# North Central Weed Science Society North Central Weed Science Society Vol 28, Number 2, Summer 2011

### North Central weed Science

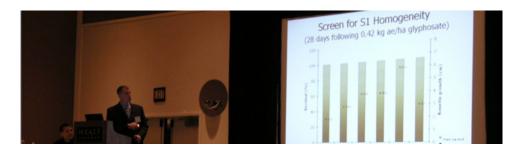
2011 NCWSS Annual Meeting ..1
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### www.ncwss.org

2011	NCWSS	ANNUAL	<b>MEETING</b>



Milwaukee and your local arrangements committee are looking forward to hosting the 2011 annual meeting at the Hyatt Regency. It seems like yesterday when we last held the 2006 meeting in Milwaukee. The Hyatt Regency Milwaukee is newlyrenovated and promises to be an excellent location for our 66th annual meeting. Come December 12-15th, the LAC hopes to see you all in Wisconsin.



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



North Central Weed Science Society

# **Presidential Comments - Mark Wrucke**

As I write these comments, we are finally coming to the end of another interesting (?) spring season. Hopefully all has gone well with your programs and that you have had a safe and successful spring.

We are rapidly approaching the 2011 Weed Olympics to be hosted by Greg Armel and Jim Brosnan at the University of Tennessee in Knoxville. This contest is unique as it will have teams from the NCWSS, NEWSS, SWSS and WSWS competing. There are a total of 31 graduate teams and 12 undergraduate teams registered which will provide a great opportunity to interact with other students and weed scientists from around the country. Thank you to Greg and Jim for hosting this contest. All details regarding this competition are available at http://weedolympics2011.org. This will be a great experience for everybody and I hope to see you there.

This newsletter serves as our kick-off for the 2011 Annual Meeting in Milwaukee, WI. We recently held our summer Board of Directors meeting at the Hyatt in Milwaukee and had the opportunity to see the remodeled facilities which we will enjoy this year. This year the Midwest Invasive Plant Network and the Invasive Plants Association of Wisconsin will join in our meeting starting on Wednesday. This will provide another excellent opportunity to interact with others interested in weed management but this will also present some logistical challenges. Program Chair Bryan Young and Local Arrangements Chair Mick Holm have been working with representatives from MIPN, IPAW and the Hyatt to find creative ways to utilize the meeting facilities. After touring the facilities, I feel that they have a great plan in place which will result in another outstanding meeting. Milwaukee is a great host city for the NCWSS Annual Meeting. I am sure many of us think of beer when

we hear Milwaukee. However, Milwaukee is also home to Harley-Davidson motorcycles, Jelly Belly jelly beans, numerous sports teams and some excellent restaurants. Be sure to join us for all the fun December 12th-15th.

This newsletter also contains the Call for Papers and Posters for the annual meeting. Please consider sharing your results at this years meeting. We will once again be using the new title and abstract submission software which was used last year. Minor changes have been made to make this software even easier to use and aid in program development. Please let us know if you encounter any difficulties with this system as we want to make if as useful as possible.

The NCWSS partners with the other regional weed science societies and the WSSA to voice our concerns with legislative challenges for our discipline. This year we have provided support for funding of numerous USDA programs, support for changes to National Pollutant Discharge Elimination System permit process, and support for restoring funding for the Aquatic Plant Control Research Program. I am especially proud of our society as we voted at our summer board meeting to provide financial support for an EPA summer tour of Weed Resistance. This tour is designed to provide key EPA officials with a view of weed resistance issues and its impact in the North Central region. This type of education is an important function of our society and one which we need to expand in the future. If you have any other ideas of areas that the NCWSS needs to get involved, please let me know.

Thank you to all of you for the work you do for our discipline and our society. Have a great summer!

# **Call for Nominations: 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 III (Rules), Chapter 2 (page 26) on the NCWSS Website: http://www.ncwss.org/info/Operating-Guide-2010.pdf. Nominators need to start the process early to procure letters

of support for the nomination. The deadline for receipt of nominations is September 30. Electronic nominations (pdf files) should be sent to:

Mike Owen Fellow Committee Chair mdowen@iastate.edu 515-294-5936

# **NCWSS** Annual Meeting

# Message from the Program Chair – Bryan Young

This is the call for Papers and Posters for the 2011 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 2nd. Submissions received after September 2nd may be placed in alternate sections, switched to the poster session or rejected depending on the availability of space in the sections. The web-based title and abstract submission process that was introduced to the NCWSS last year will be used again in 2011. The Title/Abstract Submission website will be available by July 15, 2011 through the NCWSS website (www.ncwss.org) or by going directly to the submission website hosted through WSSA (wssaabstracts.com).

The program begins Tuesday morning, December 13th, 2011 and concludes Thursday afternoon, December 15th, 2011. The general session will feature the Presidential Address by Mark Wrucke and a keynote speaker with information of interest to all NCWSS members. Symposia planned for the meeting include full-day sessions on "Giant Ragweed Biology and Management" as well as "Invasive Species Management." Half-day symposia are being developed for "Seed Trait Registration" and "What's New in Industry." Symposia Chairs will be responsible for submitting invited speaker presentations. Within this year's program the NCWSS will be hosting workshops for the Midwest Invasive Plant Network (MIPN) and the Invasive Plants Association of Wisconsin (IPAW) on Wednesday and Thursday of the conference. We have enjoyed great success in partnering with these groups previously such as the Milwaukee conference in 2006. Our goal is to intertwine some sessions for participation by all groups to gain the full benefit of the strengths each professional society has to offer members. The volunteer paper and poster sections are listed below and directions are included for submission of papers and posters into these sections.

The 2011 program will feature the traditional 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 under About NCWSS – NCWSS Manual of Operating Procedures. We again look forward to top-quality presentations by the students.

Authors will upload their presentation to the

Submission website about 7 days before the meeting. Using the Submission website helps to prevent clogging up e-mail accounts with large file attachments and allows the section chairs to bring the preloaded presentations to the meeting. If this is not possible, make sure you contact your section chair to make other arrangements.

Please consider giving one or more presentations at our annual meeting. We are interested in what you are working on. In addition to research, thought provoking or critical assessments of our discipline are also welcome. 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.

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

# Second Year for On-line Submission Process of Papers and Posters

Please follow the included directions, heed the deadlines and please contact me if there are any questions.

**SIGN-IN:** The sign-in section should be available starting July 15, 2011. Go to the home page of the NCWSS website (www.ncwss.org) and connect to the site through the link found there or go directly to the submission website hosted through WSSA (wssaabstracts.com). You will need your login and password for your account or create your own new account if you have not done so previously.

**SUBMIT TITLE:** Simply follow the site's instructions for submission. Select your preference for paper section (Horticulture and Ornamentals, etc.). Enter the title and authors' names in the spaces provided. Be sure to use the pull-down menus at the right to indicate member status and to indicate if an author is the presenter or not. It is critical that we know which papers will be competing in the student contests, so please be sure to indicate this for your title submission. For the September 2nd title deadline, fill in the title, authors and affiliations (type in as it would appear in the final abstract). Try to make sure you have everything as you want it before submitting. Click on the "Submit" button when you have entered all the information.

# **NCWSS Annual Meeting - Continued**

**SUBMIT ABSTRACT:** Sign in to your account as you did previously for the title submission. Click on the link to submit an abstract. Scroll down to the abstract part of the window and click anywhere in the area designated to hold the abstract. Cut and paste your abstract in the box provided. There is no need to include the title and authors in the "cut and paste" portion since the correct information has already been entered in the boxes at the top of the page. I would recommend making all changes prior to pasting into the submission form. NOTE: If you have changed authors (added or deleted) or made a title change, please send an email to both your section chair and me (bgyoung@siu.edu) to alert us about the change.

**ACTION SUMMARY:** Titles will be due on **September 2nd.** At this time, we will ask you to enter the site and type in your title, authors' info, section preference and submit. Abstracts will be due **November 18.** At this time, we request you to enter the author information as indicated, cut and paste abstract, select keywords, and submit.

# **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. Connect to the NCWSS website (www.ncwss. org) and use the link to connect to the Title/ Abstract Submission website or go directly to the submission website (wssaabstracts.com). Follow the directions previously listed in this article.
- 4. Important Note: Type the title, authors, affiliation (institution, agency or company) and location 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. Place a checkmark in the box next to the author's name to designate 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. Pleases 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.

### Paper and Poster Section Chairs

- Agronomic Crops I (Cereals, Sugar Beets, Dry Beans) Ryan Lins – 507-251-5524 ryan.lins@syngenta.com
- Agronomic Crops II (Corn, Sorghum) Eric Scherder – 515-597-2660 efscherder@dow.com
- Agronomic Crops III (Soybeans, Legumes) Ron Krausz – 618-566-4761 rkrausz@siu.edu
- Equipment and Application Methods Bertel Schou – 319-277-6661 bertschou@aol.com
- Extension Jeff Stachler – 701-231-8131 jeff.stachler@ndsu.edu
- Herbicide Physiology Paul Marquardt – 765-409-6369 pmarquar@purdue.edu
- Invasive Weeds Reid Smeda – 573-882-1329 smedar@missouri.edu
- Forestry, Industrial, Turf, Aquatics, Forage and Range Bob Masters – 317-337-4281 ramasters@dow.com
- Horticulture and Ornamentals Rodney Tocco – 517-355-5191 toccorod@msu.edu

# **NCWSS Annual Meeting - Continued**

- Weed Biology, Ecology and Management George Kegode – 660-562-1126 gkegode@nwmissouri.edu
- Poster Session Jerry Hora – 563-662-5013 jerry.hora@bayer.com

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

# **Paper Presentations and Presentation Format**

All papers will be presented with PowerPoint files through an LCD projector. Electronic presentations will be limited to Power Point programs and need to be uploaded to the Submission website 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 on the NCWSS website (www.ncwss.org). Abstracts should be submitted electronically via the Title/ Abstract Submission website prior to the meeting (by November 18). 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 5:00 p.m. on Wednesday. One poster mounting board, 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 in the Title/Abstract Submission system linked to the NCWSS website. Additional details will be mailed to each poster session participant following title submission.

# <u>Call for Sustaining Member and Sustaining</u> <u>Member Displays</u>

Contact the chair of the Industry Committee, David Saunders (515-535-4485; david.w.saunders@usa. dupont.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.  $\diamond$ 

# **Call for Nominations: Distinguished Achievement Awards - Chris Boerboom, Past President**

The NCWSS has exceptional, dedicated, and successful members and students who make significant contributions to our Society and discipline. Please take a few minutes to recognize the contributions of outstanding members by nominating them for a Distinguished Achievement Award. If you are unsure if a person has received an award already or not, just check the NCWSS website (www.ncwss. org) for a listing of past recipients under the tab "About NCWSS". Nominations are a simple process and the NCWSS can present up to five awards each year from the following categories:

# Research, Industry, Education, Service, Professional Staff, Young Scientist

For these categories, the nomination guidelines are similar, and can be found on page 23-24 of the NCWSS Manual of Operating Procedures, which is available on our website at www.ncwss.org/about. php. Nominators need to initiate the process early to procure letters of support prior to the application deadline. Submissions of nomination materials are due September 30, 2011. In addition, we want to present the new award, the Outstanding Graduate Student Distinguished Achievement Award, for the first time in 2011. The eligibility and nomination information pertinent to this new student award are found on pages 25-26 of the Manual of Operating Procedures. The awards committee will review the applicants and the selected finalists will be interviewed at our annual meeting. This award will be given to a graduate student who is actively involved in the society, and a contributor to the field of weed science through extension, research or teaching.

# Remember, the deadline for submissions is **September 30, 2011.**

Email an electronic version (pdf preferred) of complete nomination packages for all awards to: Chris Boerboom at chris.boerboom@ndsu.edu. Please call me at 701-231-7171 if you have any questions.



# http://www.weedolympics2011.org/Pages/default.aspx

# **People and Places**



### Vince M. Davis

Department of Agronomy 356 Moore Hall 1575 Linden Drive Madison, WI 53706

Vince Davis joined the Agronomy Department at the University

of Wisconsin-Madison as an Assistant Professor and Extension Specialist in Cropping Systems Weed Science. Prior to joining the department, Davis was an Extension Soybean Specialist at the University of Illinois from spring of 2009 to spring of 2011. Dr. Davis will focus research and Extension efforts on the integration of weed management practices to address concerns of herbicide resistance, atrazine use restrictions, and adoption of new herbicide tolerant traits in corn, soybean, small grains, and sweet corn crops.

Dr. Davis grew up on a grain and swine farm in University of Wisconsin-Madison northwest Illinois, earned a B.S. in Agronomy from Western Illinois University in 2003, and earned a M.S. (2006) and Ph.D. (2009) in Weed Science from Purdue University. Dr. Davis' graduate research at Purdue focused on the biology and ecology of glyphosate-resistant horseweed under the direction of Dr. Bill Johnson. He has been a member of the NCWSS since 2002 and has earned numerous society awards. Dr. Davis is excited to be back 'full-time' in the weed science community and we are pleased to have him at UW-Madison.

# **Congratulations!**

Dr. Curtis Thompson, Professor / Extension Weed Management Specialist received the Gamma Sigma Delta - Excellence in Extension Award at the Kansas State University Spring 2011 Reception on April 22, 2011.

# **People and Places - Continued**

Dr. Anita Dille, Associate Professor, Weed Ecology was recognized with the Gamma Sigma Delta -Outstanding Teaching Award at the Kansas State University Spring 2011 Reception.

Anita Dille was also one of four Kansas State University Faculty awarded the Commerce Bank Outstanding Undergraduate Teaching Award. She received the award during the College of Agriculture Commencement ceremonies on May 14, 2011.

Dr. Harlene Hatterman-Valenti, Associate Professor, High-Value Crops Specialist received the Larson/ Yaggie Excellence in Research Award, Early Career during the NDSU Agriculture, Extension Faculty and Staff Award Ceremony.

# <u>UNL Weed Science Launches Comprehensive</u> <u>Weed Control Resource</u>





An interactive, online resource, based on sections of the Guide for Weed Management in Nebraska (EC130), is now available at http://weedscience.unl. edu/weedtables/. This resource allows you to select and prioritize the group of weeds present in your field when viewing the efficacy of various herbicides. It provides weed control information for corn, soybeans, wheat, sorghum, and alfalfa grown in Nebraska. It contains sortable herbicide efficacy ratings for many common weeds, weed photos and biological information, use recommendations, and label links. The development of this resource was made possible by a grant from the North Central Integrated Pest Management (IPM) Center.

To use all the features of this resource:

- 1. Select the table you wish to view from the crops menu.
- 2. Drag the weed columns to reorder them by clicking, holding, and dragging the column header left or right to the desired location.
- 3. Click once on the weed column header to re-order the herbicide list from highest to lowest efficacy.

- 4. Click on the herbicide name to view detailed information with use recommendations and a direct link to the label at CDMS.net
- 5. Click on the camera icon in the weed column header to view identification photos and additional information about each weed species.

### Lowell Sandell Extension Weeds Specialist

# New Missouri Weed ID Website Now Online



# Go to Site

A new weed identification website is now available from the University of Missouri Weed Science program at http://weedid.missouri.edu. This website contains over 400 different plant species that could be encountered as a weed of field and horticultural crops, pastures, lawns, gardens, non-crop, or aquatic areas in Missouri and surrounding states. One of the newest features of the website is a keying system that allows users to identify an unknown plant after they have selected the appropriate characteristics from a series of drop-down boxes. Simply select grass or broadleaf weed from the home menu and give this keying system a try for yourself. Or, if you have some idea as to what your weed species might be, you can simply type all or part of the common or scientific name into the appropriate text box and the database will narrow down the possibilities for you. We hope you find this site useful and will send us any feedback that will help us to continue to improve this site in the future. Comments and questions pertaining to the site can be sent directly via e-mail to Kevin Bradley at bradleyke@missouri.edu.

If you are a member of the NCWSS and have announcements about the people, places or things weed science send them to Harlene Hatterman-Valenti

# **Position Announcements - Mississippi State**

# Regional Extension Specialist Pontotoc Ridge-Flatwoods Research Station North Mississippi Research and Extension Center

# Extension Regional Specialist, 100% MSU-ES Appointment

This position supports regional sweet potato production outreach responsibilities. As a Regional Extension Specialist, this scientist will be expected to develop, coordinate, and implement educational programs for Mississippi's sweet potato industry. The candidate will develop and maintain close working relationships with all facets of the sweet potato industry including producers, shippers, processors and County and Area Extension Agents and other Extension Specialists serving those clientele. In addition, the individual will be expected to work very closely with and collaborate directly and regularly with Mississippi Agricultural and Forestry Experiment Station (MAFES) researchers to ensure sweet potato research-based Extension programs are focused on the most pressing needs of the stakeholders. The Specialist will cooperate with Extension agents in sweet potato producing counties to facilitate and accomplish technology transfer through appropriate training presentations, workshops, and in-service Agent training sessions in all areas of sweet potato production, pest and disease management, harvesting, and storage. Other responsibilities include establishing and regularly executing a clientele advisory process both on a local, statewide, regional and national basis. This Regional Specialist will interact regularly with commodity associations and farm organizations representing sweet potato growers, packers, brokers and related industry groups to identify and facilitate timely applied research efforts addressing specific problems encountered by clientele. Specific stakeholders groups are: Mississippi Sweet Potato Council, Mississippi Farm Bureau Federation, and other state/national sweet potato associations. This Regional Extension Specialist will maintain programmatic ties with State Specialists and other scientists in the Department of Plant and Soil Sciences at Mississippi State University. The Specialist must develop and implement innovative disciplinary and interdisciplinary educational programs specified in a state Plan of Work under supervision of the Research and Extension Center Head and the State Agriculture and Natural Resource Program Leader.

The Regional Specialist will ensure information transfer to stakeholders (Mississippi Sweet Potato Producers) through on-farm verification of research based production and pest/disease management recommendations via use of appropriate technology. This Specialist will facilitate, coordinate and participate in on-farm research trials, demonstrations and other research activities in collaboration with MAFES, USDA, and industry scientists. The Specialist will submit and/or partner with colleagues in grant and contract proposals seeking funding to support outreach and applied research efforts. Furthermore, this Regional Extension Specialist will demonstrate and present information and updates through effective program delivery by planning and participating in local, statewide, regional, national and international sweet potato meetings with clientele. In accordance with this Extension appointment, appropriate scholarly publications (print and web based) including: Extension bulletins, web-based information sheets, popular articles in trade magazines and newsletters, and press releases will be published where appropriate. Considerable local and regional in-state travel will be required to ensure the most pressing needs of the industry are met.

The Regional Extension Specialist will actively participate in professional societies/organizations (including the National Sweet Potato Collaborator Group) as well as appropriate NMREC and MSU-ES committees and commodity groups. These activities should include involvement in coordinating sweet potato and agronomic crops research goals/objectives through collaborative "team" efforts with Specialists, Agents and research scientists. The Regional Specialist will have an active voice and display leadership in professional organizations and committees. In addition, this Regional Extension Specialist should work actively in the community to educate the general public about sweet potatoes accomplished through a variety of displays, presentations and other media at educational fairs throughout Mississippi.

# **Position Announcements - Continued**

**QUALIFICATIONS:** Earned PhD or doctorate in Agronomy or related field. Experience in sweet potato production and developing an Extension or applied research program, including seeking extramural funding is essential. Experience in activities demonstrating the ability to work in Extension and/or research teams with commercial specialty crop growers is desirable. Applicant must have excellent written and oral communication skills. Candidates with a minimum of five years Extension experience in agronomy and/or research with knowledge of sweet potato production with emphasis on specialty and traditional row crops will be preferred. Excellent organizational and leadership skills are important. This position will be housed at the Pontotoc Ridge-Flatwoods Research Station.

# **Position Announcements - Crop Protection Products**

# Technical Marketing Support Specialist Crop Protection Products

# Requisition Number: 802

Job Title: Technical Marketing Support Specialist - Crop Protection Products

Function: Marketing

Position Location: MN-Shoreview-1080

### Territory (if applicable): as needed

- Winfield Business Unit: Winfield Solutions is an industry leader in crop protection and farm seed products, providing insights an expertise in this area. Our brands include AgriSolutionsTM crop protection products and CROPLAN GENETICS® seed.
- **Position Purpose:** Work as a liaison among AgriSolutions business directors, brand marketing, product development, Agronomy and Seed Services, product registration, crop protection industry and other groups. Ensure technical accuracy and integration of AgriSolutions brand and crop protection product information to AgriSolutions and Winfield Solutions materials. Edit, update, and develop new materials for all forms of communications including print, electronic newsletters, technical bulletins, sales and marketing materials, training materials, product labels, web sites, etc. Technical and logistical support for Agronomy Seed Services and Answer Plot functions.
  - 50% Sales and Marketing Support for AgriSolutions and Winfield Solutions Products and Programs - In addition to above, serve as technical expert for all AgriSolutions brand products.
  - 30% AgriSolutions and Winfield Solutions Publications
    - Annual project management, updates, editing and printing Winfield Solutions and AgriSolutions family of technical publications including the Crop Protection Guide, Pest Management Handbook and related materials.
    - Integrate new AgriSolutions products and product updates into all publications.
    - Track industry partner product updates and integrate new products and label changes into publications and other communications.
    - Create new technical materials to support the AgriSolutions brand or Winfield Solutions.
    - Create and/or refine training materials.
    - Meet goals for budget.
  - 10% Logistical support for Region Agronomist, Agronomy and Seed Services, Trainees and AgriSolutions Business Directors.
    - Provide logistics to source and respond in a timely manner with needed support and materials for Agronomy Seed Services, Answer Plots, training venues and other marketing venues. Examples include plot equipment, PPE, products, marketing and sales materials, and other training aids.
       Assist in Answer Plot demo protocol and sign development.
    - Assist in Answer Piot demo protocol and sign developing
    - Training program and support of agronomist trainees.

# **Position Announcements - Continued**

- 10% Maintain professional development and professional relationships with key university, industry and governmental personnel.
  - Serve as a key crop protection contact for industry partners, Universities, and governmental agencies.
  - Participate in professional activities and associations at the state, regional and/or national level.
  - Through professional relationships and development functions, source new information and ideas to integrate throughout the company.

**Required (Basic) Experience & Education:** Individuals with BS degrees in weed science, agronomy or closely aligned field who possess extensive experience will be considered. Advanced degree with relevant experience is preferred. However, candidates with required competencies that can learn and assume stated responsibilities and roles will be considered.

# **Required Competencies & Other Skills:**

- Deliver clear, concise and effective verbal and written communications appropriate to one's audience(s).
- Strong organizational skills with the ability to follow up on many concurrent projects with numerous contributors and tight time lines.
- Eye for detail to ensure accuracy, continuity, and completeness of all information.
- Ability to reprioritize regularly and quickly respond to internal and external customers.
- Effective time management.
- Experienced with Microsoft Office Software and ability to learn new programs
- Effective relationship management with good interpersonal skills

**Preferred Experience & Education:** Advanced degree, MS or PhD, preferred in weed science, agronomy or closely aligned field. Minimum of 3 years of experience.

### Percentage of Travel: 15%

Land O'Lakes, Inc. offers a competitive compensation and benefits package, including medical and dental insurance, retirement savings account, tuition reimbursement, PTO, paid holidays, and employee development opportunities. Land O'Lakes, Inc. is an Equal Employment Opportunity and Affirmative Action Employer. Land O'Lakes,Inc. enforces a policy of maintaining a drug-free workforce, including pre-employment substance abuse testing.