



## Research Paper

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# Influence of foliar application of chemicals and anti-transpirants on black tip incidence, yield and physico-chemical characteristics of mango cv. DASHEHARI

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**ABSTRACT :** An experiment was conducted at the orchard of Division of Fruit Science, SKUAST-J for the study of chemical control of black tip in mango cv. Dashehari. The trial was laid out in randomized block design with three replications. Five chemicals/antitranspirants viz., borex, washing soda, caustic soda, phenyl mercuric acetate (PMA) and kalonite were sprayed at different concentrations. The pooled data of two years revealed that the application of washing soda and caustic soda with 1.0 per cent concentration at flowering and fruiting stage significantly reduced the incidence of black tip as compared to control. Application of borex at 1.0 per cent significantly increased the fruit yield (15.42 kg/tree), fruit length (9.91 cm), fruit breadth (5.95 cm), fruit weight (153.79 g), fruit volume (151.99 cc), pulp weight (103.78 g), stone weight (28.55 g), flesh firmness (57.74 N) and TSS (17.57 %) in comparison to control.

**KEY WORDS :** Mango, Chemicals, Anti-transpirants, Black tip, Yield, Quality

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