

Registration of “Sabribey” Barley (*Hordeum vulgare* L.) Variety

Sabribey is two rowed barley (*Hordeum vulgare* L.) variety (Figure 1) developed by Transitional Zone Agricultural Research Institute (TZARI) and registered in 2019. Sabribey cross is CWB117-5-9-5/ST5819//Kalaycı97 with YEA4193-0E-0E-0E-1E-0E pedigree. Crossing was made in 1998 and yield test began in 2004-2005 growing year.

Similar to cv. İnce04 and cv. Ünver, cv. Sabribey is two rowed cultivar and its spike is moderately long. Depending on the growing conditions, plan height varies between 85 and 100 cm. Since, Sabribey is medium early and has high adaptation ability, it can be grown all Medium Anatolian Region and Transitional Zone of Turkey. Thus, high yield can be obtained from both fertile and less fertile soils. Sabribey shows high tolerance to net blotch (*Pyrenophora teres*) and scald *Rhynchosporium commune* (formerly known as *R. secalis*) diseases.

When appropriate environmental conditions and good agronomic practices are provided, yield potential is high. The highest grain yields were 6254 and 6716 kg ha⁻¹ in Eskişehir location during 2017-2018 growing years, respectively. Average yield of the variety was 4600 kg ha⁻¹ in Eskişehir conditions. Suggested planting rate is between 400-450 seeds/m². Malting quality is good. Quality results of indicated that test weight 65.5 kg, thousand kernel weight 39.5 g, protein content 13.4%, sieve value 76.2%, hull content 9%, extract 75.9, extract difference 7%, friability 28.0% .

Pre-Basic and Basic seeds of the Sabribey cultivar have been produced by TZARI. Certified seed of the Sabribey are produced by both private companies and state farms.

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



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References and Notes

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