



Agriculture & Horticulture
DEVELOPMENT BOARD



New Project

PO 011

Monitoring metalaxyl-M sensitivity in
Impatiens Downy Mildew isolates
from 2012 infections

Project Number: PO 011

Project Title: Monitoring metalaxyl-M sensitivity in Impatiens Downy Mildew isolates from 2012 infections

Project Leader: Dr Phil Jennings

Contractor: The Food and Environment Research Agency (Fera)

Industry Representative: Mike Smith, W D Smith & Son

Start Date: 1st April 2012

End Date: 30th September 2012

Project Cost: £2,670

SUBJECT TO CONTRACT

Project Summary:

Early and widespread introduction of a metalaxyl-M resistant strain of the pathogen responsible for impatiens downy mildew infections in commercial production in 2011 meant that the disease proved difficult to control. It is hoped the pro-active decisions made by the industry regarding production of cutting raised plants will minimise infections in 2012, however the risk of infection still remain. This small scale work aims to provide growers with:-

1. an early warning system for identifying metalaxyl-M resistance in any infections arising in 2012, in order to assist with decisions on suitable spray programmes,
2. guidance on the prevalence, persistence and geographical distribution of the metalaxyl-M resistant isolate compared to metalaxyl sensitive isolates in the wider environment.

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