*RESEARCH PAPER*

# Estimation of heterosis for yield and related characters in okra [*Abelmoschus esculentus* (L.) Moench]

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**Abstract :** The present investigation was carried out by crossing 8 x 8 genotypes of okra in half diallel fashion collected from NBPGR, New Delhi. The study was carried out to assess the hetrosis and cross combinations over better parent. The analysis of variance revealed that mean squares due to genotypes, due to parents and due to hybrids, parent's vs hybrids were found to be significant for all the character under study. The crosses IC-3307 X IC-433665, IC-43736 x Parbhani Kranti, IC-342075 X IC-332453 and IC- 433665 X Parbhani Kranti recorded positive and significant values for heterosis over better parent for many of the yield contributing characters. These crosses involved parents with good x good, medium x good and poor x good general combiners indicating that the heterosis obtained were due to both additive effect and non-additive effect of both the parents and one of the parents was a good combiner.

**Key Words :** Okra, Heterosis, Germplasm, Breeding lines

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