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A Case Study

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Studies on identification of stable diagnostic qualitative characteristics of *Rabi* sorghum genotypes

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ABSTRACT : Characterization of cultivars, establishment morphological identity and genetic purity of the seed lots are crucial for varietal improvement, protection of varieties and seed production in Sorghum. The field experiment was laid out in a RBD with two replication and 60 treatment combinations at RARS, Bijapur during 2011-12 and 13. The present investigation revealed that the individuality of any crop variety or genotypes plays significant role in identification through morphological characters. Though the genotypes looks similar and alike while growing in the same condition, at the same time the study is needed due to the dependence of exhibition of these morphological characters in the changing environmental condition. This is the basic step towards the breeding of new crop varieties where in one can change the phenology of the crop through various advanced breeding programmes.

Key Words : Cultivars, Genetic purity, Genotypes and Panicle density

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