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ENVIRONMENTAL TEST RESULTS OF NEW VARIETY IN WINTER TRITIKALE INAL

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The data on a new highly productive variety of winter triticale Inal, created by the efforts of scientists from the Institute of Agriculture of KBSC RAS and FGBNU "Grain Scientific Center named after P.P. Lukyanenko ". The Inal variety is intended for cultivation for grain fodder. For food purposes, it can be used for baking cookies and bread using rye technology, for preparing alcohol, for the production of bioethanol. The maximum yield of the Inal variety was obtained in the Krasnodar Territory at the "Grain Scientific Center named after P.P. Lukyanenko " according to the predecessor corn for grain - 98.1 c / ha, by steam - 96.1 c / ha, according to the predecessor sunflower - 89.3 c / ha, for wheat - 84.5 c / ha. In the conditions of Kabardino-Balkaria, on average for 2018-2020. the variety produced 56.7 centners per hectare.

The variety is recommended to be sown on a medium agricultural background of cultivated and spike predecessors. The Inal variety, against the background of artificial infection, is immune to powdery mildew, brown and yellow rust, dusty and hard smut. Moderately resistant to pyrenophorosis, moderately susceptible to spike / grain Fusarium. Medium late variety, hatching out at the level of the standard Brat variety, medium-sized, plant height up to 130cm. On a high agricultural background, it is prone to lodging. Increased frost resistance. The grain is large, light red, elongated, the weight of 1000 grains is up to 55g, the nature is up to 722g / l, the protein content is from 13.3 to 16.1%. The potential yield of the variety is about 100 c / ha. The winter triticale variety Inal has been successfully tested at the variety plots of the Russian Federation located in various soil and climatic zones of the country. Since 2020, the variety has been included in the State Register of Breeding Achievements of the Russian Federation and approved in the Central (3) and North Caucasian (6) regions. Protected by a patent.

Keywords: winter triticale, new variety, yield, 1000 grain weight, protein content, disease resistance.

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