

Characterization and Diversity Analysis of Cytoplasmic Male Sterile lines in Sunflower (*Helianthus annuus* L.)

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ABSTRACT

Forty diverse cytoplasmic male sterile lines of sunflower were evaluated for different quantitative and quantitative traits. High phenotypic and genotypic coefficients of variation were recorded for filled seeds per plant, seed yield, total dry matter and harvest index. High heritability coupled with high genetic advance as per cent of mean was obtained for almost all important economic traits except days to 50% flowering and days to maturity.

Key words: Characterization, Cytoplasmic male sterile lines, Sunflower.