



Yield stability of some sugarcane genotypes across seasons and locations

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Abstract:

The objectives of this study were to determine the relative magnitude of G X E interaction effects and to evaluate phenotypic stability in sugarcane (*Saccharum* spp.). Seven sugarcane promising varieties: G99/165, G84/47, G98/28, G98/24, G95/19, G95/21 and G98/87 and two sugarcane commercial cultivars G.T54/9 and Ph8013 were evaluated for two years (plant cane and 1st ratoon) at two locations (Sohag and Quena Governorates) during two successive growing seasons, (2014/05 and 2015/06) to study the effect of environmental conditions, i.e. locations and seasons on cane yield tons/fed (TCF) and apparent sucrose content (pol%). A randomized complete block design with three replicates was used.

Biography:

Ayman Mohamed Abd El-Razek is working as Professor and department head (Plant Breeding and Genetic and Varietal Maintenance Dept.) at Sugar Crops Research Institute, ARC, Egypt. He did his Ph.D. in Plant Breeding (Sugar Crops) in 2003. He attended studies and training programs in India, China and United States. He has published 45 research papers in Sugar



Crops fields.

Recent Publications:

1. Baker, H.C. and J. Leon (1988). Stability analysis in plant breeding
2. Flores, F.M et. al.1998). field Crops.
3. Ayman M. Abd El-Razek et. al. (1998).
4. Ayman M. Abd El-Razek et. al. 2000. Sept. 2000