Effect of Integrated Nutrient Management on the Status of Micronutrients in Long term Rice-rice Cropping System of Andhra Pradesh

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ABSTRACT

Soil micronutrient status was assessed under integrated nutrient management in long term rice-rice cropping system in Alfisols of southern Telangana zone of Andhra Pradesh for two consecutive years during 2005-06 and 06-07. The availability of micronutrients *viz*, Zn, Cu, Fe and Mn did not show distinct trend of improvement by the application of different levels of NPK through the fertilizers as compared to control. However, the availability of Zn and Cu enhanced significantly through the addition of FYM or *glyricidia* along with chemical fertilizers as compared to the entire nutrient supplements only through the fertilizers. The soil available Fe was in general on par due to the application of fertilizers alone or in combination with organic sources. The available Mn was not influenced by any treatment.

Key words : Alfisols, Integrated Nutrient Management, Soil micronutrients.