

Stability Analysis for Grain Yield Attributing Traits in Finger Millet

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ABSTRACT

Stable performance of genotype in different environments is highly considered for development and release of new high yielding varieties. In the present study, thirteen advanced finger millet genotypes along with one local check were evaluated at three locations to identify stable and high yielding genotypes. None of the genotypes showed stable performance for all the traits studied. Linear component of genotype x environment (G x E) reaction was significant for number of productive tillers and grain yield ha⁻¹ revealing the differential reaction of genotypes tested in different environments for these traits. Among the tested genotypes, PPR 1041 recorded average stability for number of productive tillers per plant indicating the wide adoptability of this genotype for number of productive tillers per plant. Average stability for grain yield was found in VR 990 which revealed the wide adaptability of the genotype across different locations.

Keywords: *Finger millet, Grain yield traits, Stability analysis.*