

Effect of macro and micronutrients on soil properties under groundnut crop (*Arachis hypogaea* L.) in coastal sandy soils

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ABSTRACT

A field experiment was conducted at Agricultural College Farm, Bapatla during *rabi*, 2021-22 to study the effect of macro and micronutrients on soil properties under groundnut in coastal sandy soil. The results of the experiment revealed that the application of macro and micronutrients significantly influenced the available nutrient status of N, P, K, Ca, S, Zn and B. The highest values of N, K, S, Ca, Zn and B were recorded by the treatment T₅ (125% RDF + Soil application of ZnSO₄ @ 50 kg ha⁻¹ and Borax @ 10 kg ha⁻¹) and on par with T₄ & T₇ while the P availability was maximum with T₃ (125% RDF). Whereas the physico-chemical properties such as pH, EC, organic carbon and CEC and available nutrient status of Mg, Fe, Cu and Mn were not significantly influenced by the treatments.

Keywords: *Boron, Groundnut, Micronutrients, Soil, Zinc.*