

Studies on heterosis for yield attributes in mungbean (*Vigna radiata* L. Wilczek)

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ABSTRACT : The magnitude of heterosis over better parent and standard variety for yield attributes in mungbean were studied by twenty eight crosses resulting for 8 x 8 diallel excluding reciprocal. The highest heterosis to the extent of 80.76% over standard variety and 72.39% over better parent for seed yield per plant was observed in the cross Narendra Mung-1 x PS-16, which exhibited high heterosis percentage for either one or more yield components. The promising hybrids viz. Pusa Baisakhi x Pusa bold (vishal), Pusa Baisakhi x Pant M-3, Narendra Mung-1 x PS-16, Pusa Baisakhi x Pusa-105, Pusa Baisakhi x ML-613 were identified, which have increased potential to exploit the hybrid vigour or to isolate desirable segregants.

Key Words : Mungbean, heterosis analysis.