

SELECTION STRATEGY FOR PRODUCTIVE PLANT TYPE IN DOLICHOS BEAN (*DOLICHOS LABLAB* L.) FOR CHHATTISGARH PLAINS

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Abstracts : In Chhattisgarh, a field experiment was carried out at Department of Horticulture, where sixty three genotypes of Dolichos bean (*Dolichos lablab* L.) were evaluated for green pod yield and its contributing characters. The genetic variability analysis revealed that wide range of variability was observed for all the characters viz. leaf length, leaf width, inflorescence length, number of flower per inflorescence, number of pod per inflorescence, pod length, pod width, number of pod plant, hundred seed weight and pod yield. It was also revealed that relative magnitude of phenotypic coefficient of variation was higher than the genotypic coefficient of variation under the study, higher heritability estimates coupled with high genetic advance as percent of mean were observed for hundred seed weight (98.11%) followed by pod length (97.29%), pod width (96.20%) number of flower per inflorescence (94.53%), length of inflorescence (94.24%) and number of pods per inflorescence (78.05%). Correlation revealed that number of pod per plant highly significant and positive association with pod width, pod length and marketable green pods yield per plant at phenotypic and genotypic level.

Keywords : Dolichos bean, Vegetable, Cultivation, Sem

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