

Influence of Different Sources of Nutrients on Physico-chemical and Physical Properties of Soil in 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 laidout in a randomized block design in *kharif* 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 soil properties after harvest of rice crop viz., physic – chemical properties and physical properties were relatively improved 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 : Organic sources, Physico-chemical properties and Physical properties