

Heterosis breeding in Brinjal

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SUMMARY

A study was conducted to assess the magnitude of heterosis in a line x tester cross material involving 24 hybrids generated by crossing six lines with four testers and a standard check (Kalpataru) in brinjal during 2004-05 at Vegetable Research and Seed Production Section of Seed Unit, University of Agricultural Sciences, Dharwad. The analysis of variance indicated significant amount of variability among the genotypes for 15 of the 17 traits studied. Significant and standard heterosis in desirable direction was recorded by six hybrids for fruit yield. The present study revealed the direct relationship between heterosis and *per se* performance of hybrids for several characters. Among the hybrids studied Arka Sheel x Green Round, Arka Sheel x Kudachi Local A and Budihal Local x Green Round were found to be the best cross combinations for fruit yield and its components.

Key Words : Lines, Tester, Heterosis, Hybrid vigour

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