

# **Yield, Zinc Uptake and Grain Fortification of Rice as Affected by Soil and Foliar Application of Zinc**

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## **ABSTRACT**

Field experiment conducted at the agricultural college farm, Bapatla during *kharif* season of 2011-12 revealed that highest grain yield and straw yield were recorded with soil application @ 50 kg ZnSO<sub>4</sub> ha<sup>-1</sup> +foliar application of 0.5% ZnSO<sub>4</sub> at MT+ PI+ flowering stages which proved significantly superior to rest of the treatments. Similarly, highest Zinc content in grain was recorded with the same treatment and proved significantly superior to rest of the treatments, which remained at a par among themselves. Similar trend was also noticed with respect of Zinc content in brown rice as well as in polished rice as that was observed with Zinc content in grain.

**Key words :** Foliar application, Soil application, Yield, Zinc and Grain fortification, Zinc uptake.