



Registration of "NKU Lider" Bread Wheat (*Triticum aestivum* L.) Variety

NKU Lider is a winter bread wheat (*Triticum aestivum* L.) variety, developed by Tekirdağ Namık Kemal University, Agricultural Faculty and registered in 2016. The spike of the NKU Lider variety is moderately long and dense, white, and awned. Grain is oval, semi hard and red color. NKU Lider is a medium-tall variety, similar to Flamura 85 and Tekirdağ bread wheat varieties. Plant height is between 85 and 90 cm depending on the growing conditions. NKU Lider variety is a winter type, medium-early, resistant to winter hardiness, good tolerant to drought, high ability of tillering and trashing, and since its wide adaptability, it can be grown safely not only in the Thrace-Marmara Region, but also in other wheat production areas of our country.

NKU Lider variety is tolerant to powdery mildew (*Erysiphe graminis* f. sp. *tritici*) and to stripe rust (*Puccinia striiformis* f. sp. *tritici*) and mild-sensitive to leaf rust (*Puccinia triticina*). It shows high yield stability ranging from 6.3-8.5 t ha⁻¹ in Thrace Region,

however if environmental conditions are appropriate and agronomic applications are apply well, it has the ability to increase grain yield even more. Suggested sowing rate is 500 seeds m². Depending on the soil type and structure and soil analysis results, it is recommended to apply phosphorus 60-70 kg ha⁻¹ and nitrogen 150-160 kg ha⁻¹.

Bread-making quality of variety, NKU Lider is good. The mean values of some grain qualities of the official variety testing experiment are; test weight 76-79 kg hl⁻¹, thousand kernel weight 39-40 g, protein content 13-14%, water absorption 58-62%, Zeleny sedimentation 50-70 ml, alveograph energy value (W) 179-307 joule and flour yield 65-72%.

Pre-Basic and Basic seeds of the NKU Lider variety have been produced by Tekirdağ Namık Kemal University, Agricultural Faculty. Certified seed of the NKU Lider variety are produced by a private seed company.

Figure 1. (a) Spike and (b) grain of the NKU Lider variety. (Original)



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References and Notes

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