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 T4 and T5, 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 T6. Harvest index did not differ significantly among all the three rice varieties.

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

REFERENCES


