



## Registration of “Irmak01” Pea (*Pisum sativum* L.) Variety

“Irmak01” is a pea (*Pisum sativum* L.) variety developed and registered in 2020 by Eastern Mediterranean Agricultural Research Institute (EMARI) of Turkey. The variety is well adapted to winter conditions of Mediterranean, Aegean and South East Anatolia Region of Turkey. “Selection Breeding Method” was used to develop the variety from single plant selected from local population source materials.

Plants of “Irmak01” variety are well adapted to mechanised harvest due to 70-127 cm plant height and

21-53 cm first pod height. Time to flowering is 50-90 days and time to physiological maturity is 102-138 days. Grain is light-beige colored and round shaped which has 16.8-20.3 g 100-grain weight. Water absorption capacity is 0.19-0.20 ml/grain; water absorption index is 0.91-1.05%; swelling index is 2.13-2.31%; eight mm sieve value is 50.8-51.8%. Protein ratio is 24-25%. Time requirement for cooking is 40-46 minutes.

Average grain yield of “Irmak01” variety in field tests is 2,2 t/ha.

Figure 1. Flower, grain and pod of Irmak01 pea variety. (Original)



Dürdane MART\*, Meltem TÜRKERİ

Eastern Mediterranean Agricultural Research Institute,  
Adana, Turkey.

\* Corresponding author e-mail:  
durdane.mart@tarimorman.gov.tr

### References and Notes

- Anonymous (2020). Seed Registration and Certification Center Directorate Report, Ankara. (in Turkish)
- Mart D, Türkeri M and Yücel D (2018). Pea (*Pisum sativum* L.) Breeding Studies and Variety Registration in Cukurova Region, 8<sup>th</sup> Seed Congress, 10-13 September 2018, Niğde, (Oral presentation).
- Mart D and Türkeri M (2019). Investigation of Yield and Yield Properties of Edible Pea (*Pisum sativum* L.) Genotypes in Eastern Mediterranean Conditions, Turkey 13<sup>th</sup> National Congress and 1<sup>st</sup> International Agronomy, 01-04 November 2019 Antalya (Oral presentation).