Character Association of Yield and other Traits in Little millet (*Panicum sumatrense* L.) Genotypes

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ABSTRACT

The present investigation was carried out to assess the nature and magnitude of genetic variability parameters of sixteen yield attributing traits in 35 little millet germplasm collection. Results of the correlation studies indicated that days to 50% flowering, flag leaf length, leaves per main tiller, tillers per plant, productive tillers per plant and test weight had significant positive association with grain yield per plant whereas, plant height, flag leaf width, panicle length, days to maturity and grain protein content exhibited non significant positive association with grain yield per plant. Grain iron content and grain copper content showed significant negative correlation and grain zinc and grain manganese contents exhibited non significant negative association with grain yield per plant. It can be inferred that the traits which show significant positive association can be considered as the important traits in any selection programme for selecting high yielding genotypes in little millet.

Keywords: *Character association, Grain yield and Little millet*