

Registration of “Akçalar” Hungarian Vetch (*Vicia pannonica* Crantz) Variety

Akçalar is a Hungarian vetch (*Vicia pannonica* Crantz.) variety developed by Transitional Zone Agricultural Research Institute and registered in 2019. Selection breeding method was used in breeding studies.

Morphological characteristics of the variety are as follows; ratio length/width of leaflet of second primary leaf in seedling is low, intensity of anthocyanin coloration on the base of the stem in seedling is weak, intensity of green color of foliage in plant is medium, time of beginning of flowering in plant is medium, hairiness of upper internodes in stem is strong, anthocyanin coloration of leaf axil in stem is medium, shape of tip of leaflet (on middle third of plant) in leaf is straight, width of leaflet in leaf is medium, anthocyanin coloration of nectaries in stipule is absent or weak, color of standard in flower is white, hairiness in pod is strong, length in pod (excluding beak) is medium, width of pod is medium, length of beak in pod is medium, number of ovules in pod is medium, seed weight is medium, seed shape is slightly irregular,

Ground color of testa in seed is greyish green, brown ornamentation in seed is speckles and blotches, extension of brown ornamentation in seed is large, blue-black ornamentation in seed is speckles and blotches, extension of blue-black ornamentation in seed is small, color of cotyledons in seed is orange.

Growth habit of Akçalar is erect and it grows to about 67-70 cm depending on the growing conditions. Akçalar is grown for herbage and seed. Green herbage yield, dry herbage yield, seed yield on average are 2740 kg da⁻¹, 690 kg da⁻¹, 140 kg da⁻¹, respectively. Quality characteristics of Akçalar as follows; thousand grain yield of it's seed is about 34.8 g, dry matter ratio is 91.83% (in herbage) and 92.08% (in seed), crude protein ratio is 18.92% (in herbage) and 28.01% (in seed), crude cellulose ratio is 26.22% (in herbage) and 6.5% (in seed), NDF (in herbage) is 44.21%, ADF (in herbage) is 33.06%, ADL (in herbage) 5.41%, RFV (relative feed value in herbage) is 132.9. Akçalar is resistant to pest and diseases. This Hungarian vetch variety is a winter crop for Central Anatolia and Transitional Zone and similar locations.

Figure 1. Flower and grain of the Akçalar variety (Original).



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References and Notes

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