

Evaluation and Domestication of Lasoda Germplasm under Semi-arid Climatic Conditions of Rajasthan

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Abstract—Twelve lasoda germplasm the fruits of which are used to prepare pickle and vegetable are being maintained to study their growth and yield performance at AICRP on Arid Zone Fruits Centre, SKN College of Agriculture, Jobner. On the basis of germplasm performance recorded during 2016-17, out of these Twelve lasoda germplasm JL-07 exhibited maximum plant height (5.77 m) , maximum leaf area(86.23 cm²) closely followed by germplasm JL-02 whereas the maximum plant spread (6.44 X 6.31 m) and trunk girth(95.0 cm) were recorded in JL-02 closely followed by JL-07. As far as the fruiting parameters and yield are concerned, the germplasm JL-07 performed superior over all the germplasm under evaluation. The maximum number of fruit bunches of 18.10 per branch; average weight of bunch 210 g and average fruit weight of 13.50 g were recorded in JL-07. The highest yield of 62.63 kg per plant was obtained in JL-07 germplasm which was significantly superior over the yield of all the germplasm of lasoda being maintained at this centre. On the basis of the results obtained in present study, it may be recommended that JL-07 is better for obtaining higher yield of good quality fruits for preparing pickle and vegetable under arid and semi-arid climatic conditions of Rajasthan.