

Title	Improvement of New Pomegranate (<i>Punica granatum</i> L.) Cultivars By Cross Breeding in Western Mediterranean
Number	TAGEM /BBAD/15/A08/P09/03
Leader	Alpaslan ŞAHİN
Researcher/es	Dr. Süleyman BAYRAM, İlker KURBETLİ
Budget	40.500 TL
Periods	01/04/2015 - 31/12/2019
Organization of Funding Sources	TAGEM

Abstract: The cultivar of Hicaznar pomegranate which has red rind, dark red arils and sour sweet taste has been produced and consumed in our country. Besides it is very important in inner and outer trade. Although it is appropriate to transport and cold storage, because of some reasons like the red rind can not be formed completely in all the time, its seed is semi-hard, it is late ripening cultivar and it has some negative properties like occurring fruit cracking in precipitation during autumn in some areas. Furthermore because of the sour sweet taste of Hicaznar which is very close to sour taste, it can not afford the demands of the customers. For this reason, it has been intended to obtain cultivars of pomegranate which has red or dark red rind and arils, soft seed, sweet, sour-sweet, sour and its rate in fruit cracking will be low, especially it will be ripen in early and mid season. Thus, alternative varieties will be presented to customers and growers. By this way it will contribute to the economy. At the same time, it will provide genetic source to make research for pomegranate breeders in the future. In this study, the cultivars of BATEM Esinnar, BATEM Yılmaznar and BATEM Onurnar has been developed by Batı Akdeniz Agricultural Research Institute. It can be used to obtain new genotype by making selfing, reciprocal crossing and crossing. Then the appropriate genotypes will be chosen, their phenological and pomological properties will be researched in evaluation plots and finally selection of varieties will be realized.