

EFFECT OF BEST PLANT BIO-REGULATORS AND MICRONUTRIENT FOR ACHIEVING HIGHER YIELD AND QUALITY OF MANGO (*MANGIFERA INDICA* L.) FRUITS CV. AMRAPALI

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Abstract: An investigation was carried out on 19 years old plantation of mango (*Mangifera indica* L.) cv. Amrapali at C.S.A.U.A.&T., Kanpur (U.P.) India, during the year 2013-2014. In all, 15 treatments foliar application of plant bio-regulators and micronutrient were tested in RBD design replicated thrice. The result obtained revealed that the foliar application of GA₃ (40 ppm) + ZnSO₄ (1.0%) results in significantly more fruit length, fruit width, fruit weight and pulp per cent with decrease in stone per cent. Increased total soluble solids (^oBrix), total sugars (%), ascorbic acid (Vitamin C) were also found maximum with the same treatment viz., pre-harvest application of GA₃ (40 ppm) + ZnSO₄ (1.0%) and acidity in the fruit was drastically reduced under this treatment.

Keywords: Mango, GA₃, NAA, Zinc sulphate, Yield, Quality

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