

Effect of Amino Acid on Panicle Length and Fruit Set of Tree Mangoes (Cultivar Tommy Atkins) in Semi Arid of North of Minas Gerais

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Keywords: mango, panicle, amino acid

ABSTRACT

The control of the vegetative growth and the adequacy of the time of production are two of the most important and challenging aspects of the modern and efficient handling of orchards. Paclobutrazol (PBZ) has shown itself as a product of great value for the mango culture, therefore the continuous use, causes a compacting in the panicle of the mango tree. This experiment was carried out in a mango orchard "Tommy Atkins", Nova Porteirinha, MG, Brazil. Twenty uniform and healthy plants were selected, after that 20 branches in each plant were labeled. Three amino acid concentrations were tested, through foliates sprayings. The dose of 0,15% of amino acids represents the maximum economic efficiency in the length of panicles; with 30cm and the fruit setting was not affected by the amino acid application, specifically for product AMINON-25.

BIOGRAPHY

Marlon Cristian Toledo Pereira: A registered Agronomy engineer. His Doctor Science it is in Fruticulture by University of Viçosa, Brazil. Actually he is teacher of State University of Montes Claros, Minas Gerais, Brazil.

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