

Determination of Yield and Quality Traits of Some Bread Wheat Genotypes Under Konya-Altinekin Conditions

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This study was conducted to determine yield, yield components and quality parameters of some bread wheat genotypes in Konya-Altinekin conditions during 2020 and 2021 growing seasons. In the experiment, two bread wheat (*Triticum aestivum* L.) cultivars (Esperia, Konya 2002) and 11 advanced bread wheat lines that were unregistered but purified candidate cultivars were used. The experimental design was a Randomized Complete Block Design with four replications. In this study, grain yield (kg da⁻¹), test weight (kg), thousand kernel weight (g), protein content (%), starch content (%) were evaluated in this research. There were significant differences among cultivars for all evaluated characters with regarding two years. The average of two years was 954.7 kg da⁻¹ in terms of grain yield. According to the average of genotypes, the highest yield was found in the 1010 line with 1062.7 kg da⁻¹, and according to the year x genotype interactions, it was found in the 1010 line with 1148,9 kg da⁻¹ in 2021 as the first group, and in the Konya 2002 variety with 643,9 kg da⁻¹ in 2021 as the latest group.

Keywords: Bread Wheat, Line, Quality, Yield.

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