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## RESEARCH PAPER

# Relationship between seed yield and its component characters of cluster bean [*Cyamopsis tetragonoloba* (L.) Taub.]

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**Abstract :** Relationship between seed yield and its component characters of sixty seven cluster bean (*Cyamopsis tetragonoloba* L.) genotypes were studied during February, 2011 to May, 2011. The seed yield and its twelve component characters were studied to know their relationship. cluster bean seed yield per plant showed positive and significant correlation with number of clusters per plant, number of pods per cluster, ten dry pod weight, ten dry pod seed weight, number of seeds in ten dry pod, fifty seed weight, number of dry pods per plant and dry pod yield per plant at both genotypic and phenotypic level. The path analysis revealed ten dry pod seed weight, dry pods per plant and dry pod yield per plant had high direct effect on seed yield per plant, hence, these parameters are effective for selection to increase seed yield in cluster bean.

**Key Words :** Cluster bean, Seed yield, Correlation, Path analysis

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