

Nutrient Status of Rice (*Oryza sativa* L.) Growing Soils In Vijayapuram Mandal of Chittoor District In Andhra Pradesh

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ABSTRACT

A survey was undertaken during the year 2011 to study the nutrient status of rice growing soils in Vijayapuram mandal of Chittoor district in Andhra Pradesh. One hundred and ten surface soil samples were collected in Rice-rice sequential cropping system and soil samples were analyzed in soil testing lab of our KVK. The analysis of the soils revealed that the texture of the soils varied from sandy loam to sandy clay loam, neutral to slightly alkaline in reaction, non-saline, low to medium in organic carbon and available nitrogen, medium to high in available P and K. The available Fe, Mn and Cu were found to be above their respective critical limits in all the soils. However, 40 per cent samples were deficient in available Zn. Simple correlation studies revealed that N was positively and significantly correlated with organic carbon. Available N, K and Mn were positively and significantly correlated with soil pH. DTPA extractable Zn was found to be positively and significantly correlated with electrical conductivity.

Key words : Correlation coefficient, Macronutrients, Micronutrients, Rice.