



RESEARCH ARTICLE :

Effect of lime, zinc and boron on yield and nutrient uptake by soybean in lateritic soil

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SUMMARY : A field experiment was conducted at Botany farm, College of Agriculture, Dapoli Konkan (Maharashtra) to study the effect of lime, zinc and boron on soybean yield and uptake of nutrients. The experiment was laid out in randomized block design with three replications and the treatments included two levels of liming *i.e.* ½ L.R. and 1 L.R in combination with soil and foliar application of Zn and B singly or in combination. The soil of the experimental plot was lateritic (Alfisol) and acidic in reaction. It was very high in organic carbon, moderately high in available N, low in available P₂O₅ and very high in available K₂O. The soil was deficient to marginal in Zn and B. The results of the experiment showed significantly increased the grain (25.52 q ha⁻¹) and straw (37.29 q ha⁻¹) yield of soybean due to application of 1 L.R+ Zn +B through soil and foliar spray along with RDF. The uptake of N, P, K, Ca, Mg and S by soybean was also significantly increased by this treatment.

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