

GENETIC VARIABILITY AND HERITABILITY STUDIES FOR YIELD AND QUALITY TRAITS IN WHITE AND BROWN FINGER MILLET (*ELEUSINE CORACANA* (L.))

Meera Gopal*, Haritha T, C.V. Chandra Mohan Reddy and S. Balaji Nayak

Department of Genetics and Plant Breeding, Agricultural College, Bapatla,
Acharya N G Ranga Agricultural University, Andhra Pradesh
Email: mgmeeragopal@gmail.com

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Abstract: The present investigation was conducted to assess the nature and magnitude of genetic variability for yield and quality related traits in 64 genotypes of finger millet for 25 parameters during Kharif, 2020 at Agricultural College Farm, Bapatla, Andhra Pradesh. The analysis of variance for square lattice design reported the existence of significant difference among the genotypes for all traits. The genotypic coefficient of variation for all the characters studied was less than phenotypic coefficient of variation indicating the influence of environment in shaping these traits. Moderate to high variability and high heritability accompanied with high genetic advance as per cent of mean were observed for 22 characters indicating the predominance of additive gene action in manifestation of these traits, and hence improvement can be anticipated by simple selection.

Keywords: Finger millet, Genetic advance as per cent of mean, Heritability, Variability

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*Corresponding Author

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