

Nitrogen Management in Transplanted *ragi*

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ABSTRACT

A field experiment conducted during *rabi*, 2013-14 on sandy loam soils of Agricultural college farm, Bapatla on Nitrogen management in transplanted *ragi*. The experiment was laid out in Randomized Block Design with nine treatments replicated thrice. The results showed that the highest plant height, number of tillers, drymatter production, straw yield and N-uptake were observed with 125% RDN+ ST with *Azospirillum* @ 5kg ha⁻¹ + 0.2% Zn spray at flowering stage and yield attributes and yield were observed with 75% RDN+ 25% N through Vermicompost. However, the highest benefit cost ratio (2.5) was 100% RDN and hence was found to be optimum and economical for the production of white seeded transplanted *ragi*.

Key words : *Azospirillum*, FYM, Nitrogen management, *Ragi*, Vermicompost, Zn-spray.