

Evaluation of Jamun Selections for Growth, Yield and Quality Parameters in Venkatagiri, Nellore District.

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ABSTRACT

Jamun has higher nutraceutical properties and has been proved as a upcoming fruit crop in the country. To harness the genetic variability in the existing seedling population being a cross pollinated fruit crop, 29 clones of Petlur Jamun Selections were evaluated for various physico-chemicals attributes. Significant variation was observed in the tree characters *i.e.*, trunk girth, tree height, canopy volume in different genotypes. The highest tree height was measured in PJS-16 and minimum in PJS-5. Maximum fruit weight (11.0 g) was registered in PJS-11 and minimum in PJS14. Wide variability for fruit length (2.6 to 3.5 cm), fruit breadth (2.16 to 2.53 cm), pulp stone ratio(2.75-3.18) in PJS-1 were observed. Maximum TSS/acid ratio (50.8), total sugar (17.3) and reducing sugars (14.2) was recorded in PJS-11 and minimum in PJS 16 recording 26.1, 11.0 & 7.6 respectively. PJS-11 had good eating quality because of high TSS content. Titratable acidity was found to be at the highest level of 0.60% in PJS-16 ,while it was found lowest (0.32 per cent) in PJS-11.

Keywords : *Jamun, nutraceutical, seedlings, underutilized, variability, windbreak.*