

# Variability and Genetic Parameters for Kernel Yield and Its Components in Maize (*Zea mays L.*) Inbredlines

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## ABSTRACT

The present study was undertaken to estimate the extent of variability and genetic parameters in twenty eight maize genotypes for 15 yield and yield component characters during *Kharif*, 2013. The magnitude of difference between PCV and GCV was relatively low for almost all the traits, indicating less environmental influence. High estimates of GCV and PCV (>20%) were recorded for kernel yield per plant, number of cobs per plant, number of branches in tassel, 100-kernel weight and harvest index. High estimates of heritability along with high genetic advance as percent of mean were recorded for number of kernel rows per cob, kernel yield per plant, number of branches in tassel, 100-kernel weight, cob length and harvest index indicating additive gene effects in genetic control of these characters. Hence, selection may be effective for these characters.

**Key words** : Genetic advance as percent of mean, Genetic variability, Heritability, Kernel yield.