

## FAMILY MERIT POINT IN SUGARCANE BREEDING PROGRAM

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- **ABSTRACT:** *It is propose a single method for sugarcane family and genotype selection, using the Family Merit Point (FMP), which consider the family means and their standard deviation. For evaluation were used ratoon sugar cane cycle, with ten physiologic months old, in a randomized block design, with 48 families and 200 genotypes by family, in plots of 50 plants by family, in each block. The usual massal selection was applied and the results compared with the proposed FMPm (FMP minimum) and the REML/BLUP method. The FMP show a simple identification of genotypes with superior three points of Brix mean and families with major frequency of genotypes with association of attributes of interest, production and Brix.*
- **KEYWORDS:** *Saccharum spp; sugarcane breeding; selection approaches.*

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