

Comparison of Different Stability Parameters in Finger Millet [*Eleusine coracana* (L.) Gaertn]

N Sarala, C Panduranga Rao, P V Rama Kumar and V Srinivasa Rao

Department of Genetics and Plant Breeding, Agricultural College, Bapatla 522 101, Andhra Pradesh.

ABSTRACT

The study of different stability parameters in eighteen genotypes of finger millet over 14 environments indicated that stability parameters like Wricke's (1962) ecovalence, mean variance due to genotype-environment interaction of Plaisted and Peterson (1959) and variance or information of ranks over environments gave similar results to that of the deviation from regression (S^2_d) of Eberhart and Russell (1966) and Shukla's stability variance whose calculation is cumbersome. All these methods indicated more stable genotypes GE 1240, GE 3678 and GE 1287 for productive tillers per plant; GE 1035 and GE 3363 for length of finger; VMEC 219, GE 1240 and GE 1035 for ear weight per plant; GE 1035 and GE 532 for 1000 seed weight; GE 2869, GE 1240 and GE 3363 for grain yield per plant over environments.

Key words : Finger millet, Stability