



RESEARCH PAPER

Interaction effect of boron and zinc on growth, yield and quality of guava (*Psidium guajava* L.) Cv. 'Lalit'

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Abstract : The present investigation was carried out at Agricultural Research Farm, Suresh Gyan Vihar University, Jaipur (Rajasthan) to study the effect of foliar application of boron and zinc on growth, yield and quality of guava (*Psidium guajava* L.) during the year 2022-23. The various concentrations of boric acid, zinc sulphate and their interactions had significant effect on various vegetative growth, yield and quality parameters and the maximum (22.07 cm) tree height increment, (70.39 cm) annual shoot growth, (215.96) fruits per tree, longest (8.74 cm) fruit length, (7.84 cm) fruit diameter, heaviest (264.20 g) fruit, yield (58.57 kg/tree) and (16.27 t/ha), (15.87%) TSS, (7.60%) total sugar, (268.25 mg/100 g) ascorbic acid and (1.36%) pectin was recorded under Boric acid @ 0.25% + ZnSO₄ @ 0.25% (T₁₁). The non-significant effects were observed in application of different combinations of boric acid and zinc sulphate on acidity percentage.

Key Words : Guava, Boron, Zinc, Growth, Yield

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