



Horticultural
Development
Company

New Project

PC 291

Protected ornamentals:
evaluation of control options for
bacterial diseases of pot plants

Project Number: PC 291

Title: Protected ornamentals: evaluation of control options for bacterial diseases of pot plants

Start and end dates: 1 July 2008 to 31 December 2011

Project Leader: Dr Tim O'Neill, ADAS Boxworth

Project Co-ordinator: Ms Fay Richardson, Coletta & Tyson Ltd. + steering group (TBC)

Location: ADAS, Boxworth, Cambs,
CSL, Sand Hutton, York
Oppermann Plants, Spalding, Lincs

Background and project objectives

Bacterial diseases of protected ornamental crops cause significant losses on individual nurseries. Notable examples are soft rot of cyclamen and numerous other crops caused by *Pectobacterium carotovorum*, bacterial leaf spot of poinsettia caused by *Xanthomonas axonopodis* and bacterial wilt of wallflower caused by *Xanthomonas campestris*. There are no products with a label recommendation for use in a growing crop to manage bacterial diseases, other than copper fungicides which have a limited effect only. This project aims to: (i) evaluate a range of chemical and biological interventions for their potential to reduce populations of three bacterial genera; (ii) determine efficacy of promising treatments for control of cyclamen soft rot and a bacterial leaf spot on another crop; (iii) assess the efficacy of some disinfectants used in the greenhouse environment against key bacterial genera; (iv) produce text and illustrations for a factsheet on control of bacterial diseases of protected ornamentals.

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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