

Correlation and Path Analysis Studies in Vegetable Cowpea (*Vigna Unguiculata* (L.) Walp)

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ABSTRACT

Correlation and path analysis of 22 accessions of cowpea indicate that yield per plant showed high positive correlation with primary branches, pod length, pod weight and pods per plant. Pods per plant recorded the highest genotypic correlation with yield. Days to first harvest and 100 seed weight showed significant negative correlation with yield. Path coefficient analysis revealed that pods per plant, pod weight, days to first flowering and pod girth had high direct effect as well as indirect effect through other characters on yield per plant.

Key words : Correlation, Path analysis, Vegetable.