

Project #8781

Powdery Mildew Management in Fresh Peas

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Duration of Project: May 1, 2005 – December 1, 2007



I. Brief Project Description

Field research will be conducted to address the management of powdery mildew and other diseases of fresh market peas, using an integrated approach and involving researchers from different regions as well as OMAFRA extension staff. Control of powdery mildew is one of the main challenges facing pea growers, especially those who produce late season fresh market peas. To achieve control, growers must use an effective fungicide and apply it before infection takes place. Thus, the combination of effective fungicide and correct timing of the spray is critical.

The information gathered from this work will be used to support a label expansion for the fungicide Headline, which recently received registration on succulent peas, to determine the need for and optimal timing of fungicide sprays, and to support the registration of other fungicides for diseases on peas.

II. Project Objectives

Registration or Label Expansion of fungicides for the control of powdery mildew of fresh market peas, and other pea diseases including ascochyta blight. Potential fungicides are Headline (registered, but not for powdery mildew), Scala, Quadris and potassium bicarbonate.

Disease forecasting or Decision Support System to optimize timing of fungicide application for powdery mildew on early and late season fresh market peas, and determination of this timing will also provide control of other pea diseases.