



ses

school of environmental sciences

The Research Seminar Presentation by

Alexandra Stinson

will be held on

Tuesday February 27th, 2018

At 1:00 pm

ALEXANDER HALL 265

Improving the sustainable management of carrot weevil (*Listronotus oregonensis*) and carrot rust fly (*Psila rosae*) in the Holland Marsh, Ontario

Abstract

Carrot production plays a significant role in the Canadian vegetable industry, but both carrot weevil and carrot rust fly cause direct damage to the harvestable crop resulting in up to 40% of yield losses. Decreasing control efficacy using current integrated pest management recommendations is due to both the increase in pest resistance to phosmet – the primary chemical control used by carrot growers in the Holland Marsh for these insect pests – and the emergence of novel behavior in carrot weevil. This research project is designed to investigate effective, reduced risk insecticides and possible cultural controls of carrot weevil and carrot rust fly, and improvements to the current field monitoring of carrot weevil. With a reduction in insect damage, carrot production in Ontario will yield higher quality carrots, increased and more consistent yields, and decreased grading costs.

Everyone is welcome to attend

(This is a Research Proposal presentation by students in ENVS*6900)