

Performance of *olitorius* Jute at Varied plant Density and Topping in Coastal Andhra Pradesh

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ABSTRACT

An experiment was conducted at Agricultural College Farm, Bapatla to assess performance of jute at varied plant densities and topping practices during *khariif*, 2019. It was carried out with JRO 524 (Navin) variety of jute, in a randomized block design with factorial concept and replicated thrice. Results indicated that maximum drymatter accumulation was recorded with a plant density of 83, 333 plants ha⁻¹(D₃) and topping at 45 DAS, which was on par with plant density of 2, 22, 222 plants ha⁻¹(D₂) and topping at 30DAS. More number of branches plant⁻¹ were noticed with density of 83, 333 plants ha⁻¹(D₃) and it was found on parity with 1,66, 666 plants ha⁻¹(D₁). Maximum seed yield and stalk yield were obtained with plant density of 83, 333 plants ha⁻¹(D₃) and it was found on par with a density of 2, 22, 222 plants ha⁻¹(D₂). Topping at 45 DAS, which was found at par with 30 DAS resulted in maximum seed yield which was found in par with toppling at 30DAS. harvest index was non-significant for both plant densities and topping practices in *olitorius* jute.

Keywords: *Jute, Plant density, Topping practices and yield.*