



RESEARCH ARTICLE :

Growth and yield of soybean [*Glycine max* (L.) Merrill] as influenced by foliar application of micronutrients and potassium nitrate

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SUMMARY : The experiment was conducted during *Kharif* season of the year 2015-16 at Experimental Farm, Department of Agronomy, College of Agriculture, Latur, to study the effect of foliar application of micronutrients and potassium nitrate on growth, yield and economics of soybean. The soil was clayey in texture, low in available nitrogen (108 kg ha^{-1}), low in available phosphorus (8.18 kg ha^{-1}), very high in available potassium (430 kg ha^{-1}) and slightly alkaline in reaction (7.45 pH). The experiment laid out in Factorial Randomized Block Design consisting three foliar applications both of micronutrients and potassium nitrate at different growth stages. Among different application of micronutrients, the application of micronutrients @ 0.5 % at 40 and 60 DAS (M_3) and among different application of potassium nitrate, application of KNO_3 @ 1 % at 60 DAS (K_1) produced significantly higher growth, yield contributing characters and yield of soybean.

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Soybean, Multi micro nutrient, Potassium nitrate

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