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**VARIETY, YEILD AND QUALITY OF GRAIN**

**OF WINTER SOFT WHEAT**

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*The article is devoted to the results of breeding work on winter soft wheat at the Institute of Agriculture of the KBRC of RAS, which is carried out jointly with the Scientific Center named after P.P. Lukyanenko under the agreement on scientific cooperation between institutions and is aimed at obtaining new highly productive varieties of winter crops. As a result of joint work, a new variety of winter soft wheat Alievich was created by A.A. Romanenko, L.A. Bespalova, H.A. Malkanduyev, G.D. Nabokov, O.A. Zinovkina, R.I. Shamurzaev, L.M. Mokhova, A.Kh. Malkandueva.*

*The studies were conducted in the soil and climatic conditions of the steppe zone of Kabardino-Balkaria in 2014-2015. The variety was obtained by hybridization and individual selection in F2, F5 from a hybrid combination Beauty / League, short-stemmed (90-97cm), designed to produce food grains of good quality and characterized by a high level of grain productivity. Alievich variety is resistant to lodging, mid-season, with increased frost and drought resistance. The maximum yield by this variety was obtained in 2013-2015. in the Scientific Center n. a. P.P. Lukyanenko (92.7 c / ha), where the excess over the Grom variety cultivar was 10.5 c / ha, and over the Laureate variety - 8.7c / ha. In the ecological variety testing in the Institute of Agriculture of the KBSC RAS, on average for 2018-2019, the yield of the new variety was at the level of 58.2 c / ha, while the standard is 48.5 c / ha. In terms of grain quality, the variety belongs to strong wheat. Against the background of artificial infection, it has immunity to smut, high resistance to brown, yellow rust and powdery mildew, resistance to Septoriosis. Susceptible to fusarium spike and smut. The sowing rate is 5 million germinating seeds per 1 ha, the sowing time is optimal for the cultivation zone. It is recommended to sow at the optimum sowing time, on a high and medium agricultural background. The variety of winter soft wheat Alievich was included in the State Register of Breeding Achievements of the Russian Federation in 2020. The patent of the Russian Federation No. 10900 of 02/11/2020 was issued for the variety [1].*

**Keywords:** adaptability, variety, winter wheat, productivity, grain quality, protein and gluten content.

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