

THE SOILED PROFILE



NEWSLETTER DEPARTMENT OF SOIL SCIENCE UNIVERSITY OF MANITOBA “bringing you the latest dirt”



UNIVERSITY
OF MANITOBA

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Past issues of the Soiled Profile are now on our
webpage: [umanitoba.ca/afs/soil science/](http://umanitoba.ca/afs/soil%20science/)

20 May 2016

Upcoming:

Wednesday, June 22, 9:00 a.m. – Annual shed clean-up. Keep this date clear. We need as many hands as possible to ensure the shed is thoroughly purged and cleaned, especially the walk-in freezer and cooler.

Department Staff Away:

Lynda Closson	Jun 22 afternoon
Wole Akinremi	May 16-Jun 4 (CSSS, Ghana)
Don Flaten	May 31 – Jun 3 (Washington)

News:

David Lobb named Fellow of the Canadian Society of Soil Science

This week at the Canadian Society of Soil Science annual meeting, Dr. David Lobb received the award of Fellow of the Canadian Society of Science. Since 2010, he has also been the Senior Research Chair for the Watershed Systems Research Program at the U of M, where his main focus has been on understanding the processes and evaluating the beneficial management practices that affect nutrient and sediment loading to water bodies such as Lake Winnipeg. David received his B.Sc. (1987) in physical geography from the University of Toronto, and his M.Sc. (1991) and Ph.D. (1998) in Soil Science from the University of Guelph. Prior to joining the University of Manitoba in 1999, David worked at the Eastern Canada Soil and Water Conservation Centre at the University of Moncton, and at the Centre for Soil and Water Conservation at the University of Guelph. He grew up on a cash crop farm in southern Ontario, where his father was a pioneer in the development of no-till cropping systems for that region. Dr. Lobb's research, teaching and extension activities are in the areas of soil erosion, soil and water conservation and sustainable agriculture. A major focus of David's research has been the causes and management of soil variability in agricultural landscapes. He is internationally recognized for his research in tillage translocation and tillage erosion. In support of Agriculture and Agri-Food Canada's agri-environmental risk indicator program, David has made major contributions to the development of the tillage erosion risk and soil erosion risk indicator models. David was also a significant contributor in Agriculture and Agri-Food Canada's Watershed Evaluation of BMPs program, providing expertise in soil erosion and sedimentation. Information from David's research can be found in BMP guides, Environmental Farm Plan

manuals, and other extension materials across the country. David has also contributed substantially to the Canadian Society of Soil Science, having served as a Councillor as well as President and other roles.

These professional contributions have not gone unnoticed by others. David has received a variety of honours and awards, including being inducted into the Canadian Conservation Hall of Fame, Soil Conservation Council of Canada (2015), receiving an Outreach Award from the University of Manitoba (2010), a Science Award for Leaders in Sustainable Development in recognition of outstanding contribution to advancing and communicating science in support of sustainable development in Canada from the Government of Canada (Agriculture and Agri-Food Canada, Environment Canada, Fisheries and Oceans Canada, Health Canada and Natural Resources Canada) (2002), the Young Scientist Award for excellence in research, teaching and extension, Soil Science Society of America, SSSA-S6 (2001), an International Travel Award from the Canadian Society of Soil Science (2000), and the President's Citation for outstanding contribution and a Commendation Award for leadership and service from the Soil and Water Conservation Society (1997).

David joins a group of distinguished scientists from the Department of Soil Science, University of Manitoba who have been named CSSS Fellows including Joe Ellis (1963), Bob Soper (1981), Geza Racz (1988) and adjunct professor Cynthia Grant (2011) as well as Don Flaten, CSSS Soil Science for Society Award (2009).



CSSS Book Award

Ashley Ammeter, who graduated with a Bachelor of Science in Agriculture with a minor in Soil Science, was selected for the CSSS Book Award for 2016 by the Department of Soil Science because she has the highest GPA amongst her graduating cohort in the Soil Science minor program. The award recognizes undergraduates at Canadian universities who demonstrate excellence in Soil Science. Award winners receive a copy of *Soil Sampling and Methods of Analysis* (2nd Edition), published jointly by CSSS and CRC Press in 2007. Congratulations!

Windspeaker Interview

Lena Yusim was interviewed last week by [Windspeaker](#), Canada's most widely circulated indigenous news publication. She discussed the Verna Kirkness Science and Engineering Program. Also interviewed were two

students, Antonina and Harmony, who are being hosted by Annemieke Farenhorst about their experiences in the program. Below is a photo of the two girls with Verna Kirkness herself!



SSGSA contribution to Fort McMurray

SSGSA collected \$350.10 from their charity bake sale and \$240.95 from the BBQ last week for a total of \$591.05 that will be donated to support people affected by fire in Fort McMurray. Amanda, Ike and Megan did a great job! Many thanks to our people who brought amazing baked foods and donated generously.

Visit with a retired Manitoba Soil Scientist

On the way to the CSSS conference in Kamloops, Darshi and Wole visited Dr Cho and Dr (Mrs) Cho in Richmond, Vancouver. The two Chos are doing fine and they send their greetings to everyone in the Department. Dr Cho asked about “*the Dutch Lady doing pesticide work*” and about David Lobb from Guelph. It was a beautiful time for two former department graduate students to reminisce about days past in the Department.



Opportunities:

Manitoba Beef Producer Bursaries

Manitoba Beef Producers (MBP) is pleased to announce it will again award six \$500 bursaries to deserving Manitoba students in 2016. The bursaries are available to MBP members, or their children, who are attending a university, college or other post-secondary institution. Students pursuing trades training are also eligible. Preference will be given to students who are pursuing a field of study related to agriculture or those acquiring a skilled trade that would benefit the rural economy. The application can be found at www.mbbeef.ca/producers/mbp-bursary/. Completed applications must be submitted by **June 3, 2016**.

Potato Diggers, Soil Ecology Lab, Department of Soil Science, University of Manitoba

The Soil Ecology lab will need help for 2-3 weeks with potato digs for yield in field experiments at end of August. We are **looking for 4-6 high school students** interested in working at that time. The work involves lifting and carrying. Please let Mario know if you know of interested students.

MSc and PhD positions, Soil Carbon Storage and Greenhouse Gas Mitigation Modelling, University of Guelph

The research project is a collaboration between the University of Guelph and Agriculture and AgriFood Canada (AAFC). The selected candidates will be stationed at Guelph, conduct field research at the University of Guelph Elora Research Station and will spend 1 - 2 semesters being trained on modelling at AAFC, Ottawa (Ward Smith, ward.smith@agr.gc.ca). The ideal candidates will have a background in soil, crop science and biogeochemical carbon and nitrogen cycling with knowledge of computer programming. The candidates will be required to gain expertise in developing algorithms and applying complex process-based models to simulate crop productivity and sustainability in agricultural systems.

Please email a statement of interest that highlights related experience, CV and transcript (unofficial copy is sufficient) to Prof. Claudia Wagner - Riddle (cwagnerr@uoguelph.ca) by **July 31, 2016**.

Canada Research Chair (Tier 1), Microbiology of Forest Soils, Département des sciences du bois et de la forêt, Université Laval.

All interested persons should send their application by electronic mail, including a letter of motivation, a CV and the name of three references, by June 2nd to: Jean-Claude Ruel, Director, Department of Wood and Forest Sciences, Faculty of Forestry, Geography and Geomatics, Université Laval. Email: directeur@sbf.ulaval.ca. Estimated date of hiring: **January 2017**.

Events:

Weed Seedling ID Day, May 25, 1:30-3:30 p.m., University of Manitoba Research Farm, Carman, MB

Weed Seedling Identification Presentation: An overview of information for identifying weeds in the seedling stage, including tips on common family traits, cotyledon shape, and other useful identification tools.
Ingrid Kristjanson, Manitoba, Agriculture, Food & Rural Development.

Weed Seedling Identification Practice Session: A wide selection of weeds will be available for practicing weed identification skills. There are usually between 50 and 100 weeds available for hands-on

identification. This year the Weed supervisors are hoping to collect more unusual but noxious weeds, such as spotted and diffuse knapweed.

More information: Michèle Ammeter (204) 736-2331 or Vince Hiebert (204) 871-5137.

Rain or Shine. No Charge! Everyone Welcome!

40th annual conference, Prairie Division, Canadian Association of Geographers, Sep 23-25, Melfort, SK

Hosted by the Department of Geography and Planning, University of Saskatchewan. All research is welcome and encouraged. This event begins with a mixer on Friday evening, oral and poster presentations on the Saturday morning, a field trip on Saturday afternoon, and a banquet complete with awards and a photo competition on Saturday Evening. The annual general meeting is held on Sunday morning. Student registration for the event is typically around \$100 (which includes the banquet) and students are often given a travel award averaging about \$100 for presenting (amount determined at the AGM). Field trips are reasonably priced as an add on to the registration (\$20-\$50 range).

More information: <http://pcag.uwinnipeg.ca>.

ASA-CSSA-SSSA Annual Meeting, Nov. 16-19, 2016, Phoenix, AZ

Early submission date for abstracts is **May 24** (they can be edited up until Aug 25).

The ASA Section: Environmental Quality/Soil Carbon and Greenhouse Gas Emissions Community (<https://scisoc.confex.com/scisoc/2016am/webprogrampreliminary/Symposium137.html>) are soliciting voluntary contributions to a poster session that will accompany the symposium entitled "Counting Carbon on the Farm: Science, Systems and Support Poster"

(<https://scisoc.confex.com/scisoc/2016am/webprogrampreliminary/Session15809.html>), as part of the Tri-Societies annual meeting, in Phoenix, Arizona (Nov 6-9, 2016). Contributions can include GHG inventory tools, applications and case studies (e.g., for offset/trading applications, supply chain management) relevant for farm to project-scale efforts to support GHG reductions from soils and land use systems. For further information contact Dr. Maysoon Mikha (Maysoon.Mikha@ars.usda.gov).