

Effect of nutrient management and biofertilizer on quality, NPK content and uptake of blackgram in medium black soil

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ABSTRACT

A field experiment was conducted at Instructional farm, Junagadh Agricultural University, Junagadh during *Kharif* season of 2007. The experiment comprised of twelve treatment combinations of three levels of recommended dose of fertilizer (A_0 -0% RDF, A_1 -50% RDF and A_2 -100% RDF) and two levels each of Farmyard manure (F_0 - No FYM, F_1 - FYM 6 t ha⁻¹). Significantly the 100% RDF + FYM 5 t/ha and biofertilizers inoculation with and without inoculation with *Rhizobium* sp. + *Pseudomonas striata* enhanced protein content, nitrogen, phosphorus and potassium content and uptake by blackgram as compared to rest of treatments.

Key words : Nutrient management, Biofertilizers, F.Y.M., Blackgram