

Effect of Integrated Nutrient Management on Soil Available Nutrient Status and Yield in Blackgram

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ABSTRACT

A field experiment was conducted at the Agricultural College Farm, Bapatla, during *kharif* 2017 to study the integrated phosphorus management in blackgram. The experiment was laid out in Random Block Design with eight treatments replicated thrice. The results revealed that application of 75% RDP along with FYM and seed inoculated PSB to blackgram crop significantly recorded highest yield *viz.*, seed and haulm yield at harvest. Among the various treatments of phosphorus with or without FYM and PSB the available nutrient status of N, K, Fe, Zn, Cu, Mn recorded highest with T₄ (RDNK + 75% RDP + FYM @ 5 t ha⁻¹).

Key words: *Blackgram, phosphorus levels, Farm yard manure, phosphorus solubilising bacteria.*