

Growth and Yield of Pearlmillet [*Pennisetum glaucum* (L.)] as Influenced by Integrated Nutrient Management Practices

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ABSTRACT

A field experiment conducted during *khari*, 2017 on sandy soil of Agricultural College Farm, Bapatla. Experiment was laid out in randomized block design with eight treatments and replicated thrice. The results indicated that the highest plant height at harvest (194.7 cm), dry matter production (566.0, 3068.0 and 6475.0 kg ha⁻¹ at 30, 60 DAS and harvest stages), number of earheads m⁻² (32.2), grain yield (1556.1 kg ha⁻¹), stover yield (3534 kg ha⁻¹) and highest benefit cost ratio (1.66) was recorded with 50 % RDN + 1.5 t ha⁻¹ PM + *Azotobacter* followed by 50 % RDN + 10 t ha⁻¹ FYM + *Azotobacter* and significantly superior to the rest of the treatments.

Key words : Pearlmillet, Integrated Nutrient Management, FYM, Poultry manure,