



# Genetic variability and heritability in cluster bean [*Cyamopsis tetragonoloba* (L.) Taub.] for vegetable pod yield and its component characters

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**Abstract :** An investigation was carried out at College of Horticulture, University of Horticultural Sciences, Bagalkot during summer 2011 to analyze the variability and heritability in 67 cluster bean genotypes for vegetable pod yield and its growth and yield parameters. All the characters showed highly significant (at P=0.01) difference. Maximum range of variability was observed for ten fresh pod weight (g), number of branches at 90 DAS and number of dry pod per plant (dual purpose type). High heritability coupled with high genetic advance over mean was observed for number of branches at 90 DAS, pod length (cm), and ten fresh pod weight (g). The results of present investigation suggested that selection based on number of dry pod per plant, fresh pod weight, pod length and number of branches at 90 DAS might bring improvement in vegetable pod yield of cluster bean and its growth and yield components characters.

**Key Words :** Clusterbean, Genotypic co-efficient, Genetic advance, Heritability, Phenotypic co-efficient of variance

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