

Genetic Variability, Heritability and Genetic Advance for Seed Yield and its Components in Finger millet [*Eleusine coracana* (L.) Gaertn]

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ABSTRACT

An investigation was carried out in finger millet to assess the variability, heritability and genetic advance for eleven characters viz., plant height, days to 50% flowering, days to maturity, number of productive tillers per plant, fingers per ear, finger length, ear weight per plant, 1000-seed weight, protein content, calcium content and grain yield per plant in 43 genotypes. The results revealed that high PCV and GCV for protein content. High heritability accompanied with high genetic advance was recorded for calcium content, protein content, 1000-seed weight, finger length, productive tillers per plant, ear weight per plant and grain yield per plant indicating the preponderance of additive gene action which may be exploited through simple selection procedures.

Key words : Genetic advance, Heritability, Finger millet, Variability.