

Abstract:

Generally, agricultural lands are impoverished and it is necessary to apply high doses of agrochemicals, which in turn pollute significantly the ecosystem. Therefore, in order to make agriculture sustainable, it is necessary to implement a balanced and responsible use of organic agriculture or minimal use of fertilizers and chemical pesticides and a better use of the available natural systems. Hence, the objective of this work was to test the effect of the application of the biofertilizer Maya Magic (MM), clearing and bagging on some quality characteristics of mango 'Kent' at fruit set, leaving 1 or 2 fruits per panicle, performing 4 to 5 intermitents shakings per branch and eliminating the fruitless inflorescence axes. The attained results indicate significant difference between treatments; fruits with MM, registered the highest total soluble solids content (10.4 ° brix); the highest resistant to penetration (8.3 pounds) occurred with mere bagging and the highest weight per fruit (452 g) was obtained when applying MM and leaving 1 fruit per panicle, whereas the lowest weight (397 g) per fruit was registered in the conventional control. It was observed that with a timely elimination of the rachis, that did not fasten flowers or fruits, more weight was accumulated on the harvested fruit.