



## Registration of “Meltem” Bread Wheat Variety

Meltem is a spring bread wheat (*Triticum aestivum* L.) variety developed by Aegean Agricultural Research Institute (AARI) and registered in 2018. The pedigree of Meltem involved cross PVN/YACO/3/KAUZ\*2/TRAP//KAUZ/4/NESTOR/3/HE1/3\*CNO79//2\*SERI with SEE02121-0S-0S-0S-3S-3S-2S. crossing was made in 2002.

Meltem is a spring type cultivar. The spike colour of Meltem is white with awn and compact ear. Grain is white colour. Meltem is a medium-tall cultivar, height is 95-100 cm. It is medium early and it has good adaptability. It is resistance to lodging. It has been grown in Aegean region in mediterranean zone.

The yield changes between 7000 kg/ha and 9500 kg/ha depends on air condition and soil fertility. Meltem is moderate resistance to stripe rust (*Puccinia striiformis* f.sp. *tritici*) and stem rust (*Puccinia graminis* f.sp. *tritici*) and moderate susceptible to leaf rust (*Puccinia triticina* f.sp. *tritici*).

Grain quality is good. The values of some bread making qualities of Meltem are; test weight 77.0-82.7 kg hl<sup>-1</sup>, thousand kernel weight 36.0-42.6 g, protein content 12.0-16.6%, sedimentation 37-59 ml, alveograph energy value (W) 160-300 and water absorption 57-63%.

Figure 1. Spike and grain of the Meltem cultivar (Original)



Rıza ÜNSAL\*, Hatice GEREN, İsmail SEVİM

Aegean Agricultural Research Institute (AARI), Cumhuriyet Mah. Çanakkale Asfaltı No:7 Menemen/İzmir, Turkey.

\*Corresponding author e-mail: riza.unsal@tarimorman.gov.tr

### References and Notes

- Anonymus (2019). Registration Trials Report, Ankara, Turkey (in Turkish).
- Anonymus (2002-2018). Aegean Agricultural Research Institute Project Reports, İzmir, Turkey (in Turkish).