

Project #9013 – Interactions Between Fertilization & Pests of Vegetable Crops

BRIEF

DESCRIPTION

The interactions among different aspects of crop production, such as fertilization practices and pest pressures require further investigation.

This proposal is to support the wages and benefits of a full-time summer student to increase our ability to test the effects of fertilization practices on insect and disease pests of broccoli, sweet potatoes, and Asian vegetables, and to add phosphorus and potassium treatments to existing trials. Working with collaboration from OMAFRA specialists Jennifer Allen and Melanie Filotas, the student will be responsible for collecting data on insect and disease severity in all research plots. They will also assist the OMAFRA specialists if required in collecting specimens and information in the Norfolk County area on pest problems on crucifer crops.

This research will also provide information on the interactions between pest pressures and vitamin content of produce.

PROJECT

OBJECTIVE

- To identify the effects of fertilization practices on common and emerging pests of cole and low-acreage crops.
- To monitor and identify new and emerging pests of cole crops
- To identify the interactions between vitamin content and pest pressures in broccoli.