

# **Effect of FYM and Zinc Nutrition on Growth, Yield and Grain Fortification of Different Rice Varieties**

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

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

## **ABSTRACT**

A field experiment was conducted at the Agricultural College Farm, Bapatla on a clay loam soil during *kharif* season of 2012 to study the effect of different treatments on improving the zinc content in the grain of different rice varieties. The findings of the experiment revealed that the higher grain yield, straw yield, harvest index and zinc content in rice grain were recorded with the variety, Akshaya (BPT 2231). Significant improvement in productivity and zinc content of rice grain in rice were noticed with soil application of FYM @10 t ha<sup>-1</sup> along with zinc through foliar spraying twice at panicle initiation and heading stages.

**Key words :** Foliar spray, Rice varieties, Soil application, Yield and Zn content.