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Research Article

Response of groundnut to different levels of N and K with and without biofertilizers in relation to yield, quality and nutrient uptake

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Summary

The experiment was conducted to study the response of groundnut to different levels of N and K with and without biofertilizers in relation to yield, quality and nutrient uptake at farm of Pangari block of Irrigation of Scheme, CES Wakawali during *Kharif* -2008. The experiment was laid out in Randomized Block Design with eight treatments replicated thrice. The result indicated that the application of $N:P_2O_5:K_2O$ @ 25:50:30 kg ha^{-1} with biofertilizer has given superior result in pod yield, kernel yield, methionine content, crude fibre as well as total uptake of Ca, Mg and S. Also, significantly highest haulm yield, oil yield, protein content and total uptake of N, P and K were found in the treatment (T_8) *i.e.* 30:50:45 @ $N:P_2O_5:K_2O$ kg ha^{-1} with biofertilizers over the control.

Key words : Ground nut, Biofertilizers, Yield and quality, Nutrient uptake

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