

# **Yield, Quality and Nutrient Uptake of Different Rice Varieties as Affected By FYM and Fertilizer Treatments**

**D Manasa Rani, Ch Pulla Rao, K Srinivasulu and PRK Prasad**

Department of Agronomy, Agricultural College, Bapatla 522101, Andhra Pradesh

## **ABSTRACT**

An investigation carried out on clay loam soil of Agricultural College Farm, Bapatla during *kharif* season of 2012 to study the effect of different treatments on increasing yield and improving grain quality of rice grain .. The findings of the experiment revealed that the higher grain yield, straw yield, harvest index and nutrients uptake was recorded with the variety, Akshaya (BPT 2231). Quality characteristics of Indra (MTU 1061) manifested supremacy over Swarnamukhi (NLR 145). Significant improvement in productivity and quality characteristics of rice was noticed with soil application of 10 t ha<sup>-1</sup> of FYM along with zinc through foliar spraying twice at panicle initiation and heading stages.

**Key words :** Foliar application, Nutrient Uptake, Rice varieties, Soil application, Quality, Yield.