

AGRONOMY GLEANINGS

Department of Agronomy and Plant Genetics, University of Minnesota
411 Borlaug Hall, 1991 Upper Buford Circle, St. Paul, MN 55108-6026
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WEB <http://agronomy.cfans.umn.edu/>
January 14, 2011

ANNOUNCEMENTS

▶ **UPCOMING U of M HOLIDAYS. University offices will be closed.**

- > Martin Luther King Holiday, Monday, January 17, 2011
- > Floating Holiday, Friday, March 18

▶ **2011 SPRING SEMESTER** begins Tuesday, January 18, 2011.

▶ **RON PHILLIPS HONORED WITH AGRONOMY SOCIETY AWARD (11/9/2010)**

Regents professor emeritus Ron Phillips was honored at the recent Crop Science Society of America annual conference with its Presidential Award. The award is given to "persons who have influenced the science or practice of crop production so greatly that the impact of their efforts will be enduring on future science." Phillips retired in 2010 after 42 years in the Department of Agronomy and Plant Genetics and earned many other high honors during his career, including the Wolf Foundation Prize in Agriculture in 2007 and the Siehl Prize in 2010.

- CFANS News

▶ **BIRTH ANNOUNCEMENTS**

> **Jim Crants** (Junior Scientist on Gary Muehlbauer's project) and his wife, Ginny Zawistowski, are the proud parents of a baby boy, Robert Peter Crants, born Thanksgiving Day, November 25, weighing 7 lb 5 oz, 20 ½ inches long.

> **Jing Dai** (Postdoc with Jochum Wiersma, NWROC-Crookston) and her husband, Hengguang Li, wish to announce the arrival of their baby boy, Victor Yanlin Li, born December 6, measuring 6 lb 11 oz and 20 inches at birth.

▶ **LIVES REMEMBERED**

> **Luella M. Gunsolus** (Jeff Gunsolus' mother), age 90, passed away peacefully, surrounded by her family on Wednesday, December 22, 2010 at Skaalen Home in Stoughton, WI. Obituary:

<http://www.cressfuneralservice.com/a-life-remembered/4820/>

> **Dr. Donald V. McVey**, retired USDA-ARS Research Plant Pathologist, Cereal Disease Laboratory, St. Paul, passed away at home, surrounded by family on December 16, 2010. He was 88 years old. Obituary: <http://www.holcombhenryboom.com/index.cfm>

> **Clarence Richard Stade** (Sue Millers' father), age 82, passed away peacefully in his sleep after a battle with Lewy Body Disease on December 8, 2010, at The Lodge at Cypress Cove in Fort Myers, FL. Obituary:

► **MINNESOTA VARIETAL TRIALS RESULTS, JANUARY 2011**

On the Internet at: <http://www.maes.umn.edu>

► **THE CROPS TEAM AND ADVISOR VERN CARDWELL**

Five students, Justin Brown, Kirby Schmidt, Lukas Schrodt, Jacob Achen, and Charlie Tank, agronomy undergraduates, participated in the Intercollegiate Crops Contest in Kansas City and Chicago on November 16 and 20th, respectively. It is the first participation in the contests from the Department in 18 years. The team placed 6th out of 8 teams in Kansas City and 6th out of 7 teams in Chicago.

In addition to the competition, the students had tours of Kansas City area agri-businesses and visits to both KC and Chicago Boards of Trade where they were down on the floor during trading. En route, the students spent several hours at the Truman Presidential Library and Museum in Kansas City, The Arch and museum and Anheuser-Busch in St. Louis, Lincoln's home and tomb in Springfield, IL, and the Museum of Science and Industries in Chicago. They also visited the Willis Tower (Sears) and had their picture taken standing out on the Skydeck Ledge (photo in 411 Borlaug Hall).

The participation in the contests was in part funded by donations from MCI and WinField Solutions. The students noted in their thank you to the donors that, "Being involved in the crops team teaches one other skills like time management, self-motivation, and determination, like nothing else we have experienced. It has been a positive event in all of our lives and we hope that, with your support, it will continue to be for others in years to come."

► **THE CFANS SCHOLARSHIP APPLICATION AND INSTRUCTIONS FOR STUDENTS IS NOW AVAILABLE AT**

<http://www.cfans.umn.edu/UndergraduateStudents/CurrentStudents/Scholarships/CurrentStudents/AcademicYearScholarship/index.htm>. All eligible CFANS students are encouraged to apply. The final deadline for submitting the application is Tuesday, March 1 at 4:00 p.m. Application review will take place during March and April, and applicants will be notified of award decisions by the beginning of May.

► **NCR-SARE ANNOUNCES 2011 GRADUATE STUDENT GRANT CALL FOR PROPOSALS**

Now available online at <http://sare.org/ncrsare/cfp.htm>

Upcoming Event—June 15-17, 2011

► **FOOD SECURITY: THE INTERSECTION OF SUSTAINABILITY, SAFETY AND DEFENSE**

The College of Food, Agricultural and Natural Resource Sciences is pleased to host the 23rd annual National Agricultural Biotechnology Council Conference on June 15-17, Hilton Minneapolis/St. Paul Airport - Mall of America, Bloomington, MN. Cost: Early bird registration rate of \$350 (\$175 for students) is available until May 6, 2011. After this date, the registration fee is \$425 (\$210 students). More information at:

<https://events.umn.edu/Food-Security-The-Intersection-of-Sustainability-Safety-and-Defense-008767.htm>

SEMINARS

2011 Spring Semester
Begins Tuesday, January 18, 2011

Mondays

► **APPLIED PLANT SCIENCES (APS)**

3:30pm, 306 BorH, StP

Applied Plant Sciences seminars: <http://agronomy.cfans.umn.edu/>

Tuesdays

► **PBS COLLOQUIUM SEMINAR SERIES**

3:30pm, 335 Borlaug Hall

PBS seminars: <http://www.cbs.umn.edu/plantbio/events/index.shtml>

Tuesdays

► **MICROBIAL AND PLANT GENOMICS INSTITUTE—DISTINGUISHED SCIENTISTS LECTURESHIP SERIES**

3:30pm, 105 Cargill Building for Microbial and Plant Genomics

MPGI seminars: <http://www.mpgi.umn.edu/>

Wednesdays

► **WHAT'S UP IN SUSTAINABLE AGRICULTURE (WUSA)? & MINNESOTA INSTITUTE FOR SUSTAINABLE AGRICULTURE (MISA)**

12 Noon, 306 Borlaug Hall, St. Paul Campus

WUSA/MISA seminars: <http://www.misa.umn.edu>

Wednesday, February 2, 2011

► **INSTITUTE ON THE ENVIRONMENT—FRONTIERS IN THE ENVIRONMENT**

12:00-1:00pm, IONE Seminar Room, R380 VoTech Bldg, StP

“Bringing the New Green Economy to Scale,” Lois Quam, founder and Chair, Tysvar, LLC. The coming transition to the New Green Economy reflects the most significant economic change since the Industrial Revolution. What comprises the New Green Economy, and how will it come to live? The mechanisms of economic change and the ways momentum is created will be the subject of this talk. In addition, Quam will review the leadership skills important for the New Green Economy leaders who will bring this space to scale.

Institute on the Environment seminars:

http://www.environment.umn.edu/news_events/events/frontiers.html

Wednesdays

► **DEPARTMENT OF HORTICULTURAL SCIENCE**

3:30pm, Alderman Hall

Horticultural Science seminars:

<http://www.horticulture.umn.edu/News/Seminars/index.htm>

Wednesdays

► **BIOCHEMISTRY, MOLECULAR BIOLOGY & BIOPHYSICS**

4:00 pm, 2-137 Jackson Hall, Minneapolis Campus

BMBB Departmental seminars:

<http://www.cbs.umn.edu/BMBB/html/seminars.html>

Thursdays

► **BIOTECHNOLOGY INSTITUTE**

3:30pm, 239 Gortner Lab, StP

BioTech seminars: <http://www.bti.umn.edu/>

POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

► UNIVERSITY OF MINNESOTA-EXTENSION

Extension Educator-Crops (Soil-Water and Nutrient emphasis), Extension Food, Agricultural, and Natural Resource Sciences (EFANS), location to be determined. Application Review: January 15, 2011 until filled.

<https://employment.umn.edu/applicants/Central?quickFind=91191>

► ICARDA

Principal Scientist - Barley Breeder, Aleppo, Syria. PhD in plant breeding, genetics or related subject. Suitable candidates may register at website:

www.icarda.cgiar.org/iea/ Closing date: 10 January 2011

► KANSAS STATE UNIVERSITY

Research Assistant Professor, Agroecosystems Modeler, Department of Agronomy, Manhattan, KS. PhD in plant, soil, or biological sciences, geography or closely related areas with emphasis in ecological systems modeling. Position: W0007479. Screening begins: December 20, 2010 until filled. <http://www.agronomy.k-state.edu/>

► KANSAS STATE UNIVERSITY

Assistant Professor & Extension Specialist, Environmental Quality (Air, Soil, Water), Department of Agronomy, Manhattan, KS. PhD in soil science, water science or closely related discipline with emphasis in environmental quality (air, soil, and water quality). Position: W0007351. Screening begins: February 10, 2011 until filled.

<http://www.agronomy.k-state.edu/>

► KANSAS STATE UNIVERSITY

Assistant Professor, Weed Physiology, Department of Agronomy, Manhattan, KS. PhD in agronomy, crop science or closely related discipline with weed science emphasis. Position: W0017095. Screening begins: February 11, 2011 until filled.

<http://www.agronomy.k-state.edu/>

► UNIVERSITY OF CALIFORNIA – RIVERSIDE

Postdoctoral position, Cowpea Modern Breeding and Genetics, including applying quantitative genetics and modern breeding methodologies to improve cowpea, with a secondary focus on genetic and physical mapping of traits determining resistance/tolerance to a range of biotic and abiotic stresses of cowpea and other agronomic traits. To apply, please email a statement of interest, current CV and names and email contacts of three referees to jeff.ehlers@ucr.edu.

► UNIVERSITY OF NEBRASKA – LINCOLN

Extension Educator, Horticulture. Master's degree in Horticulture or closely related field. Review of applications begins: January 4, 2011 until filled. Requisition # 100800: <http://employment.unl.edu>.

▶ **ADVANCED CROP MANAGEMENT – ALGONA, IA**

Interns. Students interested in work next spring and beyond. Students will interact with local agronomists and farmers in the field. Students from UMN St. Paul would primarily work with agronomists and locations in southeastern Minnesota—an area that spans from St. Paul down the I-35 corridor to the Iowa border, and east to the Mississippi River. A company representative is willing to present and introduce Advanced Crop Management employment opportunities to agronomy students @ UMN in the area of 'precision farming', gps practices, the benefits/purpose of soil testing for variable rate fertilizer application, and soil nutrient management. <http://www.advcrop.com>

▶ **SYNGENTA**

Marketing Research Agronomist, Site Leader, Pekin, IL. PhD and/or MS in Agronomy/related field or BS in Agronomy with minimum of 5 years experience with direct involvement in agronomy research and data analysis. Job ID: 34F6E433-E0B5-4C97-9763-679763C905DE
<http://jobs.syngenta.com>

▶ **KANSAS STATE UNIVERSITY – MANHATTAN**

Assistant Professor, Environmental Engineering, Department of Civil Engineering. BS and PhD degrees in Civil Engineering or related fields and expertise in the application of biological process in environmental engineering. Closing date: February 28, 2011 until filled.
<http://www.ce.ksu.edu/>

▶ **USDA NATIONAL INSTITUTE OF FOOD AND AGRICULTURE (NIFA)**

Four (4) Principal Scientist positions, Washington, DC: (1) Institute of Food Production and Sustainability; (2) Institute of Food Safety and Nutrition; (3) Institute of Youth, Family and Community; (4) Institute of Bioenergy, Climate and Environment. BS required; advanced degree preferred. Details: <http://www.idgsearch.com>

▶ **NATIONAL IMMIGRANT FARMING INITIATIVE (NIFA)**

Project Associate to work with Executive Director, Washington, DC. Master's Degree and/or bachelor's degree and 3-5 years professional experience directly related to the position responsibilities
<http://www.mnfoodassociation.org>



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ANNOUNCEMENTS

► LIVES REMEMBERED

< **With Heartfelt Sympathy.** Don Ralston's wife, Bonnie, passed away January 3, 2011. Bonnie's Memorial Service was Wednesday, January 5, at the Mueller Bies Funeral Home, Roseville, MN.

< **Sad News.** We have just learned that **Reuven Jacobsohn** died in late December 2010. "Reuven" was known as "Ruben" while he was a graduate student with Bob Andersen. He received his PhD in 1970. He returned to Israel where he was engaged in weed research his entire career. Reuven and his wife, Tamar, had visited the Department with Dr. Andersen in October.

► 2011 PIONEER PLANT BREEDING SYMPOSIUM

The graduate students from the University of Minnesota Applied Plant Sciences program would like to extend an invitation to the 2011 Pioneer Plant Breeding Symposium. This year's theme, "Beyond Yield: Plant Breeding for Biofuels, Consumer Preferences, and Quality Traits" will feature plant breeders from around the country. The event sponsored by Pioneer Hi-Bred, International will be held on Monday, March 14th from 8:00 am to 5:00 pm at the Continuing Education and Conference Center located on the University of Minnesota St. Paul campus. For more information and to register for this free event, please visit the symposium website at

<http://www.appliedplantsciences.umn.edu/Events/GraduateSymposium/index.htm>. Or contact us if you have any questions about the event: Cristal Cisneros (Co-chair) cisne018@umn.edu or Chris Schaeffer (Co-chair) schae317@umn.edu. We look forward to seeing you March 14th!

► FACILITIES MANAGEMENT REUSE PROGRAM

The ReUse Program is here to make sure that University assets no longer needed in one place find a home elsewhere and benefit the University as a whole. If you have capital equipment that you no longer need, you must first request disposal of the property through Inventory Services. You may download the appropriate form from the [University of Minnesota policy library](#). After approval, the asset tag should be removed. From there, the item may be transferred to the ReUse Program. ReUse route drivers will pick up at the Borlaug Hall loading dock on Fridays for Soils, Hayes, Stakman, and Borlaug. Items for ReUse must be at the pickup location by 8:00 a.m., Friday, and must be clearly marked. One way to clearly mark your item is with this convenient form: <http://www1.umn.edu/reuse/ReuseForm.pdf>. **Note: The Soil Science loading dock is a drop-off location for the [Recycling Program](#) and the Borlaug loading dock is a drop-off location for the [ReUse Program](#).**

► OFFICE OF INFORMATION TECHNOLOGY (OIT) TECHNOLOGY FAIR

Thursday, February 17, 10am-1pm, Mississippi Room, third floor, Coffman Memorial Union. No registration required. OIT website: <http://www.oit.umn.edu/index.php>

► **FRESHWATER SOCIETY**

Thursday, February 24, 7 p.m., St. Paul Student Center

"TAKING THE POLLUTION OUT OF AGRICULTURAL PRODUCTION," part of the Moos Family Speaker Series on Water Quality, will be delivered by Craig Cox, vice president of the Environmental Working Group and a longtime advocate for soil and water conservation. Sponsored by the Freshwater Society and the College of Biological Sciences. Free and open to the public, but seating is limited and registration is required. For more information, see Freshwater website:

<http://www.freshwater.org/index.php/programs/whats-new/422-a-free-lecture-taking-the-pollution-out-of-agricultural-production>.

► **PHILIP C HAMM MEMORIAL SCHOLARSHIP PROGRAMS**

Scholarships for Undergraduate and Graduate Students in Plant Sciences and Related Disciplines.

Sponsored by the College of Food, Agricultural and Natural Resource Sciences, with funding from Philip C Hamm Memorial Scholarship provided by Monsanto Agricultural Company. Applications and questions related to this award should be directed to Nancy Jo Ehlke, Chair, Hamm Memorial Selection Committee (nancy@umn.edu, 612-625-1791). Deadline for receipt of complete applications: February 25, 2011.

► **10TH ANNUAL CLASSES WITHOUT QUIZZES** – Saturday, April 2, 2011, St. Paul Campus.

► **PHILIP C HAMM MEMORIAL LECTURE** - Wednesday, April 13, 2011

Upcoming Event—June 15-17, 2011

► **FOOD SECURITY: THE INTERSECTION OF SUSTAINABILITY, SAFETY AND DEFENSE**

The College of Food, Agricultural and Natural Resource Sciences is pleased to host the 23rd annual National Agricultural Biotechnology Council Conference on June 15-17, Hilton Minneapolis/St. Paul Airport - Mall of America, Bloomington, MN. Cost: Early bird registration rate of \$350 (\$175 for students) is available until May 6, 2011. After this date, the registration fee is \$425 (\$210 students). More information at:

<https://events.umn.edu/Food-Security-The-Intersection-of-Sustainability-Safety-and-Defense-008767.htm>

► **RENTAL TOWNHOUSE IN EDINA**

Two-level townhouse conveniently located in the heart of Edina: 1,084 sq ft, 2 bedrooms, 2 bathrooms. Quiet community with swimming pool. Monthly rent: \$1,150, includes water, garbage, heat, and cable TV. For additional information, please call 612-703-7980.

SEMINARS

2011 Spring Semester

Monday, February 14

► **APPLIED PLANT SCIENCES (APS)**

3:30pm, 306 Borlaug Hall, St. Paul Campus

Theme: "The Landscape and Human Health Connection"

Dr. Vern Cardwell, Professor, Dept of Agronomy and Plant Genetics

"Role of Agronomy in the Age of Bio-technology"

Applied Plant Sciences seminars: <http://agronomy.cfans.umn.edu/>

Tuesday, February 15

► **PBS COLLOQUIUM SEMINAR SERIES**

3:30pm, 335 Borlaug Hall

Dr. Federica Brandizzi, Michigan State University, MSU-DOE Plant Research Laboratory

"Integrity of the Organelles of the Plant Secretory Pathway"

PBS seminars: <http://www.cbs.umn.edu/plantbio/events/Spring.shtml>

Wednesday, February 16

► **INSTITUTE ON THE ENVIRONMENT—FRONTIERS IN THE ENVIRONMENT**

Wednesdays, 12-1pm, IONE Seminar Room, R380 VoTech Bldg, StP

“Oil: Can’t America Just Get Over It?”

Michael Noble, Executive Director, Fresh Energy

Institute on the Environment seminars:

http://www.environment.umn.edu/news_events/events/frontiers.html

Wednesday, February 16

► **DEPARTMENT OF HORTICULTURAL SCIENCE**

Wednesdays, 3:30pm, Alderman Hall

Jerry Cohen, Professor, University of Minnesota

"Regulation of Plant Hormone Response and Metabolism"

Horticultural Science seminars:

<http://www.horticulture.umn.edu/News/Seminars/index.htm>

Wednesdays

► **BIOCHEMISTRY, MOLECULAR BIOLOGY & BIOPHYSICS**

4:00 pm, 2-137 Jackson Hall, Minneapolis Campus

BMBB Departmental seminars: <http://www.cbs.umn.edu/BMBB/seminars.html>

Thursday, February 17, 9:00am, 306 Borlaug Hall, St. Paul Campus

► **RESEARCH SEMINAR - CROPPING SYSTEMS AGRONOMIST CANDIDATE**

Southwest Research and Outreach Center, Lamberton, Minn.

Dr Nicholas J Goeser, Research Assistant, Department of Horticulture, University of Wisconsin-Madison

“In-situ Nitrogen Mineralization, Dynamics, and Crop Uptake Within Organic Vegetable Cropping Systems”

Thursdays

► **BIOTECHNOLOGY INSTITUTE**

Thursdays, 3:30pm, 239 Gortner Lab, StP

BioTech seminars: <http://www.bti.umn.edu/>

Friday, February 18, 9:00 a.m., 306 Borlaug Hall

► **APPLIED PLANT SCIENCES, M.S. THESIS DEFENSE SEMINAR**

“Agronomic Responses of Corn to Planting Date, Row Width, and Plant Density”

Ryan Van Roekel, Department of Agronomy and Plant Genetics

Advisor: Jeff Coulter

POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

THE UNIVERSITY OF WISCONSIN-MADISON

Faculty positions in Population, Quantitative, Computational, and/or Evolutionary Genetics, College of Agricultural and Life Sciences, University of Wisconsin-Madison. Earned doctorate. Closing date: March 31, 2011.

Evolution Institute website: <http://www.evolution.wisc.edu>;

Agronomy website: <http://agronomy.wisc.edu>;

Animal Sciences website: <http://www.ansci.wisc.edu>;

Entomology website: <http://www.entomology.wisc.edu>;

Genetics website: <http://www.genetics.wisc.edu>

KANSAS STATE UNIVERSITY

Assistant Scientist in Weed Science, Agricultural Research Center-Hays, Hays, Kansas. Preferred: Advanced degree in a pest management discipline with knowledge of crop protection and herbicide mode of action and use. Deadline: February 18, 2011, until filled. Western Kansas Agricultural Research Centers website: <http://www.wkarc.org/DesktopDefault.aspx?tabid-86>

SYNGENTA

Weed Control Biologist, Jealott's Hill, Bracknell, Berkshire, UK. PhD, plus considerable experience of weed biology, agronomy and control practices. To apply, please go to <http://www.syngenta.com> and navigate to current vacancies via the career page. Closing date: March 28, 2011.



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March 11, 2011

ANNOUNCEMENTS

▶ **U OF M SPRING BREAK** – March 14-18, 2011

▶ **FLOATING HOLIDAY** – Friday, March 18. University offices will be closed.

▶ **SYNGENTA DEPARTMENTAL COFFEE** – Wed, March 23, 9:30 am, 306 Borlaug Hall
Remember to bring your coffee mug! ~ Hosted by Clean Energy Resource Teams ([CERTs](#))

▶ **SINCERE CONDOLENCES**

Joyce A. Troyer, wife of A. Forrest Troyer, of De Kalb, IL, died Saturday, March 5. Her funeral service will be held in Fairmount, IN, Saturday, March 12. Obituary for Joyce A Troyer:
<http://www.armeshunfuneralhome.com/>.

▶ **UNIVERSITY INNOVATIONS EVENT CELEBRATES INVENTORS**

Jim Anderson, Robert Busch, Gary Linkert, Jochum Wiersma, Alex Kahler, Jim Orf, and Ronald Phillips, were among the researchers recognized for being awarded a patent or had their technology licensed during the past 2 years and were honored at the University Innovations event on Thurs., February 10, at the McNamara Alumni Center. The award ceremony was hosted by the Office of the Vice President for Research and recognized a total of 161 inventors, representing 10 colleges, whose efforts generated 106 patents and 84 licenses in fiscal years 2009-2010. For more information:
<http://researchnews.umn.wordpress.com/2011/02/10/university-innovations-event-celebrates-inventors/>

Monday, March 14

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Wednesday, March 30

► **KERMIT OLSON SCHOLARSHIP CEREMONY AND LECTURE**

Featuring Dr. Marla Spivak, U of M Entomologist and MacArthur “Genius Grant” Award Winner, “Socialized Medicine in Bees,” 4:00PM, Continuing Education & Conference Center, Room 135, 1890 Buford Avenue, St. Paul campus. A light reception will follow in the lobby. Please help us to plan by filling out this online [RSVP](#). The event is free and open to the public. Information online at <http://z.umn.edu/kermitolson>.

► **10TH ANNUAL CLASSES WITHOUT QUIZZES**

Saturday, April 2, 2011

8:00 am - 12:30 pm - Register & Program

12:30 pm - 1:30 pm - Optional Lunch

[McNeal Hall](#), St. Paul Campus

Registration & Program: <http://www.cfans.umn.edu/AlumniFriends/Events/CWQ/>

► **PHILIP C HAMM MEMORIAL LECTURE/AWARD PRESENTATION**

Wednesday, April 13, 2011, [110 Green Hall](#), St. Paul campus

3:00pm Award

3:30pm Lecture

Reception following lecture

► **9th ANNUAL LARSON-ALLMARAS LECTURE ON EMERGING ISSUES IN SOIL AND WATER**

Wednesday, 13th April 2011, 2:00-4:30 PM, 335 Borlaug Hall, University of Minnesota, St. Paul campus.

Lecture Theme: “Big Challenges Surrounding the Tiny: The Potential Environmental Consequences of Nanotechnology Revolution.” Featured Speaker: Dr. Paul Bertsch, Professor, Environmental Chemistry and Toxicology Department of Plant and Soil Sciences, University of Kentucky, Lexington, Kentucky.

Details: [Emerging Issues in Soil & Water Lecture 2011.pdf](#).

► **UNIVERSITY OF MINNESOTA BIOCATALYSIS INITIATIVE—SYNTHETIC ECOLOGY SYMPOSIUM**

Wednesday, April 20, 2011 | 8am-1:30pm | McNamara Alumni Center

The Synthetic Ecology Symposium will explore development and use of self-organizing, interactive, multiple, microbial and multimolecular partners for tailored biocatalytic processes across multiple scales. Applications include the microbial production of biofuels, synthons for green technologies, and bioremediation systems. Details: <http://www.bti.umn.edu/>.

Hold the Date—Wednesday, May 25, 2011

► **HAYES & PHILLIPS MEMORIAL LECTURE/AWARD PRESENTATION**

Watch for details.

Upcoming Event—June 15-17, 2011

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<https://events.umn.edu/Food-Security-The-Intersection-of-Sustainability-Safety-and-Defense-008767.htm>

Mark your Calendars—Tuesday, September 27, 2011

► **BMBB SYMPOSIUM**

Announcing the 20th Annual University of Minnesota Symposium in Developmental Biology, “The Ties that Bind: Cell Junctions and Adhesion in Development,” Tuesday, September 27, 2011, Coffman Memorial Union, Minneapolis Campus. Website for information on registration and program updates: <http://www.dbc.umn.edu>.

► **SUMMER JOB WANTED:** Leah Roth worked on the Oat Project the past two years, and is interested in working for the University again this summer. She lives in St. Paul and is finishing her freshman year at St. Olaf, majoring in Physics and Math. Contact information: Cell: 651 261 8342; Email: rothl@stolaf.edu.

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Institute on the Environment seminars:

http://www.environment.umn.edu/news_events/events/frontiers.html

2nd and 4th Wednesdays, 3:00 pm, 375 Borlaug Hall

► **SOIL, WATER, AND CLIMATE SEMINARS**

SWC seminars:

http://www.swac.umn.edu/prod/groups/cfans/@pub/@cfans/@swac/documents/asset/cfans_asset_305277.pdf

Wednesday, March 16

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Wednesday, March 16

► **BIOCHEMISTRY, MOLECULAR BIOLOGY & BIOPHYSICS**

4:00 pm, 2-137 Jackson Hall, Minneapolis Campus

“How cofilin severs an actin filament: Insights from biochemistry and mechanics”

Dr. Enrique De La Cruz, Yale University, New Haven, CT

BMBB Departmental seminars: <http://www.cbs.umn.edu/BMBB/seminars.html>

Thursdays

► **BIOTECHNOLOGY INSTITUTE**

Thursdays, 3:30pm, 239 Gortner Lab, StP

BioTech seminars: <http://www.bti.umn.edu/>

Thursday, March 31

► **SPECIAL SEMINAR – THE CENTER FOR AUSTRIAN STUDIES**

2:30 p.m., 306 Borlaug Hall, St. Paul Campus

“As Time Goes By: The Role of Time in the Organic Agro-Food Chain”

Bernhard Freyer, 2010-11 School of Agriculture Endowed Chair in Agricultural Systems, CFANS

Co-sponsored with Agronomy and Plant Genetics, CFANS, and the Institute for Global Studies

POSITION ANNOUNCEMENT

(Posted in notebook in 411 Borlaug Hall)

AgRELIANT GENETICS

Research Associate, Morris, MN. B.S. degree in agronomy. Details: [Morris RA position-1.pdf](#)

Agronomy Gleanings: May 6, 2011

Department of Agronomy and Plant Genetics, University of Minnesota
411 Borlaug Hall, 1991 Upper Buford Circle, St. Paul, MN 55108-6026
PHONE (612) 625-7773; FAX (612) 625-1268; E-MAIL: agro@umn.edu
WEB: <http://agronomy.cfans.umn.edu/>
May 6, 2011

ANNOUNCEMENTS

► MAY SYNGENTA DEPARTMENTAL COFFEE

Tuesday, May 17, 9:30 am, Room 140 Plant Growth Facility
Hosted by Plant Growth & Field Plot Managers
Remember to bring your coffee mug!

► 1st ANNUAL HAYES AND PHILLIPS LECTURESHIP & GRADUATE STUDENT AWARD

Wednesday, May 25, 2011

Location: Cargill Building | Microbial and Plant Genomics Institute | St. Paul Campus

2:30 pm | Reception | Cargill Atrium

3:00 pm | Graduate Student Award | Recipient: Jon Massman

3:30 pm | Lecture | “Enterprise Application of Science to Plant Improvement”

Lecturer: Dr. Theodore M. Crosbie, PhD

Vice President, Advanced Farming Systems

Monsanto Company, Ankeny, Iowa, USA

Sponsored by: The Department of Agronomy and Plant Genetics

Website: <http://agronomy.cfans.umn.edu/>

[Hayes and Phillips Lectureship Fund](#)

► FIELD SCHOOL FOR AG PROFESSIONALS—INSTITUTE FOR AG PROFESSIONALS

Wednesday, July 27th & Thursday, July 28th, 2011 — Waseca, MN

University of Minnesota Research and Outreach Center

Description: A hands-on, in-field program emphasizing crop and pest management diagnostic skill building in field crops. Questions can be directed to David Nicolai, IAP Program

Coordinator, nico0071@umn.edu or 612-625-2778. Website:

<http://www.extension.umn.edu/AgProfessionals/fieldschool.html>

► WCCO GOOD NEIGHBOR.

Howard Rines was the April 13th WCCO Good Neighbor . . . focusing on his volunteer efforts with the local food shelf. Congratulations, Howard! Great contribution to the community!

Kiwanis Club website: <http://www.goldenkayer.org/>.

► PHILIP C. HAMM MEMORIAL SCHOLARSHIP PROGRAM

Esther McGinnis, APS student advised by Mary Meyer and Alan Smith, Horticultural Science,

was selected as graduate student recipient of the Hamm Scholarship. The Hamm Lecture was held April 13. Congratulations, Esther!

► **CONGRATULATIONS** to Emily Combs who was elected President of COGS (Council of Graduate Students) starting July 1, 2011.

Thursday, May 26, 3:30 pm Ceremony, 4:30 pm Reception, McNamara Alumni Center

► **2011 SIEHL PRIZE LAUREATES WILL BE HONORED AT A CEREMONY ON THURSDAY, MAY 26th**

Wally Nelson is one of three recipients of this year's prestigious Siehl Prize in Agriculture. The prize is awarded annually by the University of Minnesota's College of Food, Agricultural and Natural Resource Sciences. Recipients are chosen for three categories: knowledge (teaching, research and outreach); production agriculture; and agribusiness.

Wallace "Wally" Nelson (knowledge): The original superintendent at what's now the Southwest Minnesota Research and Outreach Center near Lamberton was a tireless advocate for putting agricultural research to work for farmers. He led the research center for nearly 40 years, contributing to important breakthroughs in corn management, hail damage, soils and drainage. RSVP for the Siehl Prize Ceremony: http://www.cfans.umn.edu/siehlprize/ceremony_rsvp.html. For further information, please call 612-624-0822 or email klings175@umn.edu.

► **DON & BEV WYSE'S GRANDSON, HAYDEN PESTER, IS A WHIZ KID!**



O'Fallon Patch features local kids doing great things.

By Jordan Lanham | March 29, 2011

Whiz Kid: Hayden Pester

School: Ostmann Elementary

Nominated By: Julie Lankston

Accomplishments: Hayden placed in the top nine for the Picture the Music Contest presented by the St. Louis Symphony. He also placed first out of 1,300 entries in the entire fifth grade category.

Key to Awesomeness: Art teacher Julie Lankston says, "Hayden came in on his own time during school and worked on several ideas and techniques until he cautiously settled for his weaving that he named 'Treble Cleft Palette.'" <http://ofallon.patch.com/articles/hayden-pester-is-a-whiz-kid>

► **IT'S A BOY!** Kate Seager and Andy Fuller had a healthy baby boy, Tuesday morning, April 12. His name is Lucas Newman Fuller and he was 7lbs 5oz. Kate says he looks just like his 3-

year old brother, Wes, but with a full head of dark hair!

► **PARKING CONTRACT AVAILABLE FOR SUBLET**

Kate has a parking contract for the lot in front of Borlaug Hall available for sublet from April 11th-July 9th. Please contact Kate, kseager@umn.edu if you are interested.

► **GREETINGS FROM DALE AND CLAUDIA HICKS**

Agronomy friends are invited to stop and visit in the hills of the Ozarks. Our address in Missouri is RR 3, Box 100, Ava, MO 65608. We are located 40 miles SE of Springfield and 40 miles NE of Branson. We will continue to get emails at hicks004@umn.edu. ~ Dale and Claudia

► **PILJU KIM JOO, NORTH KOREA—CHOSEN AS ONE OF 150 MOST**

INFLUENTIAL WOMEN IN THE WORLD. – Newsweek and The Daily Beast honored 150 extraordinary women at the Women of the World Summit, March 10-12, 2011, New York City. They are heads of state and heads of households, angry protesters in the city square and sly iconoclasts in remote villages. With a fiery new energy, women are building schools, starting businesses, fighting corruption, harnessing new technologies and breaking down old prejudices. Whenever a woman or girl gains control of her destiny, the local standard of living goes up and the values of human rights spread. So this year, and every year, Newsweek and The Daily Beast honor local heroes, and the growing network of powerful women who support their efforts. Read more about the Women in the World Conference: [The Daily Beast](#)

► **MINNESOTA LANDSCAPE ARBORETUM**

Celebrate spring with free Arboretum admission, Chanhassen, MN. As a CFANS faculty or staff member, you are eligible for free admission to the Arboretum year-round. You must present your official U Card and CFANS business card to the gatehouse attendant. Landscape Arboretum website: <http://www.arboretum.umn.edu/>

► **CAMPUS MAIL DELIVERY CODE CHANGES**

Standard 4-digit campus mail delivery codes will soon have an extra letter. The University of Human Resources Management System (HRMS), in concert with Addressing & Mailing Services, has created new "extended" campus mail codes that will add a letter to the end of the current 4-digit mail code. The extra letter will help identify the specific University unit to which the mail is directed. HRMS hopes to complete the project by the end of April, and new codes should be searchable in the University directory at that time. Addressing and Mailing Services website: <http://addrmail.umn.edu>

► **CORNERCOPIA FARM BLOG**—Official blog of the University of Minnesota student organic farm:

<http://cornercopiafarm.blogspot.com/>

Upcoming Event—June 15-17, 2011

► **FOOD SECURITY: THE INTERSECTION OF SUSTAINABILITY, SAFETY AND DEFENSE**

The College of Food, Agricultural and Natural Resource Sciences is pleased to host the 23rd annual National Agricultural Biotechnology Council Conference on June 15-17, 2011, Hilton

Minneapolis/St. Paul Airport - Mall of America, Bloomington, MN. Cost: Early bird registration rate of \$350 (\$175 for students) is available until May 6, 2011. After this date, the registration fee is \$425 (\$210 students). More information at:

<http://www.nabc23.umn.edu/>

Mark your Calendars—Tuesday, September 27, 2011

► **BMBB SYMPOSIUM**

Announcing the 20th Annual University of Minnesota Symposium in Developmental Biology, “The Ties that Bind: Cell Junctions and Adhesion in Development,” Tuesday, September 27, 2011, Coffman Memorial Union, Minneapolis Campus. Website for information on registration and program updates: <http://www.dbc.umn.edu>.

SEMINARS

2011 Spring Semester

Mondays

► **APPLIED PLANT SCIENCES (APS)**

3:30pm, 306 Borlaug Hall, St. Paul Campus

Theme: “The Landscape and Human Health Connection”

Applied Plant Sciences seminars: <http://agronomy.cfans.umn.edu/>

Tuesdays

► **PBS COLLOQUIUM SEMINAR SERIES**

3:30pm, 335 Borlaug Hall

PBS seminars: <http://www.cbs.umn.edu/plantbio/events/Spring.shtml>

Wednesdays

► **INSTITUTE ON THE ENVIRONMENT—FRONTIERS IN THE ENVIRONMENT**

Wednesdays, 12-1pm, IONE Seminar Room, R380 VoTech Bldg, StP

Institute on the Environment seminars:

http://www.environment.umn.edu/news_events/events/frontiers.html

2nd and 4th Wednesdays, 3:00 pm, 375 Borlaug Hall

► **SOIL, WATER, AND CLIMATE SEMINARS**

SWC seminars: http://www.swac.umn.edu/prod/groups/cfans/@pub/@cfans/@swac/documents/asset/cfans_asset_305277.pdf

Wednesdays

► **DEPARTMENT OF HORTICULTURAL SCIENCE**

Wednesdays, 3:30pm, Alderman Hall

Horticultural Science seminars:

<http://www.horticulture.umn.edu/News/Seminars/index.htm>

Wednesdays

► **BIOCHEMISTRY, MOLECULAR BIOLOGY & BIOPHYSICS**

4:00 pm, 2-137 Jackson Hall, Minneapolis Campus

BMBB Departmental seminars: <http://www.cbs.umn.edu/BMBB/seminars.html>

Thursdays

► **BIOTECHNOLOGY INSTITUTE**

Thursdays, 3:30pm, 239 Gortner Lab, StP

BioTech seminars: <http://www.bti.umn.edu/>

POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

MINNESOTA WATERS

Experienced Executive Director with a proven track record in effective fundraising, strategic communications, understanding and influencing public policy, as well as developing and managing programs which pursue Minnesota Waters' mission and expand our statewide presence. Minimum qualifications include a Bachelor's Degree and 3 – 5 years demonstrated experience as a leader. Please send resume and a cover letter via email to

info@minnesotawaters.org. Applications must be received by 5 pm Friday, May 6, 2011.

Interviews will be held the week of May 16-20 at the office in St. Cloud. The full job description can be found at <http://www.minnesotawaters.com>.

KANSAS STATE UNIVERSITY

Research Assistant Professor, Agroecosystems Modeler, Department of Agronomy, Manhattan, KS. PhD in plant, soil or biological sciences, geography or closely related areas with emphasis in ecological systems modeling. Position W0007479. Deadline: May 13, 2011.

KANSAS STATE UNIVERSITY

Research Assistant, Soil Testing/Soil Fertility, Department of Agronomy, Soil Testing Lab, Manhattan, KS. MS degree in Agronomy, Soil Science or related discipline with experience in soil fertility/crop production research or extension. Position W0017096. Deadline: May 1, 2011.

BIOMEDICAL GENOMICS CENTER, U OF M

Student positions available on St. Paul Campus. Apply online at <http://www.umn.edu/ohr> for job requisition number 170774 and include available days and hours. Experience in a laboratory environment. Major in science with interest in molecular biology, genetics or related field.

JOHN DEERE

Agronomic Solution Specialists, Agricultural and Turf Division of John Deere, Moline, IL.

Apply online at <http://www.JohnDeere.jobs>. Job Number: 50400333.

NORTH DAKOTA STATE UNIVERSITY

Research Agronomist, Carrington Research Extension Center, Carrington, ND. NDSU website:

<https://jobs.ndsu.edu/postings/336>

CARGILL

Farm Marketer Trainee, AgHorizons business unit, Maynard, MN. Bachelor's degree received by summer 2011. Apply online at <http://www.cargill.com/careers> and reference number MAY00046.

UNIVERSITY OF NEBRASKA

Founding Executive Director, Water for Food Institute (WFI), Lincoln, Nebraska. For additional information, please consult the University of Nebraska's website at <http://www.nebraska.edu> and the Institute's website at <http://waterforfood.nebraska.edu>. 10901/

MILL CITY FARMERS MARKET

Two part-time seasonal positions for Market Day Staff: Kitchen and Info Booth. Mill City Farmers Market website: <http://www.millcityfarmersmarket.org>.

Agronomy Gleanings: June 23, 2011

Department of Agronomy and Plant Genetics, University of Minnesota
411 Borlaug Hall, 1991 Upper Buford Circle, St. Paul, MN 55108-6026
PHONE (612) 625-7773; FAX (612) 625-1268; E-MAIL: agro@umn.edu
WEB: <http://agronomy.cfans.umn.edu/>
July 25, 2011

ANNOUNCEMENTS

► **GRANDPARENTS AGAIN!** Barb and Keith Henjum are grandparents for the 6th time! Their youngest son, Brian, and his wife, Megan, are proud parents of a baby girl, Kaylan, who weighed in at 7 lbs, 2 oz and measured almost 20". Megan gave birth at 3:22 am Mother's Day morning – the perfect Mother's Day gift. All are doing well.

► **Professor HERBERT W. JOHNSON, PhD, former Head (1964-84) in the Department of Agronomy and Plant Genetics, passed away Sunday, May 22, 2011, in Sun City, AZ.**

Dr. Johnson was born July 3, 1920, in Boliver, Tennessee. He passed away at the age of 90 on Sunday, May 22, 2011, in Sun City, AZ, due to complications from congestive heart failure.

Dr. Johnson received his BS degree from the University of Tennessee in 1942 and his MS (1948) and PhD (1950) degrees in Plant Breeding from the University of Nebraska. He was a Research Agronomist, ARS, USDA, Raleigh, NC, 1948-53; Research Agronomist and Leader, Soybean Investigations, ARS, USDA, Beltsville, MD, 1953-64; and Head in the Department of Agronomy and Plant Genetics, University of Minnesota, 1964-84.

After retiring and moving to Sun City, AZ, in 1987, Dr. Johnson and Lois enjoyed the Arizona sunshine and getting in a lot of time on the golf course. Dr. Johnson was preceded in death by his wife, Lois, and is survived by their three children: Steve, Jeff, and Susan.

► **WC ROC SUMMER CENTER DAY**

Friday, July 8, 2011 | West Central Research and Outreach Center | Morris, MN

► **NW ROC CROPS AND SOILS DAY**

Thursday, July 21 | 8:30 a.m. | Northwest Research and Outreach Center | Crookston, MN

► **FIELD SCHOOL FOR AG PROFESSIONALS—INSTITUTE FOR AG PROFESSIONALS**

Wednesday, July 27 & Thursday, July 28, 2011 — Waseca, MN

University of Minnesota Research and Outreach Center

Description: A hands-on, in-field program emphasizing crop and pest management diagnostic skill building in field crops. Questions can be directed to David Nicolai, IAP Program Coordinator, nico0071@umn.edu or 612-625-2778.

► **WC ROC HORTICULTURE NIGHT**

Thursday, July 28, 2011 | West Central Research and Outreach Center | Morris, MN

► [FARMFEST](#)

Farmfest 2011 | August 2-4 | Gilfillan Estate | Redwood County, MN

► [UMORE PARK OPEN HOUSE](#)

Thursday, August 18 | 4:00 p.m. - 8:00 p.m. | UMore Park | Rosemount, MN

► [CANADIAN PLANT GENOMICS WORKSHOP](#)

August 22-25, 2011 | Niagara Falls, Ontario, Canada | Keynote speaker: Dr. Richard Flavell, Chief Scientific Officer, Ceres Inc., Thousand Oaks, CA

► [NC ROC HORTICULTURE DAY](#)

Wednesday, August 31, 2011 | North Central Research and Outreach Center | Grand Rapids, MN

► [CELEBRATE U! EMPLOYEE APPRECIATION EVENT](#)

Staff and Faculty | Wednesday, August 24 | 11 AM -2 PM | Northrup Plaza and Lawnspace | Minneapolis Campus

► [BMBB SYMPOSIUM](#)

Tuesday, September 27, 2011—Mark your Calendars

Announcing the 20th Annual University of Minnesota Symposium in Developmental Biology, “The Ties that Bind: Cell Junctions and Adhesion in Development,” Tuesday, September 27, 2011, Coffman Memorial Union, Minneapolis Campus. See website for information on registration and program updates.

► **RECENT PUBLICATIONS**

[*FARMSTAY: Diversifying your Farm Business Through Agritourism: A How-To Manual for Establishing a Farmstay in Minnesota*](#), is a must-have for those considering starting a farmstay in Minnesota. The entire publication is available online. MINNESOTA INSTITUTE FOR SUSTAINABLE AGRICULTURE (MISA): misamail@umn.edu or (612) 625-8235 or (800) 909-MISA (6472).

[*ORGANIC RISK MANAGEMENT—The Risk Management Guide for Organic Producers*](#) is a free online manual and website that will help famers understand the risks in organic production and make choices that minimize those risks, (eds) Kristine Moncada and Craig Sheaffer. Contact: Kristine Moncada at monc0003@umn.edu or (612) 626-4906.

ORF, James H. 2011. *Methods of Soybean Breeding*, pp. 184-202. In J. Miladinovic, M. Hrustic, M. Vidic (eds), *Soybean*. Institute of Field and Vegetable Crops, Novi Sad "Sojaprotein", Becej.

MORRELL, PL and Clegg, MT. 2011. *Hordeum in Wild Crop Relatives—Genomic and Breeding Resources: Legume Crops and Forages*, edited by C. Kole, Springer-Verlag, Berlin.

YUNG-TSI BOLON, William J. Haun, Wayne W. Xu, David Grant, Minviluz G. Stacey, Rex T. Nelson, Daniel J. Gerhardt, Jeffrey A. Jeddelloh, Gary Stacey, Gary J. Muehlbauer, James H. Orf, Seth L. Naeve, Robert M. Stupar and Carroll P. Vance. 2011. *Phenotypic and Genomic Analyses of a Fast Neutron Mutant Population Resource in Soybean*. Plant Physiology, May 2011, Vol. 156, pp. 240-253, [PlantPhysiol](#). Cover design and photographs by Y. Bolon, B. Bucciarelli, R. Schirmer, J. Roessler, G. Bascur, and C. Vance.

COULTER, J.A., C.C. Sheaffer, M.J. Haar, D.L. Wyse, and J.H. Orf. 2011. Soybean cultivar response to planting date and seeding rate under organic management. *Agron. J.* 103:1223-1229.

► [CORNERCOPIA FARM BLOG](#)—Official blog of the University of Minnesota student organic farm.

SEMINARS

(Seminars will resume Fall Semester 2011)

Mondays

► [APPLIED PLANT SCIENCES \(APS\)](#)

3:30pm, 306 Borlaug Hall, St. Paul Campus

Theme: “The Landscape and Human Health Connection”

Tuesdays

► [PBS COLLOQUIUM SEMINAR SERIES](#)

3:30pm, 335 Borlaug Hall

Wednesdays

► [INSTITUTE ON THE ENVIRONMENT](#)—FRONTIERS IN THE ENVIRONMENT

Wednesdays, 12-1pm, IONE Seminar Room, R380 VoTech Bldg, StP

2nd and 4th Wednesdays

► [SOIL, WATER, AND CLIMATE SEMINARS](#)

3:00 pm, 375 Borlaug Hall

Wednesdays

► [DEPARTMENT OF HORTICULTURAL SCIENCE](#)

Wednesdays, 3:30pm, Alderman Hall

Wednesdays

► [BIOCHEMISTRY, MOLECULAR BIOLOGY & BIOPHYSICS](#)

4:00 pm, 2-137 Jackson Hall, Minneapolis Campus

Thursdays

► [BIOTECHNOLOGY INSTITUTE](#)

Thursdays, 3:30pm, 239 Gortner Lab, St Paul Campus

POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

UNIVERSITY OF NEBRASKA-LINCOLN EXTENSION

Extension Educator - Crops of the Future or Water, Climate & Environment. Northeast Research and Extension Center, located in Holt and Boyd Counties. Master's degree in Agriculture. Open until filled. Requisition # 110275.

MONSANTO

Technology Development Representative Weed Management. MS or PhD in weed science.

UNIVERSITY OF MINNESOTA

Soil and Water Lab Assistant (student work opportunity), Soil, Water, and Climate Department, St. Paul, Minnesota. Contact: Dr. Gary Feyereisen (gary.feyereisen@ars.usda.gov or 612-625-0968).

MONSANTO

Research Scientist - Trait Genomics, St. Louis, MO. PhD in Genetics or a related field, plus 1 year (or a Master's degree with 7 years) experience with standard molecular biology tools and techniques.

CARGILL

Molecular Breeding Manager - FOR00170, Trait Development, Specialty Canola Oils, Fort Collins, CO. PhD degree in plant genetics or plant breeding.

LAND O'LAKES, INC.

Technical Sales Support Specialist - Crop Protection Products, Shoreview, MN. MS or PhD, preferred in weed science, agronomy or closely aligned field. Requisition # 802.

Agronomy Gleanings: August 1, 2011

*Department of Agronomy and Plant Genetics | University of Minnesota
411 Borlaug Hall | 1991 Upper Buford Circle | St. Paul, MN 55108-6026
PHONE (612) 625-7773 | FAX (612) 625-1268 | [EMAIL](#) | [WEB](#) | [ARCHIVE](#)*

ANNOUNCEMENTS

PROJECT SELECTED TO RECEIVE IREE LARGE GRANT: Developing Intermediate Wheatgrass for Sustainable Co-Production of Fuel and Food. Project Lead: **Don Wyse**, Agronomy and Plant Genetics, College of Food, Agricultural and Natural Resource Sciences. Award: \$695,000 [Institute on the Environment](#)

RETIREMENT SYMPOSIUM IN HONOR OF DR. PAUL BLOOM

[Dr. Paul Bloom](#), Professor in the [Department of Soil, Water, and Climate](#), will retire at the end of August 2011 after 34 years with the University. A retirement symposium and reception in his honor is planned for Friday, September 16, 2011, in the Cargill Building on the University of Minnesota St. Paul Campus. The symposium will start at 1:00pm and include short presentations by some of Dr. Bloom's former graduate students, as well as some professional colleagues. A reception with light refreshments will follow starting about 3:00pm. We would like to have photos of Paul over the years to make into a slideshow for the reception and perhaps also a poster for Paul and Meg to take home. If you have a few photos of Paul you would like to share, please send them (jpeg, png, or tif) to [Sarah Nicholas](#).

IN REMEMBRANCE—

- **Hazel Linder** (age 90), wife of Mauritz Linder, a former technician on the soybean project, passed away peacefully surrounded by family on June 27, 2011.
- **Blythe Thompson** (1930-2011), wife of Dr. Roy Thompson, former Assoc Prof/Ext Agronomist & Asst Dir/Ag Exp Sta, died on June 29, 2011, after an interesting and activity-filled life. Her memorial service was July 22 in Roseville, Minn., with internment in Fort Snelling.
- **Teresa Schoeder Sheaffer** died peacefully on July 9, 2011, after a battle with brain cancer at the age of 54. A celebration of Teresa's life was held Saturday, July 16, at Shepherd of the Hills Lutheran Church in Shoreview, Minn. Teresa received a Bachelor of Science degree in Agronomy in 1980, and was a 30-year employee of the University of Minnesota, where she worked as a Senior Scientist for the undergraduate education program in the Department of Agronomy and Plant Genetics. Teresa is survived by her

husband, Prof. Craig Sheaffer (Agronomy/Plant Genetics, U of M), and three children: Mitchell (19), Parker (17) and Lewis (11).

FARMFEST

Farmfest 2011 | August 2-4 | Gilfillan Estate | Redwood County, MN

The 2011 Farm Family Recognition program will take place on Thursday, August 4th beginning at 1:30 p.m. at Farmfest. For more information about the recognition program, see the [2011 Event Details](#).

ROSEMOUNT RESEARCH AND OUTREACH CENTER OPEN HOUSE

Thursday, August 18 | 4:00 p.m. - 8:00 p.m. | [UMore Park](#) | Rosemount, MN

CANADIAN PLANT GENOMICS WORKSHOP

August 22-25, 2011 | Niagara Falls, Ontario, Canada | Keynote speaker: Dr. Richard Flavell, Chief Scientific Officer, Ceres Inc., Thousand Oaks, CA

CELEBRATE U! EMPLOYEE APPRECIATION EVENT

Staff and Faculty | Wednesday, August 24 | 11 AM -2 PM | Northrup Plaza and Lawnspace | Minneapolis Campus | University Field House in case of rain

While supplies last, bring your staff/faculty U Card to receive your gift and lunch.

NC ROC HORTICULTURE DAY

Wednesday, August 31, 2011 | North Central Research and Outreach Center | Grand Rapids, MN

MICROBIAL AND PLANT GENOMICS INSTITUTE (MPGI) SECOND ANNUAL FALL SYMPOSIUM

"Beyond the Reference: Population Genomics"

Thursday, September 1, 2011 | 8:00am to 4:30pm | Room 105 | Cargill Building

Sponsors: College of Biological Sciences & College of Food, Agricultural and Natural Resource Sciences

Tuesday, September 27, 2011

BMBB SYMPOSIUM

Announcing the 20th Annual University of Minnesota Symposium in Developmental Biology, "The Ties that Bind: Cell Junctions and Adhesion in Development," Tuesday, September 27, 2011, Coffman Memorial Union, Minneapolis Campus.

GREAT RIVER GREENING—Fall 2011 Restoration Events

Please join Great River Greening as we continue our efforts to restore native landscapes throughout the state! Individuals of all ages, families with supervised school-age children, and community and corporate groups of any size are welcome to participate in Greening's volunteer restoration events. See Great River Greening website for complete Fall 2011 events schedule. Pre-registration is required, so sign up today! You will receive a confirmation prior to the event with directions and event details. Register online at [Great River Greening](#) under "Volunteer" or

contact Mark Turbak, Volunteer Programs and Events Manager, volunteer@greatrivergreening.org or 651-665-9500 ext. 11. Major operating support for all Great River Greening programs is provided by the McKnight Foundation. Become a Fan of Great River Greening on Facebook!

[WHOLE GRAINS SUMMIT 2012](#)—Save the date!

May 20 - 22, 2012 | Hilton Minneapolis | 1001 Marquette Avenue South | Minneapolis, MN 55403-2440

[CORNERCOPIA FARM BLOG](#)—Official blog of the University of Minnesota student organic farm.

SEMINARS

(Seminars will resume Fall Semester 2011)

Mondays

▶ **[APPLIED PLANT SCIENCES \(APS\)](#)**

3:30pm, 306 Borlaug Hall, St. Paul Campus

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3:30pm, 335 Borlaug Hall

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▶ **[INSTITUTE ON THE ENVIRONMENT](#)**—**FRONTIERS IN THE ENVIRONMENT**

12-1pm, IONE Seminar Room, R380 VoTech Bldg, StP

2nd and 4th Wednesdays

▶ **[SOIL, WATER, AND CLIMATE](#)**

3:00pm, 375 Borlaug Hall

Wednesdays

▶ **[HORTICULTURAL SCIENCE](#)**

3:30pm, Alderman Hall

Wednesdays

▶ **[BIOCHEMISTRY, MOLECULAR BIOLOGY & BIOPHYSICS](#)**

4:00pm, 2-137 Jackson Hall, Minneapolis Campus

Thursdays

▶ **[BIOTECHNOLOGY INSTITUTE](#)**

3:30pm, 239 Gortner Lab, StP

POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

KANSAS STATE UNIVERSITY

Graduate Research Assistant (PhD), Soil Chemistry, Department of Agronomy, Manhattan, KS. M.S. degree in Soil Science, Geochemistry or related discipline. Deadline: Until filled. Position Announcement #487

JOHN DEERE

Specialist Instructor for the John Deere Agriculture and Turf (Ag & Turf) Equipment Division. Bachelor's degree in Agronomy, Agricultural Sciences, Education, Engineering/Technology or a business related discipline or a minimum of 5 years interacting with end-users through Ag Management Solutions (AMS) and/or technical instruction. Apply online to job number: 50443660.

UNIVERSITY OF WYOMING

Assistant or Associate University Extension Educator for Agriculture and Natural Resources, Worland, Wyoming. Master's degree in crop science, agronomy, or cognate field related to the crop system Extension function. Deadline: September 2, 2011, until filled. Position # 1180.

KANSAS STATE UNIVERSITY

Assistant Professor, Wheat Breeding, Western Kansas Agricultural Research Center, Hays, Kansas. PhD in plant breeding and genetics, crop science, or a closely related discipline with a strong background in applied plant breeding. Screening begins: August 29, 2011, until filled.

Agricultural Research Center

MICHIGAN TECHNOLOGICAL UNIVERSITY

Research Associate position in Climate Change, Native Plant Production, and Restoration, School of Forest Resources and Environmental Science, Houghton, Michigan. The work will be completed in Moscow, Idaho. PhD in natural resource management, ecology, environmental studies, nursery management, genetics, biological sciences, or a closely-related field. Start date: between September 1 and October 1, 2011.

UNIVERSITY OF GEORGIA

Assistant Professor, Forage Breeding and Genetics/Genomics, Department of Crop and Soil Sciences, Athens GA. Ph.D. degree in plant breeding, plant genetics, or closely related disciplines. Closing date: September 15, 2011 or until filled.

UNIVERSITY OF GEORGIA

Assistant/Associate Professor, Soybean Breeding, Department of Crop and Soil Sciences, Athens GA. Ph.D. degree in plant breeding, plant genetics, or closely related disciplines. Closing date: September 15, 2011 or until filled.

UNIVERSITY OF NEBRASKA-LINCOLN

Extension Educator, faculty position located in the Panhandle Research and Extension District. Master's degree in Agronomy, Crop Sciences or a closely related field. Requisition # 110419.

Agronomy Gleanings, November 2011

Department of Agronomy and Plant Genetics | University of Minnesota
411 [Borlaug Hall](#) | 1991 Upper Buford Circle | St. Paul, MN 55108-6026
PHONE (612) 625-7773 | FAX (612) 625-1268 | [EMAIL](#) | [WEB](#)

[Calendar of Events](#) | [News & Announcements](#) | [Seminars](#) | [Positions](#) | [Archive](#)

CALENDAR OF EVENTS

October 2011 —

3 - 31 (extended to Nov 4) [COMMUNITY FUND DRIVE](#)

THE 2011 COMMUNITY FUND DRIVE IS UNDER WAY. The annual fundraising effort of UMTC faculty and staff generates more than \$1 million annually for more than 400 organizations in Minnesota and the Twin Cities area. There are also opportunities to volunteer time. Faculty and staff who pledge are entered into weekly and grand prize drawings to win prizes, including the iPad2. The Community Fund Drive has been extended through Nov. 4. For more information and to [pledge online](#).

November 2011 —

1 - 30 — OPEN ENROLLMENT | EMPLOYEE BENEFITS

This year's open enrollment period starts **November 1 and ends November 30**. Please take the time to review all emails or brochures that you receive regarding the 2012 open enrollment period. There are significant changes to the medical and dental benefits including increases to employee premiums and co-pays.

1 — [THE PHILIP M. RAUP LECTURE](#)

Land and Environmental Policy Developments in Non-Market Environmental Valuation: An Australian Perspective | Professor Jeff Bennett | Professor and Director, Environmental Economics Research Hub | The Australian National University | 2:00 p.m. | Cargill Building for Microbial and Plant Genomics | St. Paul, MN | Sponsored by Minnesota Lectures on Applied Economics and Policy

3 — UNIVERSITY OF MINNESOTA STORES

25th Annual Open House | 10:00 AM - 2:00 PM | Great Hall Coffman Memorial Union | Minneapolis Campus | Free Lunch!

4 — FALL DEPARTMENTAL WINE AND CHEESE SOCIAL

3:00-5:00 PM | 306 Borlaug Hall | Great opportunity to meet new department members! | Appetizers and beverages provided | Must be 21 or older to attend this event | ~ Department Social Committee

5 — A SUSTAINABLE NEIGHBORHOOD DESIGN CONFERENCE

8:30 AM-4:00 PM | Rapson Hall | Center for Sustainable Building Research, Metropolitan Design Center, College of Design, University of Minnesota | 89 Church Street SE, Minneapolis Campus | Sponsored by the College of Design | Free but [registration](#) is requested.

8 — EMPLOYEE HEALTH & BENEFITS FAIR - 2011

St. Paul Student Center | North Star Ballroom | 10:00AM - 4:30PM | Free flu shots | Healthy and tasty treats | Free massages | Prizes and give-aways | Sponsored by Employee Benefits & Boynton Health Services

9 — APS GRADUATE CLUB SLOPPY JOE LUNCH & TURKEY RAFFLE

12:00-1:30 PM | 306 Borlaug Hall | Lunch \$4: vegetarian lentil Sloppy Joe and traditional meat Sloppy Joe | Raffle tickets \$1 each or 6 for \$5 | Project-related prizes and a chance to win one of two \$35 "turkey" gift certificates from Hampden Park Co-op | Need not be present to win | Bring a dessert and get two free raffle tickets | Prize suggestions/donations go to Luke Haggerty (hagge053@umn.edu) or Adria Fernandez (ferna108@umn.edu). Hope to see you there! ~ APS Grad Club

10 — ORGANIC FARMING

"Water and the Challenges Facing U.S. and World Agriculture in the 21st Century" | [Fred Kirschenmann](#) | Farmer, philosopher and distinguished fellow at Iowa State University's Leopold Center for Sustainable Agriculture | 7:00 PM | Moos Family Speaker Series | Sponsored by Freshwater Society and the College of Biological Sciences | St. Paul Student Center Theater | University of Minnesota, St. Paul campus | [RSVP](#)

17 — SCIENCE MUSEUM OF MINNESOTA

[Friends of the Mississippi River](#) | "The Dirt on Sediment Pollution: Water Quality in the Mississippi River" | 7:00-8:30 PM | 120 W Kellogg Blvd, St. Paul, MN

24 & 25 — [UNIVERSITY HOLIDAYS](#)

Thanksgiving Day & Floating Holiday. University offices will be closed.

NEWS AND ANNOUNCEMENTS

2011 FALL SEMESTER COURSE

"*Food & Agriculture from Buenos Aires to Lima at 10 mph*" is being co-taught by professor [Paul Porter](#) (bike trip portion) and **Mary Brakke** (classroom portion). **Bryan Runck** (course assistant) designed the class' own social network [EatBikeGrow.com](#) and developed a K-12 curriculum to get neighboring school districts interested in following the group's adventure. Porter and four students have been biking through South America since Sept 25. They have reached central Chile and will return to the classroom Dec. 21. You are welcome to follow along on their journey at [EatBikeGrow.com](#). (For full access to audio/video, it is suggested that you sign up on the site.) [Minnesota Daily](#) 09 /13 /2011 | [Minnesota Daily](#) 10/27/2011

[SIEHL PRIZE FOR EXCELLENCE IN AGRICULTURE](#)

Nominations are open for the 2012 Siehl Prize for Excellence in Agriculture. The prize recognizes outstanding contributions to agriculture and the alleviation of world hunger. Recipients are chosen in three categories: knowledge (teaching, research and outreach), production agriculture and agribusiness. Each laureate receives \$50,000 as well as a sculpture and lapel pin designed by Minnesota artist Thomas Rose. [Nomination instructions](#) are available online. Deadline is January 15, 2012, with winners expected to be announced during National Ag Week in March. The 2012 Siehl Prize Laureates will be honored at a ceremony on May 24th at the McNamara Alumni Center.

RECENT GRANT AWARD

The University of Minnesota was awarded a \$904,000 USDA grant to develop "a viable bush-type hazelnut industry in the Upper Midwest." **Professor [Don Wyse](#)** said hazelnuts are a long-standing subject of university research and among a group of plants viewed as "the next generation of crops for the Minnesota landscape." [St. Paul Pioneer Press](#), 10/18/11

UNIVERSITY OF MINNESOTA ALUMNI ASSOCIATION

Congratulations to Roger Caspers who was the recipient of the Faculty/Staff Volunteer of the Year Award sponsored by the U of M Alumni Association. [KSTP](#)

MN DEPARTMENT OF AGRICULTURE ANNOUNCES A REQUEST FOR PROPOSALS

[MDA Clean Water Research Program](#) | Call open: October 17, 2011 | Project proposals due: December 9, 2011.

SUSTAINABLE AGRICULTURE RESEARCH AND EDUCATION (SARE) Program

Call for student papers | [Agriculture, Food and Human Values Society](#) (AFHVS) | Final versions due: March 8, 2012.

[THE WORLD FOOD PRIZE](#): CELEBRATING 25 YEARS

2011 Borlaug Dialogue | "The Next Generation: Confronting the Hunger Challenges of Tomorrow" | October 12-14 | Des Moines, Iowa | The event featured over 40 distinguished speakers from around the world.

- THE WORLD FOOD PRIZE [GLOBAL YOUTH INSTITUTE](#) was held Saturday, October 15, Des Moines, Iowa.

[2011 ASA/CSSA/SSSA](#) INTERNATIONAL ANNUAL MEETING

"Fundamental for Life: Soil, Crop, & Environmental Sciences." The American Society of Agronomy, Crop Science Society of America, and Soil Science Society of America hosted more than 4,000 scientists, professionals, educators, and students at the 2011 International Annual Meetings, held in conjunction with the Canadian Society of Soil Science, October 16-19, 2011 in San Antonio, TX. SSSA celebrated their 75th Anniversary at the meetings. Events took place primarily at the Henry B. Gonzalez Convention Center, San Antonio, TX.

- GARY MUEHLBAUER was recognized as a recipient of the American Society of Agronomy Fellow award and the Crop Science Society of America Fellow award at special awards ceremonies held during the ASA|CSSA|SSSA meetings.
- TIFFANY STONE, APS undergrad student (Agronomy/Horticulture), was recognized as a recipient of the Golden Opportunity Scholars Award at the ASA|CSSA|SSSA meetings.

[CAREER & INTERNSHIP SERVICES](#) (formerly the St. Paul Campus Career Center)

Career & Internship Services offers assistance with Graduate School planning, resume clinics, job and internship search as well as career fairs and events. Hours are Monday - Friday, 8:00 am - 4:30 pm. Resume clinics are available Fall Semester.

[MOODLE 2.0](#)

Training through the Office of Information Technology is available on a variety of topics. Learn to build Moodle course websites, add assignments and quizzes, use the grade book effectively, and more. For registration and more information, see technology training

SEMINARS

(Seminars held on the St. Paul Campus unless otherwise noted)

Mondays

[APPLIED PLANT SCIENCES \(APS\) SEMINAR SERIES](#)

3:30pm | 306 Borlaug Hall

Seminar Series Theme: Sustainable Development of Multifunctional Landscapes: Land, Food, Human Health, and Energy

Mondays

[PLANT PATHOLOGY](#)

3:00pm | 365 Borlaug Hall

Mondays

[CONSERVATION BIOLOGY](#) (pdf)

4:00pm | 140B Plant Growth Facility

Tuesdays

[ENTOMOLOGY](#)

3:00pm | 490 Hodson Hall

Tuesdays

[PLANT BIOLOGICAL SCIENCES \(PBS\) COLLOQUIUM SERIES](#)

3:30pm | 335 Borlaug Hall

Wednesdays

[INSTITUTE ON THE ENVIRONMENT—FRONTIERS IN THE ENVIRONMENT](#)

12:00pm | IONE Seminar Room | R380 VoTech Bldg

Wednesdays

[SOIL, WATER, AND CLIMATE](#)

3:00pm | 306 Borlaug Hall

Wednesdays

[HORTICULTURAL SCIENCE](#)

3:30pm | 415 Alderman Hall

Wednesdays

[BIOCHEMISTRY, MOLECULAR BIOLOGY & BIOPHYSICS](#)

4:00pm | 2-137 Jackson Hall | Minneapolis Campus

Wednesdays

[ECOLOGY, EVOLUTION AND BEHAVIOR](#)

4:00pm | 335 Borlaug Hall | coffee/cookies near 100 Ecology preceding each seminar

Thursdays

[APPLIED ECONOMICS](#)

10:30am | 119 Ruttan Hall

Thursdays

[THE BIOTECHNOLOGY INSTITUTE](#)

3:30pm | 239 Gortner Lab

POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

[PURDUE UNIVERSITY](#)

Weed Science Program Specialist - West Lafayette - Botany and Plant Pathology (1101726).

Qualifications Required: Master's degree in Weed Science or closely related disciplines combined with significant weed science experience. MS level weed scientist. The responsibilities are primarily extension. Description and application site: [Purdue University Jobs](#)

[OREGON STATE UNIVERSITY](#)

Assistant or Associate Professor, Potato Breeding and Genetics, Hermiston Experiment Station, Oregon. Closing date: October 31, 2011. Posting # 0008115, <http://oregonstate.edu/jobs>.

[MICHIGAN STATE UNIVERSITY](#)

Forage Management Academic Specialist, Department of Crop and Soil Sciences, East Lansing, MI. PhD in Agronomy, Ecology, Horticulture or related fields. Closing date: November 1, 2011. <https://jobs.msu.edu>. Posting #5295.

[THE SAMUEL ROBERTS NOBLE FOUNDATION, INC.](#)

Assistant/Associate Professor of Plant Breeding, Forage Improvement Division, Ardmore, OK. Ph.D. in Plant Breeding, Genetics, Crop Science, or Plant Biology with a background in plant breeding, statistics, quantitative genomics, crop physiology, and/or genetics and a strong record of publication and grant funding are urged to apply. Position Number: FB-S010-110.

[AUBURN UNIVERSITY](#)

Assistant/Associate Professor, Peanut Breeding and Genetics, Department of Agronomy and Soils, College of Agriculture, Dawson, GA. PhD in plant breeding, genetics or a closely related discipline. Application review begins: November 1, 2011, until filled.

[NORTH DAKOTA STATE UNIVERSITY](#)

Soil Scientist, lead development, implementation and reporting of the soil science research program, at Carrington Research Extension Center, Carrington, ND. Minimum qualifications: Master's degree in soil science or closely related field with experience leading an applied field research program. Opening # 1100288, <https://jobs.ndsu.edu/>

[VIRGINIA TECH](#)

Assistant Professor in Field Crops Agronomy with emphasis on cotton production, Tidewater Agricultural Research and Extension Center, Suffolk, VA. PhD in agronomy, crop and soil science, weed science or a related discipline. Closing date: December 1, 2011. Posting # 0110908, <http://www.jobs.vt.edu>

[VIRGINIA TECH](#)

Three faculty positions: 1) Assistant Professor of Soybean Genetics and Breeding, 2) Assistant Professor of Environmental Metagenomics, and 3) Assistant Professor of Crop Stress Physiology and Genomics, Department of Crop and Soil Environmental Sciences, Blacksburg, Virginia. Closing date: December 1, 2011.

[UNIVERSITY OF MINNESOTA](#)

Graduate Research Assistant, Department of [Bioproducts and Biosystems Engineering](#), St. Paul, MN. Full assistantship for students pursuing a Masters or a PhD degree are available. Date available: Spring or Fall 2012.

[UNIVERSITY OF GEORGIA - ATHENS, GA](#)

Assistant Professor, Department of Crop and Soil Sciences, Forage Breeding and Genetics/Genomics, 12-month tenured/tenure-track position. Ph.D. in plant breeding, plant genetics, or closely related disciplines. Training or experience in forage or range management and molecular techniques is desirable. Electronically send application package to Forage Breeding Search and Screen Chair, c/o Pamela Brown, pjbrown@uga.edu, Department of Crop and Soil Sciences, 3111 Plant Sciences Bldg, Athens, GA 30602.

[UNIVERSITY OF GEORGIA - ATHENS, GA](#)

Assistant/Associate Professor, Department of Crop and Soil Sciences, Soybean Breeding, 12-month tenured/tenure-track position. Ph.D. in plant breeding, plant genetics, or closely related disciplines. Electronically send application package to Soybean Breeding Search and Screen

Chair, c/o Pamela Brown, pjbrown@uga.edu, Department of Crop and Soil Sciences, 3111 Plant Sciences Bldg, Athens, GA 30602.

MICHIGAN TECHNOLOGICAL UNIVERSITY

Research Associate, PhD in natural resource management, ecology, environmental studies, nursery management, genetics, biological sciences, or a closely related field. Position to synthesize the state of the science at the intersection of climate change, nursery production, and restoration practices. This position is in collaboration with scientists at the USDA Forest Service Rocky Mountain Research Station GSD in Moscow, Idaho.

UNIVERSITY OF NEBRASKA - LINCOLN

Assistant Professor, Soils Management Scientist, Department of Agronomy and Horticulture, Lincoln, NE. PhD in Soil Science, Crop Science, Agronomy, or related discipline. Closing date: October 31, 2011 or until filled.

UNIVERSITY OF NEBRASKA - LINCOLN

Assistant Professor, Weed Management Specialist, Department of Agronomy and Horticulture, Lincoln, NE. PhD degree in weed science, agronomy, or a closely related discipline. Closing date: October 31, 2011 or until filled.

UNIVERSITY OF NEBRASKA - LINCOLN

Extension Educator, faculty position, West Central Research and Extension Center. Master's degree with one degree in Mechanized Systems Management, Biological Systems Engineering or Agronomy or other closely related field. Requisition # 110657.

KANSAS STATE UNIVERSITY

Graduate Research Assistant (Ph.D.), Department of Agronomy, Soil Chemistry. Qualifications include M.S. in soil science, geochemistry or related discipline. Submit application materials to Brittany Green, Kansas State University, Department of Agronomy, 2004 Throckmorton Plant Sciences Center, Manhattan, KS 66506-5501.

KANSAS STATE UNIVERSITY - AGRICULTURAL RESEARCH CENTER

Assistant Professor, Wheat Breeding, 12-month, tenure track, 100% Research. Required: Ph.D. in plant breeding and genetics, crop science, or a closely related discipline with a strong background in applied plant breeding. Preferred: Experience in applied plant breeding in wheat. Demonstrated record of scientific publication and successful development of competitive grants. Anticipated start date November 1, 2011. Submit application materials (pdf files) by e-mail to Robert L. Gillen, (gillen@ksu.edu), Head, Western Kansas Agricultural Research Center. Letters of reference should be sent to Search Committee, Wheat Breeding, Agricultural Research Center - Hays, 1232 - 240th Avenue, Hays, KS 67601.

UNIVERSITY OF WYOMING

Assistant or Associate University Extension Educator for Agriculture and Natural Resources, Washakie County, Worland, Wyoming. Master's degree in crop science, agronomy, or cognate field clearly and specifically related to the crop system Extension function. Preferred qualifications include knowledge of Cooperative Extension and the land-grant university system,

agronomic conservation practices of the Natural Resources Conservation Service, expertise to work with both traditional and non-traditional agriculture, and subject matter expertise in crops and/or agronomy and/or irrigated pasture management. Position # 1180

<http://ces.uwyo.edu/jogs.asp>

BUCKNELL UNIVERSITY

Plant Geneticist with experience in ecology or evolution, David Burpee Endowed Chair in Plant Genetics, Biology Department, Lewisburg, PA. PhD., an established independent research program and extensive teaching experience with evidence of teaching effectiveness.

JOHN DEERE Agriculture and Turf Equipment Division

Specialist Instructor, BA in agronomy, agricultural sciences, education, engineering/technology or a business related discipline. Develop and deliver various training programs to channel partners, company personnel, and customers focused on precision farming solutions. Require working agronomic knowledge of products and services offered to support production agriculture. A strong candidate will also have continuing Master's education in Agronomy. Apply online at [John Deere Jobs](#) to position #50443660.

LAND O'LAKES

Land O'Lakes is looking for volunteers for a variety of open volunteer assignments for projects (approx. two weeks) abroad. A few of the specialties are Fattening Sheep, Collecting Transported Tomatoes for Process, Italian Cheese Processing, Yellow (Mediterranean) Cheese Processing, Belgian Endive Farming/Production, Okra Farming/Production, Apple Storage in Controlled Atmosphere Rooms, Hydroponic Farming (Forage).

LIVING GREEN

Two Intern positions. Living Green is a start up aeroponic farm seeking two candidates to assist in a first of its kind commercial vertical farm warehouse to grow leafy greens. The intern will work with a top engineer (Vice President of New Product Development from Ingersol Rand) as well as, consult with NASA's aeroponic scientist Richard Stoner to develop, test, and built system prototypes.

Agronomy Gleanings: December 15, 2011

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411 Borlaug Hall | 1991 Upper Buford Circle | St. Paul, MN 55108-6026
PHONE (612) 625-7773 | FAX (612) 625-1268 | EMAIL | WEB

[Calendar of Events](#) | [News & Announcements](#) | [Seminars](#) | [Positions](#) | [Archive](#)

CALENDAR OF EVENTS

December 2011 —

26 & 27 — Christmas Day (observed) & Floating Holiday. University offices closed.

January 2012 —

2 — New Year's Day (observed). University offices closed.

4 - 6 — NORTHERN GREEN EXPO
Minneapolis Convention Center

5 — Laurie Brand's Retirement Celebration (click link for details)
306 Borlaug Hall | 3:00 - 5:00 PM | Hosted by CFANS Budget/Finance Office and the
Department of Agronomy and Plant Genetics

6 — Soil Testing and Research Analytical Lab | Retirement Party/Open House | For: Roger
Eliason, Russ Anderson, Margaret Miller, Tom Graff | 1:30-4:30 PM | Crops Research Building |
1902 Dudley Ave

10 - 11 — Minnesota Crop Improvement Association (MCIA) Annual Meeting Notice | A Seed
Treatment Workshop will be the focus of the 2012 Minnesota Crop Improvement Association
Annual Meeting. The meeting will be held January 10-11, 2012, at the Shooting Star Casino
Hotel in Mahanomen, MN. Attached is an invitation with program and meeting highlights. Mark
your calendars and plan to attend! Contact Ben Lang at MCIA if you have any questions (612)
625-7766. 2012 Annual Meeting-Invite Program

13 - 14 — Minnesota Organic Conference
St. Cloud River's Edge Convention Center | St. Cloud, MN | Brochure | Contact: Meg Moynihan

16 — Martin Luther King, Jr., Day. University offices closed.

17 — Spring semester classes begin.

February 2012 —

1 — Environmental Internship & Career Fair
1:00pm - 5:00pm | North Star Ballroom | St. Paul Student Center

March 2012 —

16 — Floating Holiday. University offices closed.

April 2012 —

May 2012 —

20 - 22 — Whole-Grains-Summit
Hilton Minneapolis | 1001 Marquette Avenue South | Minneapolis, MN | Contact: Nicole Freese
or Kristi Fischer: cceconf5@umn.edu

28 — Memorial Day. University offices closed.

NEWS AND ANNOUNCEMENTS

2012 MINNESOTA VARIETAL TRIALS RESULTS | Minnesota Agricultural Experiment Station

The annually published 2012 Minnesota Varietal Trials is now available online. This publication provides results of crop variety testing by U of M scientists.

PHOTO WALL DISPLAY

We have started a Photo Wall Display in 411 Borlaug Hall. You are invited to showcase a family photo and to enjoy the photos of other department members.

RESEARCH UPDATES FOR AG PROFESSIONALS, 2012 SERIES

Dates and Locations: | January 3 - Waseca | January 4 - Kasson | January 5 - Lamberton | January 10 - Willmar | January 11 - Morris | January 12 - Crookston | Get the latest crop production research and strategies. Learn more about topics covered and register at: Research Updates for Ag Professionals. Questions can be directed to Dave Nicolai, Program Director, (612) 625-2778 | Institute for Ag Professionals | University of Minnesota Extension

THE BUCKMAN FELLOWSHIP FOR LEADERSHIP AND PHILANTHROPY

The Buckman Fellowship is designed to help individuals who want to make a difference in the community. Up to 10 Fellows are selected annually from a pool of applicants that includes faculty, staff, graduate students, and alumni. The successful applicant will be able to describe a project that they wish to undertake. Projects may be quite small and well defined, or they might

lay the foundation for many years of work. Fellows meet once a month during the academic year. Speakers* are brought in who are experts on different aspects of philanthropy and leadership. In addition to hearing expert perspectives, time is spent with others in the cohort to help with project development. At the end of the year, Fellows should have made measurable progress on their project, and have a plan for proceeding. *Examples have included grantwriting and fundraising, project management, marketing, strategy, creative problem solving, negotiation and communications, and building partnerships. For more information, contact Colleen Kahn, Administrator, College of Design.

NUTRIENT MANAGEMENT GRANTS AVAILABLE

The Minnesota Crop Production Retailers (MCPR), Minnesota Agricultural Water Resources Center (MAWRC), and Minnesota Department of Agriculture (MDA) are partnering to offer grants to ag-professionals for the purpose of evaluating and/or demonstrating nutrient management practices that enhance nutrient efficiency and have a positive impact on water quality. The total amount available for the 2012 growing season is \$25,000. Applications in the range of \$5,000 to \$7,000 are appropriate. Grant Applications are due on January 10, 2012. Contact: Margaret Mangan, MDA.

Initiative for Renewable Energy & the Environment | 2011 Annual Report | Institute on the Environment | *Growing Food and Fuel with Wheatgrass* | Prof. Donald Wyse | Pgs. 10 & 11

SOURCE Fall 2011 | University of Minnesota | Extension | Assist. Prof. Jeff Coulter | Extension agronomist | *Wet Spring: Long-term research drives planting recommendations* | Pg. 9

THANK YOU FROM HANS JUNG

On behalf of myself and my family I wish to express our gratitude for the flowers from the department and the expressions of sympathy we received upon the passing of my father. As I said to several of you, he lived a long and eventful life so there were no regrets. Thanks again,
Hans

PROF EMERITUS DONALD (CAROL) RASMUSSEN'S GRANDDAUGHTER

Eden Prairie backstroker Rachel Bootsma sits out state swim meet, sets sights on Olympics.
Pioneer Press

NEW BOOK

"Our Daily Bread: The Essential Norman Borlaug" by Noel Vietmeyer, October 2011.
Hardcover copies signed by Vietmeyer are available for \$20 in 411 Borlaug Hall. Also available for \$10 per copy, BORLAUG: Volume's 2 & 3.

RECYCLE YOUR HOLIDAYS

Minnesotans are encouraged to drop off their old, broken holiday lights at any participating location during the holiday season. Details at: Clean Energy Resource Teams.

SIEHL PRIZE FOR EXCELLENCE IN AGRICULTURE

Reminder — Nominations are open for the 2012 Siehl Prize for Excellence in Agriculture. The prize recognizes outstanding contributions to agriculture and the alleviation of world hunger.

Recipients are chosen in three categories: knowledge (teaching, research and outreach), production agriculture and agribusiness. Each laureate receives \$50,000 as well as a sculpture and lapel pin designed by Minnesota artist Thomas Rose. Nomination instructions are available online. Deadline is January 15, 2012, with winners expected to be announced during National Ag Week in March. The 2012 Siehl Prize Laureates will be honored at a ceremony on May 24th at the McNamara Alumni Center.

SEMINARS (will resume spring semester 2012)

(U of M, St. Paul Campus, unless otherwise noted)

Mondays

APPLIED PLANT SCIENCES (APS) SEMINAR SERIES

3:30pm | 306 Borlaug Hall

Seminar Series Theme: Sustainable Development of Multifunctional Landscapes: Land, Food, Human Health, and Energy

Mondays

PLANT PATHOLOGY

3:00pm | 365 Borlaug Hall

Mondays

CONSERVATION BIOLOGY (pdf)

4:00pm | 140B Plant Growth Facility

Tuesdays

ENTOMOLOGY

3:00pm | 490 Hodson Hall

Tuesdays

PLANT BIOLOGICAL SCIENCES (PBS) COLLOQUIUM SERIES

3:30pm | 335 Borlaug Hall

Wednesdays

INSTITUTE ON THE ENVIRONMENT—FRONTIERS IN THE ENVIRONMENT

12:00pm | IONE Seminar Room | R380 VoTech Bldg

Wednesdays

SOIL, WATER, AND CLIMATE

3:00pm | 306 Borlaug Hall

Wednesdays

FOREST RESOURCES

3:00pm | 203 Green Hall

Wednesdays

HORTICULTURAL SCIENCE

3:30pm | 415 Alderman Hall

Wednesdays

BIOCHEMISTRY, MOLECULAR BIOLOGY & BIOPHYSICS

4:00pm | 2-137 Jackson Hall | Minneapolis Campus

Wednesdays

ECOLOGY, EVOLUTION AND BEHAVIOR

4:00pm | 335 Borlaug Hall | coffee/cookies near 100 Ecology preceding each seminar

Thursdays

APPLIED ECONOMICS

10:30am | 119 Ruttan Hall

Thursdays

THE BIOTECHNOLOGY INSTITUTE

3:30pm | 239 Gortner Lab

POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

MONSANTO

Trait Integration Breeder, Arlington, WI. Ph.D. in plant breeding, agronomy, plant physiology, or a related field or BS or MS degree and 5 years of experience. Monsanto Jobs

SHELTER FOR LIFE INTERNATIONAL

Agronomist to help train farmers in Afghanistan in modern farming and production techniques. Advanced University degree in environment, agriculture, or agronomy. Shelter For Life International Headquarters, Minnetonka, MN.

NORTH DAKOTA STATE UNIVERSITY

Research Specialist, North Central Research Extension Center, Agriculture and University Extension, Minot, ND. BS or MS degree in agronomy. Closing date: Open until filled. NDSU Jobs

CALIFORNIA STATE POLYTECHNIC UNIVERSITY (Cal Poly Pomona)

Chair for the Department of Plant Sciences, Pomona, CA. Applicant review begins: February 1, 2012. CSU Faculty Positions

WASHINGTON STATE UNIVERSITY

Postdoctoral Research Associate in Wheat Molecular Genetics, focus on stripe rust resistance, Department of Crop and Soil Science, Pullman, WA. PhD degree in Crop Science, Genetics, Plant Pathology or related field and relevant professional research experience.