

Yield and Quality of Rice as Affected by Cultivars and Time of Potassium Application

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ABSTRACT

An experiment involving different times of potassium application was carried out using different rice cultivars. The significantly higher grain yield and harvest index were recorded with Swarna. Grain quality parameters such as, head rice recovery and protein content were significantly superior to Samba Mahsuri compared to that of other cultivars. Application of potassium in three splits (50% as basal + 25% at active tillering + 25% at panicle initiation) significantly increased grain yield, straw yield and also significant improvement in head rice recovery and protein content was noticed in the treatment receiving potassium in three splits over entire as basal application.

Key words : Cultivars, Potassium, Protein content, Rice, Time, Quality, Yield.