IJPS INTERNATIONAL JOURNAL OF PLANT SCIENCES
Volume **9** | Issue 1 | January, 2014 | 138-141

RESEARCH ARTICLE

Correlation and path analysis in vegetable cowpea (*Vigna unguiculata* L.)

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SUMMARY

The genotypic and phenotypic correlations of green pod yield with different components were estimated from 40 genotypes of vegetable cowpea. The genotypic and phenotypic correlations agreed closely with each other. Yield contributing character number of pods per plant had positive and highly significant association with green pod yield per plant at phenotypic level. Phenotypic interrelationship between days to 50 @ flowering and days to 1st pod picking was negatively significant with green pod yield. The genotypic and phenotypic path analysis revealed the high to moderate direct effect of green pod yield per plant with number of pods per plant and pod length. Therefore, number of pods per plant and pod length was important component for improving green pod yield in vegetable cowpea.

Key Words : Cowpea, Correlation, Path analysis

How to cite this article : Sapara, G.K. and Javia, R.M. (2014). Correlation and path analysis in vegetable cowpea (*Vigna unguiculata* L.). *Internat. J. Plant Sci.*, **9** (1): 138-141.

Article chronicle : Received : 02.10.2013; **Revised :** 24.10.2013; **Accepted :** 04.11.2013

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