

Effect of Organic Manures and Inorganic Phosphorus Fertilizer on Growth and Yield of Chickpea

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ABSTRACT

A field experiment was conducted to study the effect of organic manures and inorganic phosphorus fertilizers on soil health, growth and yield of chickpea at Agricultural College Farm, Bapatla. The experiment was laid out in Randomized Block Design replicated thrice. The results revealed that application of 100% RDP through biogas digest + microbial consortium (T₁₀) recorded significantly higher drymatter production, seed and haulm yield which was on par with the treatment that supplies 100% RDP through biogas digest (T₉). The lowest drymatter production and seed and haulm yield were recorded in the treatment which did not received any P fertilizer.

Key words: *Biogas digest, Growth and yield, Organic manures, Phosphorus fertilizer.*