



**RESEARCH ARTICLE :**

## Genetic divergence in soybean [*Glycine max* (L.) Merrill] during *Rabi* season

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**SUMMARY :** Genetic diversity studies are a prerequisite for any breeding programme as it helps in selection of diverse parents which is essential for a successful hybridization programme. The present investigation was carried out using twenty four genotypes of soybean to identify the diversity of soybean genotypes for morpho-agronomic traits. The analysis of variance studies were highly significant for all the characters studied except number of branches per plant and number of pods per plant. The genotypes were grouped in 5 five clusters and genotypes in cluster IV can be used for direct adoption or in the hybridization programme to develop superior genotypes. Among the various morpho-agronomic traits days to 50% flowering, seed yield and 100 seed weight has contributed maximum for genetic diversity for the characters studied.

**KEY WORDS :**

Soybean, Morpho-agronomic characters, Cluster analysis, Genetic diversity

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