must have developed an outreach and/or extension program with an emerging national reputation in vegetable crops and demonstrated potential for national distinction, sustained achievements in publication and external grant funding, trained Master's and Ph.D. degree students, demonstrated a commitment to excellence in undergraduate instruction, and completed satisfactory institutional service.

**PREFERRED QUALIFICATIONS:** Successful delivery of extension programming; experience with a diversity of vegetable production systems; food safety programs such as Good Agricultural Practices; fresh produce supply chains; and facilitating engaged learning for university students.

**SPECIAL CONDITIONS:** All offers of employment, oral and written, are contingent upon the university's verification of credentials and other information required by federal and state law, ISU policies/procedures, and may include the completion of a background check.

**PROPOSED START:** 7/1/2011

**APPLICATION INSTRUCTIONS:** To apply for this position, please click on "Apply for this Vacancy" and complete the Employment Application. Please be prepared to enter or attach the following: 1) A curriculum vitae; 2) A letter of application that includes a statement of extension/research/teaching interests, experience, and professional goals relevant to this position; 3) Names and addresses of three to five references (including telephone number and e-mail address), and 4) Unofficial transcripts from universities attended (please attach as "other documents").

For best results, convert documents to PDF to preserve document formatting. You can register for free conversions at <https://createpdf.adobe.com/> For questions regarding this application process, please e-mail [employment@iastate.edu](mailto:employment@iastate.edu) or call 515-294-4800.

For questions regarding this vacancy, please contact:

Dr. Jeff Iles, Professor and Chair

Department of Horticulture

106 Horticulture Hall

Iowa State University

Ames, IA 50011-1100

Telephone (515-294-3718), fax (515-294-0730) and e-mail ([iles@iastate.edu](mailto:iles@iastate.edu))

For more information about Iowa State University, The College of Agriculture and Life Sciences, the Department of Horticulture, and the State of Iowa, please visit: <http://www.hort.iastate.edu>

The guaranteed consideration date is October 11, 2010. Applications will be accepted until position is filled.