

**Project #9020 IPM & Diagnostic Services  
Root, Bulb & Leafy Vegetables**

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**BRIEF  
DESCRIPTION**

**Disease and insect forecasting information for growers:**

This information will be provided throughout the growing season. We will program and download weather information from dataloggers, collate and summarize the information, run forecasting programs for diseases and insects, and prepare summaries and alerts for distribution to growers. This includes producing an agriphone message with information on the risk of diseases such as downy mildew, botrytis and white rot of onions, Sclerotinia and leaf blights on carrots, Septoria on celery and downy mildew on lettuce as well as other diseases. Information on the emergence and risk of onion maggot, carrot weevil, carrot rust fly, aphids and other insect pests.

**Identification and Diagnostics of diseases, insects and weeds**

Samples will be identified by sight while the grower waits or the grower contacted within 2 days of receipt, and the grower will be notified of the firm or tentative diagnosis. Where culturing of a pathogen or consultation is required for an insect or weed, the grower will be notified as soon as possible. Additional information about the pest and recommendations for management and control will be provided where ever possible. (Some pathogens, such as bacteria, can only be tentatively identified based on symptoms).

**PROJECT  
OBJECTIVE**

To provide disease and insect forecasting information to growers so they can make informed management decisions based on risk assessments. Information will be delivered through agriphone, email or fax messages. Information will be based on accepted disease and insect forecasting programs, observations at the Much Crops Research Station and field scouting.

To provide accurate and timely diagnosis of disease, insect and weed pests for growers of root, Bulb and leafy vegetables, so growers can make informed management decisions.