



Agriculture & Horticulture
DEVELOPMENT BOARD



New Project

CP 74a

Environmental control of stock plant material as a contributory factor in adventitious root formation

(HDC Studentship)

Project Number:	CP 74a
Project Title:	Environmental control of stock plant material as a contributory factor in adventitious root formation (HDC Studentship).
Project Leader:	Dr Russell Sharp
Contractor:	Moulton College
Industry Representative:	Dr Neal Wright, Micropropagation Services Ltd
Start Date:	01/10/2010
End Date:	31/12/2013
Project Cost:	£64,650

Project Summary:

This project was previously titled: 'CP 074 - Exploiting ethylene and wounding signalling to promote adventitious root formation in hard to root ornamental species'; however due to developments during the term of the Studentship, the focus of the work turned to concentrate on environmental conditioning rather than ethylene and wounding to improve rooting

Benefits to industry

Transfer of the student's findings via the HDC would lead to improved rooting procedures on nurseries and reduced loses in rooting hard-to-root species. This in turn would vastly reduce the labour and material costs involved with taking cuttings that subsequently fail to root. Reduced levels of rooting failure also reduces the quantity of decaying material present in a propagation unit, and could lead to lower incidents of fungal diseases such as cutting 'foot rot'.

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