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## **ECONOMIC AND BIOENERGETIC EVALUATION OF SEED CULTIVATION OF WINTER TRITICALE VARIETIES IN WESTERN FOREST-STEPPE ZONE**

Innovation and marketing activities are becoming increasingly importance in the links between science and agricultural production. The potential of developments for agro-industrial production is significant, but at the present stage of management is not used enough. Today manufacturers are focusing their efforts on obtaining high economic performance.

The economic efficiency of seed production in the region is determined not only by the level of yield, but also by the sowing quality, which makes it profitable to conclude licensing agreements on the use of new varieties and high seed generation. In market relations agricultural production must produce competitive products that must match the purchasing power of consumer and be profitable to producer. Reducing of seeds cost has great economic importance and depends on the proper use of new varieties.

The role of variety as object of intellectual property and agricultural production has changed and it has become real market object.

Intensification of seed production affects on conditions of production, acceleration of variety replacement, increases the requirements for formation of crops varietal structure.

The preservation of significant differences in natural and economic conditions of grain crop cultivation in regions and in particular farms necessitates an objective need to sow several varieties at the same time, to occupy an appropriate area for them at time of their distribution.

The most acute problem of agricultural production today is lack of working capital for purchase of material and technical resources, so the use of variety potential, its rapid introduction into production on resource-saving growing technology is the main task of seed industry.

The economic and energy efficiency of seeds cultivating of winter triticale for the most productive varieties of Forest-Steppe and Steppe ecotypes of various institution-originators in the conditions of the western

Forest-Steppe has been given. It has been established that with the use of ecologically plastic varieties adapted to specific soil and climatic conditions, the level of profitability of seed production is 81–82 %, the energy efficiency ratio – 3,8–3,9.