



## Evaluation of cherry tomato (*Solanum lycopersicum* var. *Cerasiforme*) genotypes for growth, yield and quality traits

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### ABSTRACT

Six genotypes (Tomy Toe, Stupice Harry, Red Pear, Podland Pink, Broad Ripper and EC-1) of cherry tomato were evaluated for growth, yield and quality attributes. The growth habits of the plants showed extremely semi-determinate to indeterminate. The per cent fruit set was maximum in EC-1 followed by Stupice Harry. The maximum fruit weight was recorded in Podland Pink. The highest mean for yield per plant was recorded in Podland Pink. The highest fruit yield per hectare was registered in Podland Pink followed by Tomy Toe. The highest titrable acidity of the fruit was recorded in genotype Podland Pink. TSS of fruit varied between 4.06 °B (Podland Pink) to 8.10 °B (EC-1). The ascorbic acid content of the fruit varied between 21.22 (EC-1) to 27.48 (Podland Pink). The highest lycopene content was found in EC-1 and lowest in Broad Ripper. The highest fruit firmness was recorded in Tomy Toe. Wide variation was observed for the shelf life of fruit among the genotypes which varied between 5.33 (EC-1) and 14.67 (Tomy toe) days.

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