

Study on characters association and path analysis in field pea (*Pisum sativum* L.)

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SUMMARY

A study was conducted to determine the character associations and their mode of direct and indirect effect on grain yield in thirty-six genotypes in field pea. The genotypic correlation was higher than phenotypic correlation for all characters studies in field pea. Biological yield/plant and number of pods/plant had positive and highly significant correlation with grain yield/plant. Number of primary branches/plant and plant height (cm) had positive and significant correlation with grain yield/plant. Biological yield/plant, harvest index (%) and plant height (cm) had high positive and direct effect on grain yield/plant. Similarly days to 50 % flowering and pod length (cm) had positive and direct effect on grain yield/ plant.

Key Words : Correlation co-efficient analysis, Path co-efficient analysis, Field pea

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