



ses

school of environmental sciences

The Research Seminar Presentation by

Matthew Rudland

will be held on

Tuesday March 20, 2018

At 3:00 pm

ALEXANDER HALL 265

Title: Differential disease resistance induced by biostimulants among four turfgrass species and cultivars.

Sclerotinia homoeocarpa is a destructive pathogen that causes dollar spot disease on closely mown turfgrass across temperate regions around the world. Most notably, this disease causes substantial aesthetic and economic damage to golf courses worldwide. Currently, the most effective method of preventing dollar spot is to apply fungicides throughout the growing season in frequent intervals. However, increased use of fungicides has caused growing concern due to the negative environmental impacts they can impose. A relatively new method of combatting dollar spot is the use of biostimulants, which are defined as any chemical or microbe, not including pesticides or nutrients, which have an enhancing effect on the growth and health of the plant when applied in small quantities. The objective of this proposed research is to determine if there are any significant differences between species and cultivars of commonly used turfgrass in response to biostimulant applications for dollar spot resistance.

Everyone is welcome to attend.

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