



**Article history :**

Received : 16.09.2014

Revised : 27.10.2014

Accepted : 09.11.2014

## Correlation and path co-efficient analysis in dolichos bean (*Dolichos lablab* L.) genotypes

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**ABSTRACT :** Nine genotypes of dolichos bean were assessed for variability, heritability and genetic advance at Main Agriculture Research Station, Raichur. Highly significant differences were observed in the genotypes for all the characters under study. Pod yield per plant was significant and positively correlated with plant height, number of branches per plant, number of flowers per cluster, number of pods per cluster, average weight of pod, pod length, pod width, number of seeds per pod and number of pods per plant at both phenotypic and genotypic levels, but days to 50 per cent flowering had kept significant and negative correlation with pod yield per plant at both genotypic and genotypic levels. Path co-efficient analysis revealed that pod yield per plant had highest positive direct effect on number of flowers per cluster followed by number of pods per cluster, pod width, days to 50 per cent flowering, number of branches per plant, pod length but number of pods per plant, plant height, average weight of pod and number of seeds per pod had negative effect on pod yield per plant at genotypic levels. whereas at phenotypic level, number of pods per plant had direct effect on pod yield per plant followed by number of branches per plant, pod width, average weight of pod, days to 50 per cent flowering on the other hand, number of pods per plant, number of flowers per cluster, plant height, pod length and number of seeds per pod had negative effect on pod yield per plant.

**KEY WORDS :** Dolichos bean, Correlation, Path analysis

**HOW TO CITE THIS ARTICLE :** Ravinaik, K., Hanchinamani, C.N., Patil, M.G and Imamsaheb, S.J. (2014). Correlation and path co-efficient analysis in dolichos bean (*Dolichos lablab* L.) genotypes. *Asian J. Hort.*, **9**(2) : 396-399.