



Research Paper

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Studies on heterosis for yield and its components of bitter gourd (*Momordica charantia* L.)

■ R.S. VERMA¹ AND M.K. SINGH

Members of the Research Forum

Associated Authors:

¹Department of Vegetable Science,
N.D. University of Agriculture and
Technology, Kumarganj, FAIZABAD
(U.P.) INDIA

Author for correspondence :

M.K. SINGH

Krishi Vigyan Kendra, East Kameng,
PAMPOLI (ARUNACHAL PRADESH)
INDIA

Email : patelrs85@yahoo.com

ABSTRACT : The present investigation entitled studies on heterosis for yield and its components of bitter gourd (*Momordica charantia* L.)” using 12 lines x 3 testers and their 36 crosses for 14 quantitative characters was carried out in summer and rainy seasons of 2010. The highest standard heterosis was observed for number of fruit per plant by crosses NDBT-10 x Kalyanpur Sona (Summer) and NDBT-19 x PDM (Rainy) and for fruit yield per plant the highest standard heterosis was observed in NDBT-13 x NDBT-12 during summer season and in NDBT-13 x Pusa Do Mousami during rainy season for days to anthesis of first pistillate flower, NDBT-7 x Kalyanpur Sona and NDBT-2 x PDM emerged as most promising crosses for summer and rainy season.

KEY WORDS : Heterosis, Yield, Bitter gourd

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