

Research Article

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Effect of sulphur and micronutrients (zinc and iron) on nutrient uptake, availability, yield and quality of cotton

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Summary

In a field experiment conducted on a Typic Chromustert at Main Agricultural Research Station, University of Agricultural Sciences, Dharwad, the yield of cotton was significantly influenced by the different levels and combined application of sulphur, iron and zinc. The treatment that received combined application of sulphur, iron and zinc each at 50 kg per ha recorded the highest seed cotton yield (25.12 q/ha) and the higher nutrient uptake S (21.30 kg/ha), Fe (1303 g/ha), Zn (252.3 g/ha), higher ginning percentage (43.00) and seed index (9.81 g) and lower available S (29.5 kg/ha), Fe (3.20 g/kg) and Zn (0.60 mg/kg) were noticed with the combined application of sulphur, iron and zinc each at 50 kg per ha.

Key words : Cotton, Micronutrients, Seed index, Lint, Ginning

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