

## **Fortification of Zinc in Rice-Greengram Cropping System**

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### **ABSTRACT**

A field experiment was conducted during *kharif* and *rabi*, 2015-16 on clay loam soils of Regional Agricultural Research Station, Anakapalle to study the effect of fortification of zinc in rice-greengram cropping system. The results revealed soil application of 50 kg ZnSO<sub>4</sub> ha<sup>-1</sup> along with foliar application of 0.2% ZnSO<sub>4</sub> at panicle emergence to *kharif* rice significantly enhanced the growth parameters, yield attributes and yield by 11.6 to 15.9 per cent as compared to no application of zinc. Similarly, foliar application of 0.2% ZnSO<sub>4</sub> to rice fallow greengram at flowering significantly improved the yield and quality of rice fallow greengram besides realizing higher net returns and hence application of Zinc to rice-greengram system improved the productivity and quality of this cropping system.

Key words: *Net returns, Rice-fallow greengram, Yield, Zinc content.*