



RESEARCH ARTICLE :

Effect of integrated nutrient management on flowering, fruit set, fruit growth and yield of guava (*Psidium guajava* L.) cv. ALLAHABAD SAFEDA

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SUMMARY : An experiment was undertaken at the central field of Department of Horticulture, Allahabad school of Agriculture, SHIATS, Allahabad (U.P.) during 2012(July) – 2013(January) with the entitled “Effect of Integrated Nutrient Management on Flowering, Fruit set, Fruit growth and Yield of Guava (*Psidium guajava* L.) cv. ALLAHABAD SAFEDA”. The experiment was laid out in Randomized Block Design (RBD) with 10 treatments and 3 replications. For the investigation, different sources of organic and inorganic plant nutrients viz., FYM, *Neem cake*, Vermicompost, Urea, DAP, MOP and Micro nutrients (B and Zn) in different combinations were used. The result was revealed that investigation of organic manures and inorganic fertilizers along with micro nutrients was more effective in increasing fruit growth, yield and quality of guava than the inorganic fertilizers alone. Among the various combinations, treatment T₅ (50% Recommended dose of NPK (300g N: 100g P₂O₅:200g K₂O Per tree) + 15 kg FYM + 5 kg *Neem cake* + Micro nutrients (0.3% B and 0.3% Zn)) was found the best over all the treatments in respect to physical parameters like days to first flower initiation (24.67 days), fruit yield per tree (62.01 kg) and fruit yield per hectare (9.67 tonnes), respectively.

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