

Performance of Woodapple Germplasm in Venkatagiri, Nellore District

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ABSTRACT

A total of 10 accessions of woodapple germplasm collected from various sources in the country are maintained and evaluated for growth, yield, adoptability at Citrus Research Station Petlur, Venkatagiri dist.. Some of the accessions performed very well and some did not perform well. Among the various accessions PWAS 2 , PWAS-9 performed well in this area. The accessions unfavorable to this climate possessed low average mean for various characters in the present study. Since considerable variation exists in the species there is good scope for varietal improvement .Changes in physical and chemical properties of wood apple pulp collected from unripe, half ripe and full ripe stages were studied. Edible portion of wood apple fruit (42.9 to 60.6% total fruit weight) comprised 6.9 to 12.7% of seeds. Fresh pulp contained 75.16 % moisture, 3.0 % sugar, 2.0 % protein and 1.31 % ash. The total soluble solid, brix/acidity ratio, total sugar and reducing sugar of wood apple fruit increase with maturity, whereas moisture content, pectin content and ascorbic acid was decreased. The pH of the wood apple pulp increased with the advance in maturity. The ripe fruits were found significantly less acidic than unripe and half ripe.

Key words: *Germplasm, Performance, Woodapple.*