

GENETIC VARIABILITY, HERITABILITY AND GENETIC ADVANCE IN CORIANDER (*CORIANDRUM SATIVUM L.*)

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Abstract: Genetic variability for various characters was studied in one hundred twenty accessions of coriander along with six check varieties. The phenotypic coefficient of variations was higher than corresponding genotypic of variations indicating environmental influence on all the characters. Genotypic and phenotypic coefficient of variations were moderate (21-50%) for umbels per plant and seeds per umbel. The estimate of heritability was moderate (21-50%) to high (>50%) for all the characters. High heritability coupled with high (>50%) genetic advance was observed only for seeds per umbel and other traits such as days to 50% flowering, plant height, umbels per plant and 1000-seed weight showed high heritability combined with moderate (21-50%) genetic advance as percentage of mean, indicating the importance of these traits in yield improvement programme.

Keywords: Coriander, Genetic variability, Heritability, Germplasm

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