

Heterosis for yield components and fruit characters in tomato

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Abstract

Heterosis for yield components and fruit characters was studied using line x tester analysis between bacterial wilt resistant / tolerant accessions and processing varieties. Heterotic hybrids were identified for average fruit weight (Sakthi x Fresh Market 9, Sakthi x HW 208F), yield / plant (Sakthi x TH 318, Sakthi x Fresh Market 9), locule number (LE 206 x Ohio 8129, LE 214 x St 64) and pericarp thickness (Sakthi x St 64, LE 206 x 64, LE 214 x St 64). All the hybrids were late to harvest and they produced fruits with round shape.

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