

NEW VARIETY OF BARLEY FOR CONDITIONS OF NORTH CAUCASUS

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The growth of grain production remains the main problem in the development of the agricultural sector in Russia, including the North Caucasus. One of the most productive crops in this area is winter barley. It makes better use of the autumn-winter reserves of moisture, spends them more economically, gives a yield significantly higher than spring crops, which makes cultivating this crop more profitable. The cultivated area in the Russian Federation reaches 700 thousand ha, in connection with which the creation of new varieties is an urgent issue. So, the yield of winter barley in 2018 in the Krasnodar and Stavropol Territories, the Rostov Region was 36.5ct / ha, and in 2019 in the Russian Federation 41.4 c / ha, which is 1.8 times higher than spring barley.

One of the main conditions for obtaining high yields is the use of new varieties adapted to the climatic conditions of a particular region. Based on this, the task of our research, when creating the variety, was to increase productivity by improving adaptive properties and resistance to leaf-stem diseases. As a result of joint work with breeders of the NPP named after P.P. Lukyanenko, a new variety of Insar winter barley of feed direction was created with a potential yield of more than 90c / ha. Dobrynya 3, Babylon and Radical participate in the pedigree of the variety. Over the years of competitive testing in the NCP named after P.P. Lukyanenko (2013-2015) for three predecessors (spikes, sunflowers, white mustard (siderates), the yield of the Insar variety was 89.4 c / ha, standard 81.1c / ha, with this new variety provided an increase of 8.3 c / ha. The maximum yield obtained by the predecessor was white mustard - 107.4 c / ha, which is 11.7 c / ha higher than the Fedor standard. The cultivar is characterized by lodging resistance, winter hardiness and high drought resistance.

The article notes the role of the variety in increasing productivity, provides data on economically valuable traits and technological properties of Insar. The Insar winter barley variety is protected by patent No. 10899 of the Russian Federation [1].

Keywords: winter barley, variety, productivity, grain quality, resistance to lodging and diseases, adaptability.

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