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#### 4-Selection criteria of donors of some agronomic characters in different barley genotypes

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#### ABSTRACT

The success breeding program essentially depends upon heritability and genetic variation. We evaluate eleven genotypes of barley to achieve a good donor for breeding program. Different agronomic traits such as plant height, number of leaves, number of spike, spike length, plant fresh weight and dry weight, and 1000-grain weight were measured in the harvest time. The heritability estimates were high for spike length, 1000-grain weight and plant height. Genetic advances are also high for spike length, number of spike and 1000-grain weight. Correlation between all traits is positive for all traits. Analysis of variance revealed significant differences among the genotypes for all the traits except fresh weight. High amount of genetic variation provides the better possibility of improvement of desired traits. The traits with high heritability and high genetic advance may be subjected to breeding program, aimed at accumulate agronomic traits that attributes to good production within genotypes.