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Mango (*Mangifera indica* L.)

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Abstract

Bacterial stem canker and fruit rot, caused by *Erwinia mangifera* and *E. carotovora*, is one of the most important diseases of mango in Venezuela, which affects mainly the commercial cultivars: Haden, Tommy Atkins, and Manzano. A trial was undertaken to evaluate the effect of four agrochemicals for control of the disease on mango cv. Haden. The experimental plot was localized in a representative commercial mango plantation in the Valencia lake basin, presenting high grade of disease severity. Six foliar sprays at two weeks intervals were applied to five trees selected for each treatment (including controls), starting at the blooming period. The products tested were: Agrimycin 17, Cuprimicin 500, Phyton 27 and Covinex Forte. The experimental design was completely randomized and the fruit damage was evaluated using a severity scale with 3 levels. Data were processed using Duncans Multiple Range Test, resulting five groups significantly different. The best results were obtained with Cuprimicin 500 presenting the lowest number of fruits affected with severity grade 3.

Keywords

Fungicides, control, bacteria

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