

Zachariah Telfer

School of Environmental Sciences - University of Guelph, 50 Stone Rd E, Guelph, ON N1G2W1
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Education

- 2014-Present **M.Sc.**, School of Environmental Sciences, University of Guelph, Guelph, ON
Thesis: Improving management of the carrot weevil through investigating population dynamics, reduced risk chemical control, and natural enemy diversity.
Supervisor: Dr. Cynthia Scott-Dupree and Dr. Mary Ruth McDonald
- 2010-2014 **B.Sc.**, Environmental Biology, University of Guelph, Guelph, ON
Thesis: Investigating a potential biological control agent for two invasive dipteran pests
Supervisor: Dr. Rebecca Hallett and Dr. Justin Renkema

Employment

- Winter 2016 **Teaching Assistant** (ENVS*4100/6540 IPM of Invasive Insect Pests)
Fall 2015 **Teaching Assistant** (ENVS*3040 Natural Chemicals in the Environment)
Winter 2015 **Teaching Assistant** (ENVS*2130 Eating Sustainably in Ontario)
Summer 2014 **Collections Technician**, Biodiversity Institute of Ontario, Guelph, ON
April 2013-April 2014 **Entomological Research Assistant**, University of Guelph, Guelph, ON
August 2012-Present **Server**, Cassoulet Catering, Aberfoyle, ON
Summer 2012 **Nursery Worker**, Winkelmolen Nursery, Lynden, ON

Volunteer Experience

- May 2014 Insect Collector and Identifier – Ontario Bioblitz
October 2013 Volunteer - Entomological Society of Canada-Entomological Society of Ontario Joint Annual Meeting
Fall 2013 Teaching Assistant Aide (BIOL*1070 Discovering Biodiversity)

Awards and Scholarships

- April 2016 University of Guelph Dean's Scholarship
April 2016 Arthur D. Latornell Graduate Research Travel Grant
February 2016 Ontario Fruit and Vegetable Conference – 1st Place Student Poster Prize
January 2016 Entomological Society of Canada Travel Award for the 2016 XXC International Congress of Entomology
January 2015 University of Guelph Dean's Scholarship
November 2014 Ontario Pest Management Conference - C. Ron Harris Award for Best Undergraduate Poster.
September 2010 University of Guelph Entrance Scholarship

Scientific Contributions

Refereed Publications

C. Scott-Dupree, **Z. Telfer**, J. Lemay, S. Blatt, and M.R. McDonald. *In Review*. Carrot Insect Pests: Biology and Management. In Encyclopedia of Pest Management. Published by Taylor & Francis, New York.

J.M. Renkema, **Z. Telfer**, T. Gariepy, and R.H. Hallett. 2015. *Dalotia coriaria* as a predator of *Drosophila suzukii*: functional responses, reduced fruit infestation and molecular diagnostics. *Biological Control*, 89: 1-10.

Non-Refereed Publications

Z. Telfer, J. Lemay, M.R. McDonald, C. Scott-Dupree. 2016. Field Evaluation of seed treatment insecticides for control of carrot weevil and carrot rust fly in carrot, 2015. University of Guelph Muck Vegetable Cultivar and Research Report, 2015.

J. Lemay, **Z. Telfer**, C. Scott-Dupree, K. Vander Kooi, and M.R. McDonald. 2016. Evaluation of an existing Integrated Pest Management program for carrot rust fly and carrot weevil on carrots, 2015. University of Guelph Muck Vegetable Cultivar and Research Report, 2015.

Z. Telfer, J. Lemay, M.R. McDonald, C. Scott-Dupree. 2016. Field Evaluation of seed treatment insecticides for control of carrot weevil and carrot rust fly in carrot, 2015. Pest Management Research Report, 2015.

J. Lemay, **Z. Telfer**, C. Scott-Dupree, K. Vander Kooi, and M.R. McDonald. 2016. Evaluation of an existing Integrated Pest Management program for carrot rust fly and carrot weevil on carrots, 2015. Pest Management Research Report, 2015.

Oral Presentations

Z. Telfer, M.R. McDonald, C. Scott-Dupree. 2016. Evaluating carrot weevil management in the Holland Marsh. Muck Vegetable Growers Conference, Bradford, ON. April 12, 2016. *Invited Speaker*.

Z. Telfer, M.R. McDonald, C. Scott-Dupree. 2015. Improving chemical control of the carrot weevil in Ontario. Entomological Society of Canada Annual General Meeting, Montreal, QC. November 8-11, 2015.

Z. Telfer, C. Scott-Dupree and M.R. McDonald. 2015. Improving management of the carrot weevil in Ontario. International Carrot Conference, Alliston, ON. September 16, 2015.

Z. Telfer, C. Scott-Dupree and M.R. McDonald. 2015. Pest management of the carrot weevil. Muck Vegetable Growers Conference, Bradford, ON. April 8, 2015. *Invited speaker*.

Z. Telfer, J.M. Renkema, T. Gariepy, and R.H. Hallett. 2014. *Dalotia coriaria* as a predator of the invasive fruit pest *Drosophila suzukii*: functional responses, reduced fruit infestation and molecular diagnostics. Entomological Society of Ontario Annual General Meeting, Toronto, ON. October 5, 2014.

R.H. Hallett, J.M. Renkema, **Z. Telfer**, and T. Gariepy. 2014. *Dalotia coriaria* as a predator of the invasive fruit pest *Drosophila suzukii*. Entomology Society of Canada Annual General Meeting, Saskatoon, SK. October 1, 2014.

Poster Presentations

Z. Telfer, M.R. McDonald, and C. Scott-Dupree. 2016. Carrot weevil lacking effective chemical control options in Ontario. Ontario Fruit and Vegetable Conference, Niagara Falls, ON. February 17-18, 2016.

Z. Telfer, M.R. McDonald, and C. Scott-Dupree. 2015. Carrot weevil lacking effective chemical control options in Ontario. Ontario Pest Management Conference, Guelph, ON. November 12, 2015.

Z. Telfer, M.R. McDonald, and C. Scott-Dupree. 2015. Examination of the relationships between yearly carrot weevil damage and weather in Ontario. International Carrot Conferences, Alliston, ON. September 14-17, 2015.

Z. Telfer, M.R. McDonald, and C. Scott-Dupree. 2015. What's the secret to carrot weevil control? Production Systems - Plants Research Day, Guelph, ON. March 18, 2015.

Z. Telfer, M.R. McDonald, and C. Scott-Dupree. 2015. Why has consistent control of the carrot weevil been so elusive? Ontario Fruit and Vegetable Convention, Niagara Falls, ON. February 18-19, 2015.

Z. Telfer, J.M. Renkema, T. Gariepy, and R.H. Hallett. 2014. Investigating *Dalotia coriaria* as a biological control agent for *Drosophila suzukii*, a new invasive fruit pest. Ontario Pest Management Conference, Guelph, ON. November 13, 2014.

Professional Development

- Completed Ontario Grower Pesticide Safety Course (April 2015)
- Completed Dow-Agro Sciences Media Skills Training (April 2015)
- Member of the Entomological Society of Ontario, Entomological Society of Canada, and Entomological Society of America