

Drymatter and Yield of Rice as Influenced by Organics and Inorganics of Nitrogen

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ABSTRACT

A field experiment was conducted at Agricultural College Farm, Bapatla, during *kharif* 2015-16 to find out the response of transplanted rice to nitrogen management through combined use of different organic sources and inorganic levels. Organic manures *viz.*, poultry manure, FYM and neemcake were used in this experiment. The experimental results indicated that highest drymatter accumulation (kg ha^{-1}) at maturity of rice was recorded with 50 per cent N applied as inorganic and remaining 50 per cent through poultry manure @ 125 per cent RDN and it was statistically at par with 125 per cent and 100 per cent N through only chemical fertilizers. The grain and straw yield of rice also followed the similar trend. Harvest index was not significantly influenced by the different nitrogen management treatments.

Key words: *Inorganic levels, Organic manures, Transplanted rice.*