

RESEARCH ARTICLE

Combining ability analysis in chickpea (*Cicer arietinum* L.)

■ S.B. SARODE AND G.P. NAGARGOJE

SUMMARY

In this study, three females were crossed with five male parents and fifteen hybrids were developed. These fifteen hybrids along with their parental lines and check viz., BDNG 797 were grown during *Rabi* season of 2014. The parental line BDNGK 798 exhibited high GCA effect for plant height and 100 seed weight, Vijay for number of primary and secondary branches per plant, Digvijay for number of pods per plant and seed yield per plant. The cross BDNGK 798 x SAKI 9516 recorded high significant and desirable SCA effect for number of pods per plant and seed yield per plant and the cross BDNGK 9-3 x ICC 14871 for seed yield per plant.

Key Words : Combining ability, Chickpea

How to cite this article : Sarode, S.B. and Nagargoje, G.P. (2017). Combining ability analysis in chickpea (*Cicer arietinum* L.). *Internat. J. Plant Sci.*, 12 (2): 299-301, DOI: 10.15740/HAS/IJPS/12.2/299-301.

Article chronicle : Received : 10.05.2017; Revised : 10.06.2017; Accepted : 25.06.2017

MEMBERS OF THE RESEARCH FORUM

Author to be contacted :

S.B. SARODE, Agricultural Research Station (VNMKV), Badnapur,
JALNA (M.S.) INDIA
Email : shri_sarode@yahoo.com

Address of the Co-authors:

G.P. NAGARGOJE, Agricultural Research Station (VNMKV), Badnapur,
JALNA (M.S.) INDIA