



PROJECT TITLE	Central South Anatolian Basin Chickpea Breeding Project
PROJECT NUMBER	5187
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INSTITUTE	Bahri Dağdaş International Agricultural Research Institute Directorate
START AND END DATE	01.01.2022-31.12.2026
PROJECT RESOURCE AND BUDGET	TAGEM - 90.000 TL
PROJECT DEPARTMENT	Department of Field Crops Research

SUMMARY:

Studies within the scope of the project were carried out in Bahri Dağdaş UTAEM central trial fields. As a result of breeding efforts, a chickpea variety named "Bayrak" was registered in 2022. Within the scope of the opened material trials, 10 lines and 3 controls in the (F5-F6) level were planted and 27 single plants were transferred to an upper level. Observation Garden Trial was established with 44 lines + 4 control types, in which stagnation was detected in previous years, and 12 lines were transferred to the Pre-yield trial. A preliminary yield trial was established in augmented trial design with 14 lines + 3 control types and as a result of the evaluations, it was transferred to a 4 line yield trial. In the Random Blocks Trial Design with 12 lines + 3 control types, a yield trial was established as 4 replications and as a result of the observations, 6 lines were transferred to the region yield trial. Again, in the same trial design, as 4 replications, the Regional Yield Trial was dried with 12 lines + 3 control types and 7 lines were selected as a result of the observations. It was decided to send 3 lines from the region yield trial to the National Region Yield Trials. Within the framework of national chickpea breeding studies, Variety Harmony and Regional Yield Trials were established and the results were sent to the relevant Coordinating Institute.

KEY WORDS:Chickpea, variety, line, breeding, yield



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