



Registration of “Kürşad” Bread Wheat (*Triticum aestivum* L.) Variety

Selami YAZAR  Bayram ÖZDEMİR*  Emin DÖNMEZ  Ayten SALANTUR  Mehmet Emin ALYAMAÇ 
Gökhan KILIÇ  Muhsin İbrahim AVCI  Fatma Betül SADE 

Central Research Institute for Field Crops, Department of Genetics and Breeding, 06170, Ankara, Türkiye

* Corresponding author e-mail: bayram.ozdemir@tarimorman.gov.tr

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Kürşad is a hard-red facultative wheat (*Triticum aestivum* L.) cultivar registered in 2020 by the Central Research Institute for Field Crops. The cultivar's pedigree is KS82142/SERI//SOYER02 and YE15269-0E. The crossing was carried out in the 2002-03 growing season and segregating populations were carried out in a modified bulk method. The yield trials for the line began in the 2010-11 growing seasons with the preliminary yield trials followed by yield trials and regional yield trials which were carried out between 2011 to 2016. Application for registration of the line ANK-35 was submitted to the Seed Registration and Certification Institute in 2016, in 2018 the line was registered and named Kürşad.

Kürşad is of medium to tall height (90-95 cm) and is late maturing. The spikes of the cultivar are white, awned, and medium-length (Figure 1). It is characterized by high grain yield, high grain quality, and resistance to lodging and yellow rust. The variety

has a high tillering capacity as well as high water and fertilizer use efficiency. Kürşad is adapted to Central Anatolia Regions that receive low to intermediate rainfall (300-350 mm average annual precipitation). The average yield of the cultivar varied from 3500-4000 kg ha⁻¹ in arid and 4500-6000 kg ha⁻¹ in semi-arid areas of Central Anatolia. Bread-making quality values for Kürşad variety are: thousand kernel weight: 27.2-36.8 g, hectoliter weight: 69.9-78.9 kg/hl, protein content: 15.3%-16.0%, Zeleny sedimentation: 68-72 ml, baking strength (W): 301-456, water absorption: 58.8-60.1%, flour yield: 62.5-68%, wet gluten: 32.1-33.1%, dry gluten: 11.3-11.8%, and the gluten index: 97.6-99.2%.

The cultivar is recommended for arid, semi-arid, and irrigated areas of the Central Anatolian Region and the Transitional Zones. The appropriate sowing rate is 180-200 kg ha⁻¹ and the suggested sowing dates are between October 15-November 15.



Figure 1. Spike and grain of the Kürşad variety. (Original)

References and Notes

Anonymous (2020). Central Anatolia Region Draught Bread Wheat Registration Report, Ankara (in Turkish).