

MSc Position Announcement
Optimizing Nitrogen Use Efficiency for Irrigated Processing Potato
Soil Ecology Laboratory
University of Manitoba, Canada

The laboratory for the Canada Research Chair in Applied Soil Ecology (<http://soilecology.ca/>) at the University of Manitoba is seeking highly motivated and talented candidates for MSc training in nutrient cycling and Soil Ecology. The student will undertake graduate research in the area of evaluating 4R (right rate, timing, source and placement) of nitrogen fertilizer for optimized yield and quality of processing potato. Our recent research has shown delaying N availability by controlled release or fertigation to increase yield and N use. The student will take the project to the next stage of optimizing fertigation scheduling and sources of N as well as determine ammonia losses. A four-year undergraduate degree in Agroecology, Agronomy, Biology, Environmental Science and Soil Science are preferred. The candidate will have excellent oral and writing abilities in English. Salary is a \$18,500/yr CDN for two years. The position and research is funded by research grants to the laboratory under the Canadian Horticultural Council Potato Science Cluster program.

The Canada Research Chair in Applied Soil Ecology is very active nematode and soil ecological research with state-of-the-art facilities and a diverse array of multidisciplinary projects in nutrient management, plant disease management, and ecology. The laboratory employs 4 permanent technicians, and routinely 2-3 Research Associates, 5-10 graduate students, and 10-15 summer students/term technicians. The University of Manitoba is in the City of Winnipeg, with a vibrant metro area of 750,000 people and is less than an hour by car to Prairie, Boreal and Canadian Shield landscapes, and the U.S.A. For more information on this opportunity please send a detailed CV, statement of relevant experience, availability, and list of three referees by email to Dr. Mario Tenuta, Canada Research Chair in Applied Soil Ecology, mario.tenuta@umanitoba.ca. The position is immediately available and closes April 30, 2015 or when a candidate is chosen. Canadian residences and citizens are preferred only because they can start immediately to full-fill funding terms of the project. Qualified international applicants will be considered but a delay in start is taken into account in the assessment because of Visa requirements. In many cases, Visa approval can be in excess of six months preventing consideration.