

THE SOILED PROFILE



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



UNIVERSITY
OF MANITOBA

For general inquiries or if you have material to include in the newsletter:

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

11 August 2017

Upcoming:

Sunday, Aug 13, 2:00 p.m. – Canada Summer Games Closing Ceremonies. **Currently, there are no specific times posted for parking restrictions for W lot.**

Wednesday, August 16, 1:00 p.m., Room 346 Ellis Building – Department of Soil Science, M.Sc. thesis defense, Johanna Theroux. “Characterising Turbidity and Identifying Sediment Sources in Norway House Cree Nation Drinking Water using a Sediment Fingerprinting Technique”

Thursday, August 17, 1:00 p.m., Room 346 Ellis Building – Department of Soil Science, Ph.D. thesis defense, Amanda Taylor. “Investigating Spatial Representation of Micrometeorological Flux Measurements over Agroecosystems”

Thursday, Aug 17 – Special Event at Investors’ Group Field. **Parking restrictions will be in effect for W lot starting at 6:00 p.m.**

Friday, Aug 18, 12:00 noon – Soil Science Prof BBQ. Everyone is welcome to a free BBQ lunch. The Soil Science band will entertain. After the BBQ, there will be a 9-hole golf match at the Winnipeg Canoe Club (more information below).

Thursday, Aug 24 – Special Event at Investors’ Group Field. **Parking restrictions will be in effect for W lot starting at 6:00 p.m.**

Department Staff Away:

Don Flaten	Aug 21-23 (Guelph), Aug 23-Sep 1 (vac)
David Lobb	Sabbatical July 01 – December 31, 2017
Mario Tenuta	Sabbatical July 01 – December 31, 2017

News:

Prof BBQ and Golf Tournament on August 18

The new Prof BBQ activity this year is a golf tournament. We have booked the Canoe Club for a 2:00 p.m. start. Please add your name to those already signed up on the sheet in the main office. We will make up teams of 4 people and try to include at least one experienced golfer in each group. We will play a "best ball" format. This means that for each shot, the team can select the "best ball" and then all players hit their next shot from that location.

The cost is \$22, which can be paid at the Canoe Club when we arrive on August 18. With a best ball format, we will be able to share clubs, so if there are enough people with their own clubs, we should not need rentals.

Paper of the week:

Taylor, A.M., B.D. Amiro, M. Tenuta, and M. Gervais. 2017. Direct whole-farm greenhouse gas flux measurements for a beef cattle operation. *Agriculture, Ecosystems and Environment*. 239: 65-79.

Opportunities:

Executive Director, Canadian Association of Agri-Retailers, Winnipeg, MB

Reporting to the Executive Council of the Board of Directors, this position provides leadership and management to the activities of CAAR on an ongoing basis, and fulfills all other tasks required by the Board. The Executive Director serves the needs of the CAAR Staff, Board of Directors, and Association Membership.

Qualifications:

- A post-secondary education in an Agriculture or Business related program
- Well demonstrated experience working within the Canadian agricultural industry preferably with an agricultural retail background.
- An ability to communicate, listen and respond to concerns in a professional and clear manner with leaders of all manners of agricultural businesses
- Exceptional skills in translating a vision into action - prioritizing goals, business plan execution
- Experience in professionally representing the Canadian agriculture industry to the government

Please submit resume and cover letter no later than **August 15, 2017** to Martin Kiefer, CAAR Board Chair: Martin Kiefer mkiefer@agricocanada.com.

United Agri Products Job Opportunity, South Central Alberta

UAP is considering hiring a person to focus on the crop nutrition business possibly to be based out of the South Central Alberta area. UAP is looking for someone with excellent self-managed, customer and relationship focus mindset qualities but with a higher acumen towards crop nutrition, preferably someone who is comfortable with post emergent applications of nutrients. To find out more about the job opportunity, please email Ray Dowbenko (Ray.Dowbenko@agrium.com) with your contact information, so that he can relay that information to the people that are hiring for this position.

For more information about UAP, see <http://www.uap.ca/home.html>.

Agronomist, Valleyview Consumers Co-op Ltd., Virden and Pierson, MB

Valleyview Consumers Co-op Ltd. is now accepting applications for the position of Agronomist. As a member of our AG Team of agri-business professionals, the position will take a lead role in partnering with producers in the Virden and Pierson, MB area, assisting them in finding innovative solutions to help grow their business.

Qualifications:

- Degree or Diploma in agriculture or related field
- Candidates should be registered, or eligible for registration, with the respective provincial Professional Institute of Agrology
- Ability to work both independently and as a member of a highly motivated team
- Must be creative and resourceful
- Must have the ability to effectively communicate, both orally and written
- Hold a valid Driver's License
- A Certified Crop Advisor designation is considered an asset

More information: [click here](#). Forward a detailed resume to: Valleyview Consumers Co-op Ltd., Attn: Human Resources, Box 550 Virden, MB R0M 2C0, Email: M.Barkley@valleyview.coop, Fax: 204-748-3436, Website: <http://valleyview.coop/wps/portal/crs/valleyview/>.

Soil Scientist/Agronomist, Soil Health Institute, Raleigh, NC

Seeking an experienced, professional Soil Scientist/Agronomist with expertise in both fields for a 1-3 year term appointment, per annual performance contracts. The incumbent will serve as a Project Manager, managing SHI's initiative to identify and develop widely acceptable soil health measurements, standards, and a comprehensive evaluation program that relates soil health evaluation to quantified productivity, economic and environmental outcomes.

Duties include:

- engagement with selected long-term agricultural research site leaders in the U.S., Canada, and Mexico to evaluate soil health measurements and their relation to productivity, economic, and environmental outcomes;
- securing a competitively awarded contract with an analytical laboratory for conducting prescribed soil health analyses following established QA/QC criteria;
- oversight of soil sampling and data collection from partnering locations;
- development of critical analysis and review of SHI Tier 1-3 measurements as well as existing soil health evaluation programs;
- oversee the integration of information gained from this project into a definitive, comprehensive soil health evaluation program for the nation; and
- prepare and publish findings for scientific and agricultural producer/field practitioner audiences.

A Ph.D. in Soil Science and/or Agronomy with demonstrated research experience linking both fields, is required. Research-level expertise in soil health, agronomy, agricultural production and resource management practices is required. Residence during the appointment at the Soil Health Institute's office near Research Triangle Park is preferred but negotiable. Position will report to SHI's Chief Scientific Officer. Compensation to be commensurate with experience.

To apply, send a letter of application, curriculum vitae, list of publications, and the names/contact information of four references by **September 10, 2017** to Mr. Byron Rath: brath@soilhealthinstitute.org. Please include "Project Manager" in the email subject line.

Precision Agronomist, Farmers Edge, Winnipeg, MB

Reporting to the Hub Operations Manager, the Precision Agronomist is the key role responsible to deliver agronomic support to growers in the region.

Duties may include the following:

- Describe Farmers Edge Precision Solutions products to growers and channel partners, understanding value proposition for each segment in different regions.
- Use remote sensing and satellite imagery, interpreting data to create quality Farmers Edge zone maps by fields, using proprietary software.
- Use GPS, and maps to complete precision soil sampling procedures, acting as lead expert and backup for Seasonal Soil Samplers.
- Interpret soil test results from Farmers Edge Labs or chosen regional contract laboratory.
- As a subject matter expert, utilizing Farmers Edge Tool Set (Zone Calculator/Recommendation Engine/Virtual Soil Testing) to create and/or approve fertilizer, fungicide and seeding recommendations (Rx) prescriptions.
- Provide support in collecting and completing contract requirements with growers.
- Collect Equipment IDs
- Field plans including legal land description and crop rotations
- Historical info such as As-applied data.
- Develop working relationships to provide support to Regional Agronomists in Pro System training as well as 3rd party representatives and channel partners.
- Work with growers to provide agronomic support to interpret yield variability maps, identify potential stress or pressure in the field, for further scouting investigations for R&D.
- Collect data for Verification/Super Sites and variety evaluation trials with representatives support.
- Using preferred Farmers Edge scouting software, Collect data as per identified protocols for R&D verification Site, Supersite, and Variety Evaluation Trials. (VETs)
- Other sites for yield, disease model validation.
- Work with Regional Customer Relationship Managers and Solution Sales Specialists to help drive sales including reconcile grower concerns on fertility, fungicide or seeding recommendation (Rx) as required.
- Support other hub personnel such as Precision Tech Specialists at times. Set up weather stations and help with data collections from the field.
- Understand and participate in the Farmers Edge business plan and strategies to achieve operational and personal successes.
- Travel throughout territory as required.
- Other duties as assigned.

Education and Experience:

- Bachelor's degree or diploma in Agriculture.
- CCA accredited candidates preferred. Candidates without will be expected to complete this designation.
- Strong understanding of agronomy and/or precision agronomy including but not limited to;

- Cropping systems and farming practices in the region
- Fertilizer types and blends
- Seed and drainage regulations
- Location farm equipment.
- Previous experience doing data collection for R&D purposes, growth staging, recognizing disease, weeds, growth, and other environmental pressures.
- This position requires registration with the Agrologists Institute in the applicable province of operation.
- Understanding of basic meteorological data and how it relates to crop production.
- Technologically inclined.
- Strong customer service skills and problem solving abilities.

Farmers Edge offers a very competitive compensation package. Salary dependent on qualifications and skill. Attractive performance bonus along with health benefits, retirement plan and company vehicle.

Please visit Farmers Edge application page to apply ([click here](#)).

Events:

Manitoba Soil Science Society summer tour, Aug 17, 2017

Thursday August 17, 7:30-5:30. Theme: " Reducing Tillage, Recycling P and Recovering Soil Structure".

The bus is full for the MSSS Summer Tour on August 17th! New registrations for the tour are still welcome, but new attendees are responsible for their own transportation at a reduced registration cost of \$85.

Featuring soils around Portage la Prairie and McGregor. Highlights include P recovery at the Portage Water Pollution Control Facility, soil management practices for vegetable crops, measuring soil improvement with cover crops and strip tillage for row crops. Test your soils knowledge at our 3 soil pits with our "pit crew" to win prizes. CCA credits available: 5.0 in Soil and Water Management and 0.5 in Nutrient Management.

For more info email Christine.Rawluk@umanitoba.ca.

Canadian Science Publishing, 2nd Annual Image Contest

Canadian Science Publishing is now running its second annual image contest called Visualizing Science 2017. The contest runs from August 1st to 31st.

To learn more about the contest, you can read all the details at the Canadian Science Publishing Blog: <http://www.cdnsiencepub.com/blog/2017-csp-image-contest-visualizing-science.aspx>.