

## **Effect of integrated nutrient management on physico-chemical properties of guava cv. Allahabad Safeda**

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**ABSTRACT :** A field experiment was carried out in the guava orchard of a progressive farmer, Barehi, Allahabad Road, Rewa (M.P.) during 2015 and 2016 to study the INM on physico-chemical properties of guava. The significantly highest fruit diameter or width (7.64 cm), fruit length (6.87 cm), fruit volume (166.4 ml), pulp thickness (1.39 cm), pulp weight (173.8 g) and seed weight (6.21 g), pulp percentage (96.2%), pulp-seed ratio (76.05) were recorded with the application of T<sub>13</sub> (50% NPK + 25 kg FYM + 5 kg vermicompost). This was followed by T<sub>7</sub> and T<sub>4</sub> treatments. The chemical properties viz., TSS, ascorbic acid, total sugars and pectin percentages in guava fruits were highest under the same T<sub>13</sub> treatment; the acidity was lowest. The influence of vermicompost in enhancing all these parameters was quite apparent.

**Key Words:** *Psidium guajava* L., Allahabad Safeda, nutrient management, physico-chemical property.