

NCWSS • News

North Central Weed Science Society

Vol 31, Number 3, Fall 2014

www.ncwss.org

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Minneapolis Welcomes the NCWSS December 1 - 4

The city of Minneapolis and your local arrangements committee are looking forward to hosting the 2014 NCWSS annual meeting. The Hyatt Regency Minneapolis is an outstanding facility, and the Hyatt staff are going out of their way to ensure a successful meeting. John Hinz, Program Chair, is

developing an excellent program that has something for everyone. If you want to break out of the meetings or extend your stay, the Minneapolis area has a number of attractions and activities to consider: The Mall of America, professional

sports, the University of Minnesota athletic events including hockey, many museums, historic attractions, and abundant dining options. The Hyatt Regency Minneapolis is located on the southwest end of the Nicollet Mall, a street closed to all traffic except buses that has many dining options. If you have questions about the meeting please contact the Local Arrangements Committee Chair, Eric Spandl, epsandl@landolakes.com. We look forward to seeing you in December. To start booking your accommodation, go to <https://resweb.passkey.com/go/NCWSS14>.



Photo Source: Minneapolis City By Nature Web Site

Traveling to Minneapolis Driving Directions

From 94 West (Maple Grove, St. Cloud):
Exit off 94 to North 4th Street. Continue to 2nd Ave. S. and turn right. Be sure not to turn on 2nd Ave. N. You need to cross Hennepin Ave. and Nicollet Mall. Continue on 2nd Ave. S. past the Convention Center to Nicollet Ave. and turn right. Hotel and parking ramp will be on your left.



Photo Source: Minneapolis City By Nature Web Site

If you are a member of the NCWSS and have material you would like to submit to the Newsletter, please send it to:

The next NCWSS News Letter Editor.
TBA

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Welcome to Minneapolis

From 94 East (St. Paul, Wisconsin):

Follow 94W, stay in far right lane to the 11th Street exit. Take 11th Street to 2nd Avenue. Turn left at 2nd Avenue. Go past the convention center. Turn right at Nicollet Avenue. Hotel and parking ramp will be on your left.

From 35W (South):

Follow signs for downtown to the 11th Street exit. Take 11th Street to 2nd Avenue, turn left. Continue past convention center. Turn right at Nicollet Avenue. Hotel and parking ramp will be on your left.

From the Minneapolis/St. Paul International Airport:

Exit right out of the airport and follow signs to 494 West. Take 494 west to 35W North. Follow signs for downtown to the 11th Street exit. Take 11th Street to 2nd Avenue, turn left. Continue past the convention center. Turn right at Nicollet Avenue. The hotel and parking ramp will be on your left.

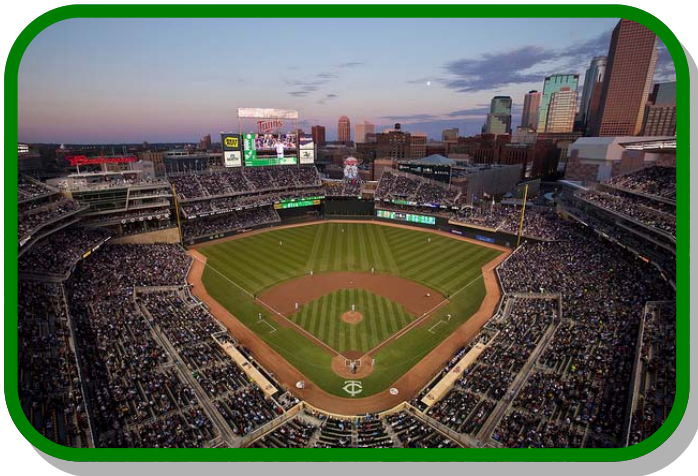


Photo Source: Minneapolis City By Nature Web Site

Super Shuttle Service

\$16 per transfer-one way, \$28 round trip-cash or pre-pay credit card. From airport to hotel, it runs between 4:30 AM-11:00 PM. After 11:00 PM and before 4:30 AM please call Super Shuttle to arrange pick up. Follow the signs for Hotel Shuttles and Scheduled Vans to the Ground Transportation Atrium. The Super Shuttle guest service desk is located near the center of the shuttle area. Service is available 24-hours. From hotel to airport: Reservations must be made at least 1.5 to 2 hours in advance. Reservations may be made by calling Super Shuttle at 800 258 3826.

Taxi

Approximately \$40 arrival or departure from the airport.

Light Rail

You can catch the light rail at the MSP airport (Terminal 1 or 2) and it will drop you on northeast side of downtown on the Nicollet mall. It is approximately a 10 block walk to the hotel or a quick taxi ride. For more information: <http://www.metrotransit.org/light-rail>

Hotel Information

HYATT REGENCY MINNEAPOLIS
1300 Nicollet Mall, Minneapolis, MN 55403
888-421-1442
www.minneapolis.hyatt.com

Parking

The Hyatt offers valet (\$30/day) or self parking (\$17/day). Maximum clearance is 6'6". Access is immediately in front of the hotel, off Nicollet Avenue. Additional parking information is available at <http://www.ci.minneapolis.mn.us/parking/>

Dining

The Hyatt offers onsite dining with the Prairie Kitchen and Bar <http://prairiekitchenandbar.com/>. They also offer the Market, a small deli for on the go dining. The Market will have box lunches available during lunch for those not wishing to leave the hotel. The downtown Minneapolis area offers abundant dining options and many are accessible by walking through the Skyway system or with a short taxi ride. For more information on the skyway, try this app: <http://minneapolis-skyway.topapp.net/>. For dining options, please see: <http://www.citypages.com/restaurants/> or <http://mspmag.com/dining/>. Or use the Urban Spoon or Yelp apps on your phone.

Hotel Activities

The Hyatt has a number of activities on site including a heated pool and large fitness center with a basketball court. An area within the fitness center also has numerous tables and chairs for private meetings.

Area Attractions:

<http://www.exploreminnesota.com/>
<http://www.minneapolis.org/visitor/tours-attractions/suggested-itineraries/150-things-to-do-in-minneapolis>
<http://www.citypages.com/calendar/>

President's Message - JD Green

Our summer research and extension activities are coming to an end. It is now time to summarize research trials and begin the fall and winter meeting season sharing what we have learned and observed during the past season. I trust many of you have submitted your titles for an oral or poster presentation at our 69th annual meeting of the North Central Weed Science Society. This year the meeting will be held December 1-4 at the Hyatt Regency in Minneapolis, MN. President-Elect and Program



Chair John Hinz and Local Arrangements Chair Eric Spandl and their committees have been very active developing the program and preparing the venue. Two symposia have been planned which should be of strong interest to several members of the society - "Cover Crops" and "The Human Dimension of Managing Herbicide Resistance." A preconference tour for students is being planned by Winfield Solutions. In addition, Anita Dille is organizing a Women in Weed Science breakfast. Other details on the program, hotel, and travel can be found in other sections of this newsletter. I want to thank John, Eric, and their committees for all their efforts in putting together what should be an interesting and productive conference.

The NCWSS Board of Directors held their summer meeting in Johnston, IA on July 25 following the summer weed contest. Action items during the year have included defining the length of service for the Proceedings Editor, Communications Editor, and the Secretary-Treasurer; investing some of our financial reserves with RBC Wealth Management; a change in the structure for the sustaining membership dues; and sponsorship of the Upper Midwest Invasive Species Conference. I was able to attend the 2nd Herbicide Resistance Summit meeting which was held in September at the National Academy of Sciences in Washington DC. Bryan Young,

representing the NCWSS at this meeting, along with Mike Owen and several other members of the society also participated in this program. The primary objectives of this meeting were to continue to raise awareness of this highly important issue and a call to action by university scientists, industry, government agencies, economists, crop consultants, and crop producers to tackle this "wicked" problem. You can view the webcast of this program at:

<http://wssa.net/weed/resistance-summit-ii/>

One of the highlights of the summer is the annual student weed science contest held this year in Johnston, IA. Dave Johnson did an extraordinary job organizing and hosting this event at the DuPont Pioneer research facilities. He had some wet weather challenges for establishing the field plots, but the weather for the day was delightful for this outdoor activity. I want to thank Dave, the DuPont Pioneer staff at Johnston, all the volunteers and judges, the students, coaches, and others who helped make this contest a success. Ninety-one students participated in the contest representing 9 different universities across the North Central region. It is exciting to see a high level of interest in this activity by students, particularly those undergraduates who likely discovered the opportunity of future careers in weed science.

I trust that you have been experiencing a productive year. As we wrap up 2014 I look forward to seeing you at the annual NCWSS meeting in December. Take a moment to encourage others to attend as well. Have a great fall!

2014 Annual Meeting Information

John Hinz, Program Chair

NCWSS 2014

The 69th annual meeting of the NCWSS is approaching soon! The meeting will be held December 1-4, 2014 at the Hyatt Regency in Minneapolis, MN. Eric Spandl and his local arrangements team are working with the hotel staff to get things

ready. The paper and poster titles are in and we are working to organize them into what should be another interesting and valuable program for our members.

General Session

We will be welcomed to Minneapolis by Bev Durgan, Dean of Extension for the University of Minnesota. The general session will feature Larry DiVito the Head Groundskeeper for the Minnesota Twins. He will present on turf grass management for a professional sports team. Lee Van Wyche will give an update on Washington Science Policy Update. JD Green will give the annual NCWSS Presidential Address followed by a necrology report by Joe Armstrong.

Awards Luncheon and Social

Our new NCWSS Fellows, Distinguished Achievement Awards winners, and student contest winners will be recognized at the Awards Luncheon on Wednesday, December 3rd. The Society Social, sponsored by our sustaining members, will be that evening.

Women in Weed Science

There will be a new event this year entitled "Women in Weed Science". Anita Dille is coordinating this event. There will be a free breakfast meeting open to all women at the North Central Weed Science Society meeting. Please see the announcement in this newsletter for more information.

Symposia

There are two symposia this year. A symposium on "Cover Crops" is being organized by Devin Wirth. Mike Owen is organizing a symposium entitled "Roadmap to Success: The Human Dimension of Managing Herbicide Resistance." In addition, Mike Meyer is coordinating the popular "What's New in Industry" session. Mike is also organizing the Industry breakfast meeting, scheduled for Thursday morning, December 4th.

Student Activities

In addition to the traditional student paper and poster contests, we are planning other activities geared towards students. A preconference tour of Winfield Solutions will be offered to member students and their

professors on Monday, December 1. In addition, we plan to have the Student Quiz Bowl during the BASF-sponsored Student Mixer on Monday evening, December 1. See separate articles in this newsletter on these student activities. Dow AgroSciences is again sponsoring the Student Luncheon and Business meeting on Tuesday, December 2.

Committee Meetings

Several committee meetings are scheduled and we welcome your input. These meetings are open to all members and your input is very important to help guide future meetings and our society's role in the scientific community, as educators, and as weed managers. If you have an interest in serving on a particular committee please let the society President know.

Presentation Recording

Offered again this year is the opportunity to record presentations and posters for viewing by members at a later date on the NCWSS web site. Presentation recording and posting is *strictly voluntary* and authors were able to choose whether or not they wanted their presentations recorded when they submitted their titles. Another option is to post a PDF version of slides or posters on the web site. Authors may change their minds and choose not to have their presentation recorded and posted or to remove it from the web site at any time by contacting the Program Chair. Presentations will be available for viewing by NCWSS members only for a period of one year after the meeting. The Strategic Planning Committee, chaired by Brian Jenks, continues to lead this effort.

Titles, Abstracts, and Presentation Loading

Title submission through the web-based system seemed to work very well again this year. This system will also be used for submitting abstracts and oral slide presentations. See the NCWSS Summer 2014 Newsletter (<http://www.ncwss.org/>)

Continued on Next Page

2014 NCWSS Annual Meeting

[news/2014/Summer2014.pdf](#)) for complete instructions on submitting abstracts, which are **due by November 21**, and for preparing and submitting your slide presentations for the meeting. PowerPoint files for oral presentations should be submitted to section chairs by **November 24**.

Early Registration and Hotel Reservations

Please plan to attend the 2014 NCWSS meeting in Minneapolis. **Early registration deadline for the meeting is November 7 (fee increases by \$50 after this date for all NCWSS registrations). Make your hotel reservations by November 7 to get the group rate.**

Undergraduate and Graduate Student Contest Judges Needed

We have had a great turnout for the graduate student paper and undergraduate and graduate student poster contests for our annual meeting. Therefore, judges will be needed to help with this important activity. Judging will take place on Tuesday, December 2nd. If you wish to participate

as a judge please contact:

Undergraduate Poster contest Chair: Tate Castillo
tate.castillo@bayer.com

Graduate Paper Contest Chair: Doug Nord
dwnord@gbta.net

Graduate Poster Contest Chair: Mark Bernards
ML-Bernards@wiu.edu

Graduate Student Quiz Bowl

BASF Student Mixer

December 1th, 2014

The Quiz Bowl will be another featured activity at the NCWSS annual meeting! Gather teammates for a head-to-head competition during the BASF Student Mixer on Monday night. Teams will consist of 3-4 individuals who will answer questions on weed science topics. The teams will be randomly paired off in a bracket similar to the NCAA basketball tournament, with the winning team from a pairing advancing to the next round until a winner is decided. Great prizes for the winning team! Multiple teams from a university are welcome. Teams can sign up for the Quiz Bowl at the start of the Mixer (by 6:45 pm, Monday, December 1).

To all NCWSS members:

A new event at the 2014 NCWSS meeting in Minneapolis will be a "Women in Weed Science" Networking Breakfast to be held on Wednesday, December 3 from 6:30 to 8:00 am. All female attendees, including graduate and undergraduate students, spouses, and all academic and industry professionals, are invited to participate for this networking opportunity. Please register on the NCWSS web site at the Annual Meeting link so we can be sure to have a seat and food (no charge) for you.

Sincerely,
Anita Dille, NCWSS Vice-President

Pre-Conference Student Tour of Winfield Solutions LLC Facilities – Dec. 1, 2014

Winfield Solutions LLC invites students attending the upcoming NCWSS annual meeting to participate in a tour of their Product Development and Spray Analysis facilities in River Falls, WI. Details on how to participate are included below. Greg Dahl with Winfield Solutions LLC and Rodrigo Werle are coordinating this activity. On Monday morning, December 1, buses will pick up the participants at the hotel lobby to begin the tour. The tour will return to the Hyatt Regency Monday afternoon in time for the evening activities.

If you are interested in participating in this event, please e-mail Rodrigo Werle (rwerleagro@gmail.com) and Jackie Mark (jmmark@landolakes.com) before **October 31** with the following information:

First and last name:

Institution name:

E-mail contact:

Some students may need to arrive on Sunday in order to participate in this activity. Hotel rooms for Sunday night would be the responsibility of the graduate students and/or their respective institutions. Your response is needed by **October 31** so that final arrangements can be made for this tour.

Necrology Information Request

We would like to honor in remembrance during the annual meeting members of the NCWSS who have passed away during the last year. Whether current members when passing or previous members of the society, please send name and obituary information to Kirk Howatt (kirk.howatt@ndsu.edu).

Thank you for your time and consideration for these individuals.

CAST Report Curtis Thompson

The Council for Agricultural Science and Technology (CAST) thanks all of you that have decided to be a member of CAST this year and we hope that you will continue. Those of you that are not members of CAST we would encourage you to visit the CAST website, URL <http://www.cast-science.org/> and check CAST out. Membership was discussed in the Spring Newsletter.

NCWSS board has agreed to help support two CAST papers in progress. The papers are titled: *'The Contributions of Pesticides to Pest Management in Meeting the Global Need for Food Production by 2050'* [Chair: Steven Weller, Purdue] and *'Recruiting and Educating Graduate Student to Become Researchers and Leaders in Global Agricultural Sciences.* [chair: Charles Rice, Kansas State University]. CAST appreciates our support for these papers. NCWSS members should watch for

their release.

The most recent paper published/released is titled 'Benefits of Controlling Nuisance Aquatic

Plants and Algae in the United States'. This is a free publication and can be downloaded from the CAST website, publications. CAST had a very successful launch of this paper and has received many good comments. We will have this papers available at the NCWSS annual meeting.

The objective of CAST is to communicate good science to the public and policy makers. As your representative, if you have ideas for proposals let's visit or drop me an email. The 3 work groups within CAST are the Plant Science, Animal Science, and Food Science. My time is devoted to the Plant Science work group.

My contact information: cthompso@ksu.edu, 785-532-3444



Graduate Students



**Join BASF at the Monday
Night Mixer.
Starting at 6:30 pm**

**Graduate Student
Quiz Bowl
7:00**

Have your team of 4 ready to compete.



**2014 NCWSS Weed Science Contest
Hosted by
DuPont Pioneer, Johnson, IA**



**Undergraduate Individual
Weed ID, left**

Devin Hammer—University of Illinois



**Graduate Individual Weed
ID, right**

Laura Chatham—University of Illinois

**Undergraduate Individual
Herbicide ID, left**

Zach Trower —University of Wisconsin



**Graduate Individual
Herbicide ID, right**

Tommy Butts— University of Wisconsin

**Undergraduate Individual
Written Calibration, left**

Jacob Nikodym —University of Nebraska



**Graduate Individual
Written Calibration, right**

Nick Harre— Purdue
Joey Heneghan—Purdue

2014 NCWSS Weed Contest



Undergraduate Individual Problem Solving
Marshall Hay—Kansas State University



Graduate Individual Problem Solving
Joey Heneghan—Purdue

Field Calibration Team



Undergraduate: Gatlin Buntun, Austin Straatman, Isai-



Graduate: Nick Harre, Joey Heneghan, Pratap Devkota,

Undergraduate Individual



First: Katrina Sudbeck—Kansas State University



Second: Zane Higgins—Western Illinois



Third: Nick Fleitz—Kentucky State University

Graduate Individual



First: Nick Harre—Purdue



Second: Tommy Butts—University of Wisconsin



Third: John Orlowski—Kentucky State University

2014 NCWSS Weed Contest

Undergraduate Team



First: Katrina Sudbeck, Marshall Hay, Zach Vincent and Alec Horton—Kansas State University



Second: Andrew Madden, Zach Trower, Katie Reiels and Erica Olson—University of Wisconsin



Third: Aaron Prins, Zane Higgins, Grant Dempsey and Matthew Layher—Western Illinois

Graduate Team



First: Nick Harre, Joey Heneghan, Doug Spaunhorst and Pratap Devkota—Purdue



Second: Tommy Buttz, David Marburger, Adam Gaspar and Rebecca Bailey—University of Wisconsin



Third: Josh Miller, Cody Creech, Debalin Sarangi and Rodrigo Werle—Nabraska State University



2014 NCWSS Weed Contest

Weed Contest Farmer problems

Undergrad 1 (plot 11)

Farmer plants soybeans on 4 consecutive days from June 1-4. Coop sprays Sharpen on all 4 fields on June 6.

Answer: first field was emerged at time of spray and showed injury. Some open furrows may have increased injury. Farmer should replant ASAP.

Undergrad 2 (plot 13)

Corn showing injury (dead heart). This was the last corn field planted. Farmer sprayed glyphosate post after spraying soybeans.

Answer: tank was contaminated with Select, following spraying glyphosate+Select on soybeans. Farmer can replant soybeans (if other products applied to corn allow).

Undergrad 3 (plot 14)

Soybeans showing bleach symptom on edge of field (next to neighbor's corn).

Answer: drift of Callisto onto the soybeans. Farmer should let the soybeans grow out of it and have conversation with neighbor regarding spraying in wind, etc.

Undergrad 4 (plot 18)

Corn planted late May. Farmer sprayed with Roundup at 22 oz/a. Field is 100 acres and 20 acres showed injury. Farmer sprayed Flexstar GT on soybeans prior to this.

Answer: first load showed injury due to Flexstar contamination. Corn should recover.

Undergrad run-off (plot 10)

Field in central Missouri not planted due to wet conditions. Date is July 1. Weeds very large.

Answer: mow large weeds, then burn down with herbicide. Tillage not allowed. Plant soybeans as soon as possible.

Grad 1 (plot 15)

Corn showing bleaching symptoms. Farmer was concerned about cutworms.

Answer: farmer sprayed Callisto + Lorsban, which is off label. Lorsban inhibits detoxification of mesotrione, causing injury. Corn should recover.

Grad 2 (plot 16)

Corn showing variable stand and growth. Prowl + atrazine applied preemergence.

Answer: corn planted too shallow. May have been compounded by Prowl damage to roots. Can't re-

plant corn due to Prowl. Can't replant soybeans due to atrazine. Let plot produce what it can. Recommend planter adjustments, etc next year.

Grad 3 (plot 17)

Bleaching symptoms on corn. Reflex applied last year. Balance applied about 10 days after planting. Answer: corn was emerged and Balance Pro cannot be used on emerged corn. Balance Flexx has the safener and can be used until V2. Corn will probably grow out of it.

Grad 4 (plot 9)

Location is in North Dakota. Flexstar GT applied at 3.5 pt/a on large weeds. Soybeans showing burn injury. Carryover concerns for 2015 because of high rate. Will weeds die?

Answer: monitor regrowth of weeds and retreat if necessary. Soybeans will outgrow the injury.

Grad runoff (plot 19)

Sorghum with large weeds. No pre herbicide applied. Location is Kansas.

Answer: Spray 2,4-D+atrazine ASAP. For next year (to be fallow), apply fall burndown if necessary and spring burndown in 2015. In future always spray pre on sorghum.



FARMER

STUDENT

JUDGE

... AND THAT IS HOW IT IS DONE!

People and Places

Dr. Erin Haramato

The University of Kentucky welcomes **Dr. Erin Haramato**. Her duties will include weed science research and teaching responsibilities. Erin recently completed her Ph.D. studies at Michigan State University under the direction of Dr. Dan Brainard.

Jill Schroeder Moves to USDA-Office of Pest Management Policy

After 27 years at New Mexico State University, Dr. Jill Schroeder, Distinguished Research Professor of Weed Science, has accepted a new position in the Office of Pest Management Policy-USDA/ARS, effective August 1, 2014. Her new contact information is: Jill.Schroeder@ars.usda.gov Office Phone: 202-720-0066 Mobile Phone: 202-815-0588. USDA/ARS/Office of Pest Management Policy, 1400 Independence Avenue, S.W., Room 3871-South Building (MS-0314), Washington, DC 20250-0314.