

Chastagner, G. and Elliott, M. The risk of asymptomatic *Phytophthora ramorum* infection on fungicide treated rhododendrons.

A number of systemic and contact fungicides have been shown to be effective in controlling *Phytophthora ramorum* development on several nursery crops. One of the concerns about using fungicides to manage this pathogen on nursery stock relates to the possibility that fungicides are masking symptom development, thus making it more difficult to detect infected plants during routine visual inspections and increasing the risk of spreading this pathogen on asymptomatic infected plants. Results from earlier artificial inoculation studies have indicated that Subdue MAXX and Insignia fungicides may pose a high risk of masking symptom development on rhododendron foliage. This research project will determine the risk that fungicide applications will mask symptom development on rhododendrons under commercial production practices and determine how long suppression of symptom development lasts following the cessation of fungicide treatments.