

Machine Transplanted Rice as Influenced by Varieties and Age of Seedlings

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ABSTRACT

A field experiment was conducted during *kharif*, 2013 at Agricultural College Farm, Bapatla to find out the response of high yielding rice varieties and age of seedlings with machine transplanting. Four varieties *i.e.*, BPT 5204, BPT 2270, NLR 145 and BPT 3291 and three ages of seedlings viz., 2, 3 and 4 weeks old were tested in split-plot design with three replications. Results revealed that 2 weeks old seedlings recorded higher values of growth parameters, CGR, RGR, yield components and yield, which were on par with 3 weeks old seedlings, whereas lower values were recorded with 4 weeks old seedlings. The cultivar, BPT 2270 recorded higher plant height, tillers m⁻², drymatter, CGR, RGR and higher yield attributes, whereas higher test weight was recorded with NLR 145. Among the varieties tested, BPT 2270 registered overall increased yield followed by BPT 5204, NLR 145 and BPT 3291 with all the three ages of seedlings.

Key words : Age of seedlings, Machine transplanting of rice, Varieties of rice.