



Horticultural
Development
Company

New Project

HNS 180

Development of fungicide treatments for control of powdery mildew on rose and herbaceous crops

Project Number: HNS 180

Title: Development of fungicide treatments for control of powdery mildew on rose and herbaceous crops

Start and end dates: 01 April 2010 to 31 March 2012

Project Leader: Tim O'Neill

Project Co-ordinator: Bill Godfrey and Neal Wright

Location: ADAS Boxworth and one or more grower sites

Background and project objectives: Powdery mildew diseases of rose and herbaceous perennials are widespread, common and potentially very damaging diseases. Growers rely on fungicides in order to control these diseases and grow quality products in a cost-effective manner. Season-long effective control of mildew using established fungicides can be difficult to achieve. With frequent use of certain fungicides, there is a high risk that resistant mildew strains will be selected, resulting in reduced disease control. Recent work (HNS 156) has identified newer fungicides which are crop-safe and provide good control of mildew on field-grown *Crataegus* and *Quercus* seedlings.

The aim of this project is to build on the results of HNS 156 and develop crop-safe and effective fungicide programmes that provide sustainable control of powdery mildew on *Rosa* and some herbaceous crop species. Information on the persistence of mildew control from different fungicides will also be obtained to inform decisions on spray interval.

Further information

Email the HDC office (hdc@hdc.org.uk), quoting your HDC number, alternatively contact the HDC at the address below.

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