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Effect of salicylic acid and humic acid on flowering, fruiting, yield and quality of mango (*Mangifera indica* L.) cv. KESAR

■ C.R. NGULLIE¹, R.V. TANK AND D.R. BHANDERI²

AUTHORS' INFO

Associated Co-author:

¹Department of Fruit Science,
ASPEE College of Horticulture and
Forestry, Navsari Agricultural
University, NAVSARI (GUJARAT)
INDIA
Email: chonchf@gmail.com

²Department of Vegetables Science,
ASPEE College of Horticulture and
Forestry, Navsari Agricultural
University, NAVSARI (GUJARAT)
INDIA
Email: darshanbhanderi@yahoo.com

Author for correspondence: R.V. TANK

Department of Fruit Science, ASPEE
College of Horticulture and Forestry,
Navsari Agricultural University,
NAVSARI (GUJARAT) INDIA
Email: tank.ramesh@yahoo.in

ABSTRACT: An experiment was conducted at Regional Horticultural Research Station, Navsari Agricultural University, Navsari (Gujarat) during 2012-2013 to assess the effect of salicylic acid and humic acid on flowering, fruiting, yield and quality of mango (*Mangifera indica* L.) cv. Kesar. The experiment consisted of seven treatments viz., T₁ (control, water spray), T₂ (1500 ppm salicylic acid), T₃ (2000 ppm salicylic acid), T₄ (2500 ppm salicylic acid), T₅ (0.1% humic acid), T₆ (0.2% humic acid) and T₇ (0.3% humic acid). Results revealed that foliar application of 2000 ppm salicylic acid (T₃) was found better with respect to number of male and hermaphrodite flowers per panicle, hermaphrodite flower to male flower ratio (0.32), fruit retention per panicle (1.40), number of fruits per tree and quality parameters like TSS, titrable acidity and sugar. However, foliar application of 0.1 per cent humic acid (T₅) was beneficial for improving the fruit weight and yield.

Key Words : Salicylic acid, Humic acid, Hermaphrodite flower, TSS

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