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Path co-efficient analysis in dolichos bean [*Dolichos lablab* (Roxb.) L. var. *typicus*]

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ABSTRACT : An investigation was conducted at Vegetable unit, Department of Horticulture, Faculty of Agriculture, Annamalai University, Chidambaram during 2011-12, with a view to identify superior genotypes in garden bean. The experiment was laid out by collecting 27 genotypes from various sources in a randomized block design with three replications for two seasons. The observations on various growth and yield parameters were recorded and analyzed for identifying the superior genotype. Path analysis revealed the existence of high magnitude of positive direct effect of pod weight, number of pods per inflorescence, number of branches per plant on yield of pods per plant in season I. In season II, the traits like pod weight, number of branches per plant, number of days taken for fruit setting and number of pods per plant had highly significant and positive direct effect on yield of pods in season II.

KEY WORDS : Dolichos bean, Direct effect, Indirect effect, Growth and yield characters, Path analysis

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