

Soil available Nutrient Status as Influenced by Various Organics and Inorganic Fertilizers in Maize – Maize Cropping system

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ABSTRACT

A field experiment was conducted to evaluate the soil available nutrient status with the application of organic and inorganic source of nutrients during *kharif* and *rabi* seasons of 2008 and 2009 at the irrigated upland farm of Tamil Nadu Agricultural University, Coimbatore. The experiment was laid out in randomized block design with three replications and ten treatments. The results revealed that significant increase in soil available nitrogen, phosphorous and micro nutrients at the end of two years of cropping sequence was recorded with 100 per cent RDF supplied through poultry manure, while, higher soil available potassium was observed with the application of 100 per cent RDF through vermicompost.

Key words : Inorganics, Maize, Organics, Soil fertility.