

Influence of Different Sources of Nutrients on Available Nutrient Status of Soil after Harvest of Rice Crop

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ABSTRACT

A field experiment was conducted for two consecutive years (2011-2012 and 2012-2013) on fine texture soils of Agricultural college farm, Bapatla. The experiment was laid out in a randomized block design in *khariif* season with four treatments and replicated five times. The treatments consisted of M₁ (RDF - Control), M₂ (10t FYM ha⁻¹ + RDF), M₃ (1.5t vermicompost ha⁻¹ + RDF), M₄ (Green manuring + RDF). Data collected on available nutrient (N, P, K, Ca, Mg, Fe, Mn, Cu and Zn) status of soil after harvest of rice crop was significantly increased with the application of 100%NPK in combination with FYM @ 10t ha⁻¹. However, it was on par with that of green manuring together with 100% NPK during both the years of the study.

Key words : Available nutrients, Organic sources, Rice crop.