

Effect of Biofertilizer Consortium along with Recommended dose of Fertilizers on Growth and Yield of Rice Fallow Sorghum

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ABSTRACT

A field experiment entitled “Effect of manures in combination with biofertilizer consortium on yield and quality of rice fallow sorghum” was conducted on clay loam soil of Agricultural College Farm, Bapatla during *rabi*, 2018-19. The experiment was laid out in a Randomized Block Design (RBD) and replicated thrice with seven treatments. The results indicated that increased levels of fertilizer doses along with biofertilizer consortium had significantly increased the plant height, drymatter production at all growth stages of sorghum under rice fallows. Days to 50% earhead emergence and days to maturity were not significantly influenced by the treatments. Grain and straw yields of sorghum differed significantly with varying levels of inorganic fertilizers along with biofertilizer consortium.

Keywords: *Biofertilizer, Growth and Yield.*