



## Research Paper

### Article history :

Received : 08.08.2013

Revised : 29.09.2013

Accepted : 13.10.2013

# Influence of pre-harvest foliar application of micronutrients and sorbitol on pollination, fruit set, fruit drop and yield in mango (*Mangifera indica* L.) cv. ALPHONSO

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**ABSTRACT :** An experiment was carried out to study the influence of pre-harvest foliar application of calcium (0.06 %), boron(0.02%) and sorbitol (2 %) along with a control on pollination, fruit set, fruit drop, fruit growth parameters and yield of mango cv. ALPHONSO. The result revealed that maximum pollen viability (89.69%), germination (56.30%) and pollen tube growth (158.99µm), fruit set at pea stage (0.66%), fruit retention (2.23%), fruit length (9.98 cm), breadth (7.86 cm), weight (268.29 g), fruit volume (258.24 cc), number of fruit per tree (166.00) and yield per tree (44.60 kg) and minimum fruit drop (97.77%) were obtained under the foliar spray of boric acid (0.02%).

**KEY WORDS :** Mango, Pre-harvest spray, Micronutrient, Pollination, Fruit set, Yield

**HOW TO CITE THIS ARTICLE :** Sankar, C., Saraladevi, D. and Parthiban, S. (2013). Influence of pre-harvest foliar application of micronutrients and sorbitol on pollination, fruit set, fruit drop and yield in mango (*Mangifera indica* L.) cv. ALPHONSO. *Asian J. Hort.*, 8(2) : 635-640.