

# **Biology and Epidemiology of the Stem Nematode, *Ditylenchus weischeri***

## **Graduate Student Position Announcement**

### **Applied Soil Ecology Laboratory of the Department of Soil Science, University of Manitoba, Canada**

The laboratory for Applied Soil Ecology at the University of Manitoba (<http://soilecology.ca/@soilecologyUMan>) is seeking highly motivated and talented candidates for training leading to M.Sc. or Ph.D. degrees. Students will undertake graduate research in understanding the life-cycle development and reproduction of the stem nematode, *Ditylenchus weischeri* in a range of horticultural crops. The students will lead growth chamber and greenhouse studies using traditional isolation and identification as well as molecular analyses of nematode populations in plants. *In situ* staining and visualization of nematode in plant parts will be done to localize the development stages of the nematode. Candidates will have excellent oral and written skills in English and have completed a 4-year equivalent B.Sc. in the agricultural or natural sciences. Graduate stipends of \$19,500/yr for two years to M.Sc. students and \$22,000/yr for four years to Ph.D. students are available. The training is funded by government, and industry sources to projects lead by the Applied Soil Ecology Laboratory.

The Applied Soil Ecology Lab is very active in soil ecological research with state-of-the-art facilities and a diverse array of multidisciplinary projects in nutrient management, plant disease management, and soil ecology of major field and horticultural crops in Manitoba. 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 and their contact information by email to Dr. Mario Tenuta, Professor of Applied Soil Ecology at [mario.tenuta@umanitoba.ca](mailto:mario.tenuta@umanitoba.ca). Please use the subject heading "Graduate Studies Nematology". The Applied Soil Ecology Laboratory is committed to a training environment with gender equality, diversity, and encouragement of participation of First Nations and Metis peoples and minorities.