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Studies on variability in physico-chemical properties of aonla (*Emblica officinalis* Gaertn) genotypes

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ABSTRACT : The present investigation was conducted on different genotypes of aonla to assess the variability in physico-chemical properties of fruits. These plant were planted in the campus of Banaras Hindu University, Varanasi, U.P. The experiment was arranged in Randomized Block Design with 12 treatments and four replications. The observations recorded during experiment showed that genotype 6 and 7 were found most superior, in terms of physic- chemical properties of fruits. The maximum pulp content (88.25%), pulp: stone ratio (8.24) and ascorbic acid content (679.25 mg/ 100g) was recorded in genotype 7. Where as, highest TSS (12.18%), lowest acidity (1.80%) and maximum sugar (3.50%, 2.50% and 6.0% reducing, non-reducing and total sugar, respectively) was found in genotype 6.

KEY WORDS : *Emblica officinalis*, Genotypes , Physico-chemical properties, Variability

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