

# **The control of Phytophthora root rot of avocado with fungicides and the effect of this disease on water relations, yield and ring neck.**

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## **Abstract**

Avocado trees (cv. Fuerte) were protected from root rot caused by *Phytophthora cinnamomi* by foliar metalaxyl. Protected trees had higher xylem water sprays with phosethyl-A1 or soil applications of potentials and showed faster and more complete recovery from water stress during the evening than un treated root rot affected trees. protected trees had greater fruit yields and there was a correlation between the incidence of the physiological disorder ring neck and xylem water potential in trees.

**Keywords:** avocados; control; water relations; fosetyl; Metalaxyl; fungicides; xylem water potential; responses; Plant water relations; Plant diseases; fruit crops; plant pathology; plant pathogenic fungi; *Phytophthora cinnamomi*; fungi; *Persea americana*; Queensland; Australia;

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