

GROWTH AND GROWTH ATTRIBUTES CHARACTER AND PRODUCTIVITY OF EARLY DURATION, MEDIUM DURATION AND HYBRID RICE ON INCEPTISOLS

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Abstract : The tallest plant at harvest was observed under T₆ (105.07 cm), which was at par with T₇ (103.83 cm). At harvest, a system with Mahamaya rice (T₄ and T₅) has produced as much as dry matter (30.48 and 30.52 g plant⁻¹) to that of Hybrid rice (30.72 and 30.64 under T₆ and T₇, respectively). At 30 DAT, the highest leaf area index (2.52) was found in T₆. At 60 DAT, the highest leaf area index (5.41 g plant⁻¹) was found in T₄. At 90 DAT, the highest leaf area index was found in T₄ system (5.89 g plant⁻¹). The maximum grain yield of rice (49.90 q ha⁻¹) was recorded under T₄ and the maximum straw yield (67.09 q ha⁻¹) was recorded in T₄. Harvest index did not differ significantly among all the three rice varieties.

Keywords : Early and medium duration rice, Growth attributes, Hybrid rice, Productivity

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