

Phosphonic (Phosphorous) Acid Treatments Control Phytophthora Diseases in Avocado and Pineapple.

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Abstract

Trunk injections of partially neutralised solutions of phosphorous acid were very effective for the rehabilitation and protection of avocado trees infected by *P. cinnamomi*. Injections at flush maturity were more effective for the accumulation of phosphonate in feeder roots than when trees were actively flushing. Chemically compatible mixtures of phosphorous acid and zinc salts increased zinc leaf concn above the critical threshold concn (30 mg/kg DM). A single pre-harvest spray or 4 post-plant sprays of potassium phosphonate controlled root and heart rot of pineapple caused by *P. cinnamomi*. This paper was presented at the Phosphonic (phosphorous) acid workshop held at the University of Queensland, Brisbane, Australia, on 3 Jul., 1989.

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