

# **Characterization of Sugarcane Accessions for DUS Descriptors**

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## **ABSTRACT**

Germplasm is the basic material for selection and improvement through breeding to ensure food security needs of the worlds rapidly rising population. Constant evaluation and characterization of the existent, yet uncharacterized germplasm is useful and it is many times the cornerstone for the development of new and better varieties. A systematic study was conducted to characterize the one hundred and thirty one germplasm accessions using 27 DUS descriptors given by PPV&FRA at Agricultural Research Station, Perumallapalle, Tirupati during 2012-13. The data were collected on parameters pertaining to stem, leaf, leaf sheath, bud and internode. All the varieties varied greatly for different characters. These germplasm accessions are reservoirs for different parameters and they can be exploited in any breeding programmes for production of promising sugarcane varieties.

**Key words :** Characterization, Germplasm, Sugarcane, DUS descriptors, PPV&FRA.