

# Effect of Cultivars and Time of Potassium Application on Yield Attributes, Yield, K-content and Uptake of Rice

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## ABSTRACT

A field experiment was conducted on a sandy clay loam soils of the Agricultural College Farm, Bapatla during *kharif* 2005 to evaluate the influence of cultivars and time of potassium application on yield attributes, yield, K-content and uptake of rice. Significant increase in yield attributes, yield and potassium uptake was observed with Swarna compared to other cultivars. Application of 40 kg K<sub>2</sub>O ha<sup>-1</sup> in three splits (50% as basal + 25% at active tillering + 25% at panicle imitation) significantly increased the productive tillers, panicle weight, filled grain panicle<sup>-1</sup>, test weight, grain and straw yield, K-content and uptake of rice.

**Key words** : Cultivars, K-content and Uptake, Potassium, Time, Yield, Yield Attributes.