

Effect of Different Organic Manures on Nutrient Uptake of Rice Grown in Saline Soils with Sub-Surface Drainage System

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ABSTRACT

A field experiment was carried out during *kharif*, 2005 to study the effect of different organic manures (FYM, Poultry manure, Pressmud, Green manure (dhaincha) and Green leaf manure (*Calotropis* sp.) on nutrient uptake of rice grown in saline soil with sub-surface drainage system using rice (var: BPT 1768) as test crop. The experiment was laid out in randomized block design (RBD) with four replications. The results revealed that the highest concentration and uptake of major nutrients viz. N, P and K were recorded with the application of FYM followed by green leaf manure, green manure, pressmud and poultry manure while the highest concentration and uptake of micronutrients viz. Zn, Fe, Mn and Cu were recorded with the application of FYM followed by green leaf manure, green manure, pressmud, poultry manure and control.

Key words : Nutrient uptake, Organic manures, Rice, Saline soils.