

Comparison of Different Stability Parameters in Blackgram [*Vigna mungo* (L.) Hepper]

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ABSTRACT

The study of different stability parameters in blackgram genotypes in six environments indicated that stability parameters like Wricke's (1962) ecovalence, mean variance due to genotypes-environment interaction of Plaisted and Peterson (1959), variance or information of ranks over environments and Shukla's stability variance gave similar results to that of the deviation from regression (S^2_d) of Eberhart and Russell (1966), whose calculation is cumbersome. All these methods indicated more stable genotypes like 1 (AKU-7), 6 (PBG-1), 7 (PBG-107) for plant height; 1 (AKU-7), 3 (T-9), 8 (MBG-162) for number of primary branches per plant; 2 (LBG-752), 5 (LBG-17), 11 (LBG-623) for number of pods per plant; 2 (LBG-752), 5 (LBG-17), 4 (LBG-20) for 1000 seed weight; 2 (LBG-752), 4 (LBG-20), 12 (LBG-645) for seed yield per plant; 5 (LBG-17), 10 (LBG-648), 11 (LBG-623) for yield kg/plot over environments.

Key words : Blackgram, Stability.p