



RESEARCH ARTICLE :

Effect of boran and zinc along with different sources of organic and inorganic plant nutrients on quality parameters of guava (*Psidium guajava* L.) cv. ALLAHABAD SAFEDA

■ SRINIVAS MAMINDLA AND V. M. PRASAD

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SUMMARY : An experiment was conducted to study the effect of different sources of organic and inorganic plant nutrients on fruit growth, yield and quality of guava (*Psidium guajava* L.) cv. ALLAHABAD SAFEDA was undertaken at the central field of Department of Horticulture, Allahabad school of Agriculture, SHIATS, Allahabad (U.P.) during 2012 (July) – 2013 (January). 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 the 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 quality parameters like TSS (12.80 °Brix), ascorbic acid (224.89 mg/100 ml of juice), minimum acidity (0.31%), total sugars (11.08%), reducing sugars (6.10%), non reducing sugars (4.98%), sugar/acid ratio (35.90%) and shelf-life (13.33 days).

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Author for correspondence :

SRINIVAS

MAMINDLA

Department of
Horticulture, Sam
Higginbottom Institute
of Agriculture
Technology and
Sciences, ALLAHABAD
(U.P.) INDIA
Email: cnumamindla@gmail.com

See end of the article for
authors' affiliations