

A BIOMETRICAL APPROACH TO SELECT VARIETIES
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Selection criteria for screening of clones in sugarcane are suggested through the method of correlation and multiple regression analysis. This method helps to select the superior varieties, through agronomic characters in the clones, that can be measured at a certain age, as against the presently used complex system of selecting the superior clones at Nursery Stages, as well as preliminary and replicated yield trial stages. In this method only three characters viz. number of stalks per clump, average stalk height, and average stalk diameter are sufficient to select superior clones which contribute about 90% towards clump weight. For the large populations only two characters, namely number of stalks per clump and average stalk height are sufficient for this, which contributes about 84% towards clump weight. However CCS cannot be evaluated precisely by these characters.

References

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