



ses

school of environmental sciences

The Research Seminar Presentation by

Katherine Keary

will be held on

Tuesday March 20th, 2018

At 1:00 pm

ALEXANDER HALL 265

**Conditioning of Nursery Plants Using Irrigation Management and
Mycorrhizae for Improving Post-transplant Success Rates**

Abstract

The objective of this study is to evaluate both mycorrhizae and water/fertilizer restriction treatments for their influence on a plant's ability to withstand transplant stress after a season of acclimation treatments. The 2018 field season is designed to address the conditioning of nursery plants with reduced irrigation and fertilizer rates as well as inoculation of the root zone with a mycorrhizae inoculum. The 2019 field season will be the assessment and monitoring of the relative performance of the plants in the post-transplant stage, to establish best management practices for irrigation and nutrient management that mitigate transplant stress and improve plant health and survival rates. Increased production efficiency will be critical in the coming years as costs associated with labour and energy are forecasted to increase. Further, uncertainty in resource availability (e.g., water) due to the effects of global climate change will also require improved production practices if the industry is to remain viable.

Everyone is welcome to attend

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