



## RESEARCH PAPER

# Combining ability for yield and yield components in okra [*Abelmoschus esculentus* (L.) Moench]

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**Abstract :** Combining ability analysis was carried out for fruit yield and its components in okra. Both general a combining ability (GCA) and specific combining ability (SCA) variances were highly significant for almost all the characters indicating the importance of both additive and non-additive gene actions. Parents and F<sub>1</sub> hybrids differed significantly for general combining ability and specific combining ability effects for all the characters respectively. The highest GCA effect for total fruit yield per plant recorded in Punjab Padmini. The highest significant positive SCA effect was observed in the cross VRU-109 x Arka Anamika. Among the parents Punjab Padmini, VRU-109, VarshaUpahar proved to be the good general combiner and VRU-109 x Arka Anamika was the good specific combiner for most of the yield and yield attributing traits followed by Punjab Padmini x ZARS.

**Key Words :** Combining ability, Yield, Yield components

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