

PHENOTYPIC STABILITY FOR YIELD AND SOME DEVELOPMENT

TRAITS IN *VIGNA MUNGO* (L.) HEPPER

MANOJ KATIYAR, NARENDRA KUMAR & CHANDAN GUPTA

Department of Genetics and Plant Breeding, C.S. Azad University of Agriculture & Technology, Kanpur, Uttar Pradesh, India

ABSTRACT

Nineteen diverse and elite genotypes of Urdbean[Vigna mungo (L.) Hepper] were evaluated in three different environments during 2014-15 of Uttar pradesh. Highly significant variance due to genotypes against pooled deviation revealed the presence of genetic variability for the traits under investigation. The component genotypes x environment interaction being highly significant indicated that genotypes interacted considerably to environmental conditions in different environments. The predominance of linear component would help in predicting the performance of the genotypes across environments. The genotypes KU 301 and KU 96-3 possessed high mean values for grain yield and non-significant deviation from regression coefficients approaching unity with non-significant deviation from regression, were most suitable across the environments.

KEYWORDS: GxE, Urdbean, Stability

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