

Title	The Development of Qualified F ₄ Inbred Lines for Cucumber Breeding Programmes and Seed Technology Project
Number	TAGEM/BBAD/10/A09/P01/13
Leader	Dr. Volkan GÖZEN
Researcher/es	Dr. Levent KESKİN, Nejla ÇELİK, Dr. Akın TEPE, Yrd. Doç. Dr. Hakan FİDAN
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Abstract:

Turkey is the second place after China with 65.000 ha of production area and 1.875.000 ton production amount of cucumber. Cucumber is cultivated in both greenhouse and open field throughout the year in our country. In recent years, mini and slicer types as well as the intensive cultivated Beith-alpha types have been demanded. The aim of this project is to develop half-way breeding materials and new cultivars resistant to abiotic (salt stress and cold-stress) and biotic stress (Cucumber Mosaic Virüs (CMV), Zucchini Yellow Mosaic Virus (ZYMV), Cucumber Vein Yellowing Virus (CVYV)) and suitable for greenhouse production and market demands. The research will be carried out in the greenhouse of department of vegetable and ornamental plant in Batı Akdeniz Agricultural Research Institute between 2014 and 2019. Plant materials will consist of segregating lines from previous breeding programs. The combining ability analysis will be utilized for the development of superior parents and heterosis breeding will be applied for obtaining new cucumber varieties in this project.