RELATIVE EFFICIENCY OF NEEM COATED UREA PRODUCTS FOR RICE GROWN IN DIFFERENT SOILS

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ABSTRACT

The field experiments conducted to assess the influence of neem coated urea products on yield and nitrogen use efficiency in rice grown in different soils at TNAU, Coimbatore (ADT 46) and SWMRI, Kattuthottam, Thanjavur (ADT 36) revealed that the highest per cent increase in grain yield over prilled urea was recorded under 0.1% neem gold coated urea, P₄ (19.9) and 0.2% neem gold coated urea, P₅ (20.4) in Noyyal and Madukkur soil series, respectively. Apparent nitrogen recovery was highest at P₃, P₄ and P₅. Thus, the application of 0.3% neem oil coated urea, 0.1% and 0.2% neem gold coated urea at 125 kg N ha⁻¹ to rice crop, increased the grain and straw yield and nitrogen use efficiency in Noyyal and Madukkur soil series in corporation to prilled urea.