



# ses

school of environmental sciences

The Research Seminar Presentation by

**Kaelyn Hunter**

will be held on

**Tuesday November 17, 2015**

**At 10:30 am**

**ALEXANDER HALL 337**

**Title: Sustainable management of brown marmorated stink bug: phenology and chemical control in Ontario.**

### Abstract

Brown marmorated stink bug (BMSB), *Halyomorpha halys* Stål, is an invasive pest native to East Asia, whose spread into Canada and across Ontario has been thoroughly documented. It is a highly polyphagous insect that is capable of causing serious damage to economically important fruit, vegetable and row crops.

The aim of this research is to develop sustainable management tactics for BMSB in Ontario by characterizing its development under typical Ontario climatic conditions and evaluating novel insecticides that can control both adult and immature life stages. This study will evaluate the impact of single insecticides and mixes on both adult and immature stages of BMSB through direct and residual contact toxicity tests. As well, the development of BMSB in Ontario will be characterized by studying overwintering survival.

**Everyone is welcome to attend**

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