Title Effects of 6-benzylaminopurine treatments on the longevity of harvested Grevillea 'Sylvia' inflorescences

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Citation Plant Growth Regulation 43 (1): 9-14. 2004.

Keywords BA (6-benzylaminopurine); Ethylene; G. Sylvia; Longevity, Senescence

Abstract

Exogenous treatments with cytokinins, such as 6-benzylaminopurine (BA), can delay senescence of someplant tissues. Grevillea 'Sylvia' inflorescences have a short vase life. BA supplied in vase solutions at up to0.1 mM did not delay senescence of G. 'Sylvia' inflorescences. However, BA applied by dipping at concentrations up to 10 mM extended their vase life (longevity). Senescence parameters of relative fresh weight, flower abscission, flower opening, flower discolouration and flower wilting were all suppressed by BA dips. Dip treatment with BA (1 mM) was effective on G. 'Sylvia' inflorescences at three different maturity stages.