REPUBLIC OF TÜRKİYE
MINISTRY OF AGRICULTURE AND FORESTRY
General Directorate Of Agricultural Research And Policies
Bahri Dağdaş International Agricultural Research Institute

TAGEM
R&D AND INNOVATION

PROJECT TITLE	**Rye Breeding Research**
PROJECT NUMBER	TAGEM/TBAD/B/23/A7/P1/5987
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INSTITUTE	Bahri Dağdaş International Agricultural Research Institute
START AND END DATE	2023-2027
PROJECT RESOURCE AND BUDGET	TAGEM-250000
PROJECT DEPARTMENT	Department of Field Crops Research

SUMMARY:

Within the scope of the rye germplasm development project, which started in 2012 within our organization, candidate lines will be selected by making some observations and measurements from the genotypes obtained by selfing and local populations. It will be tried to obtain open pollinated candidate genotypes in diploid and tetraploid forms from this material. Selected genotypes will be planted in Konya Merkez, Karapınar and Altınova locations, where yield (YT) and after yield trials (AYT) will be set up as field experiments. In addition, depending on the land supply, YT and AYT will be set up in other provinces and districts in the region in the following years.

Aslım-95 variety was registered by our institute in 1995. Since those years, the first study on rye in our country was started in 2012. In 2019, one open pollinated candidate variety was sent to TTSM (Seed Registration and Certification Central Directorate) for registration. In recent years, the necessity of using rye in human nutrition in addition to being used as animal feed is increasing its importance day by day.

Studies have reported that the use of rye in human nutrition is beneficial to fight in many cases such as cardiovascular diseases and the obesity. The fundamental aim of our project is to develop new resistant or tolerant varieties to biotic and abiotic factors that are effective in winter rye production in our region and to improve productive, high quality and suitable varieties for different purposes, like dry conditions.

KEY WORDS: Rye, Breeding, Variety, Diploid, Tetraploid