Exploiting the production potential of groundnut by improved nutrient management in light-textured typic ustipsamment

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ABSTRACT : A field experiment was conducted during rainy season (Kharif) of 2006, 2007 and 2008 to evaluate the production potential of groundnut (*Arachis hypogaea* L.) by improved nutrient management in light- textured Typic Ustipsamment soil. Significantly superior pods/plant, pod weight/plant, shelling percentage, 100-kernel weight and pod yield were recorded by improved nutrient management over recommended dose of fertilizers. Among the mode of application, full basal and half basal at 40 days after sowing of N and K were found statistically at par. No significant differences were recorded by any treatment on growth attributes. Maximum pod yield (2056.92 kg/ha) was recorded with 150% N & K₂O of RDF+ ZnSO₄ @ 25 kg/ha along with recommended P & S applied as half basal and half at 40 kg days after sowing of N & K. The increase was 37.03 per cent over recommended dose of fertilizer.

Key Words: Pod yield, yield attributes, RDF, DAS.