«Assessment of Influence of Biostimulating Medicines on Milk Cheeseability of Cows»

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Problem statement

• Today scientists use their accumulated experience in processing of high-quality milk production and concentrate on perfection of technical methods of production and optimization of component structure of milk aimed at increasing their food and biological value. Great attention is paid to problems of development of the qualitative products capable to fully satisfy physiological needs of people for energy and nutrients.
Solution methods

- Scientific and economic experiment was carried out in 2014 in the conditions of the dairy and commodity farm of LLC “Demetra” located in Uvelsky district of the Chelyabinsk region. To hold the experiment 5 groups of first-calf heifers of black and motley breed, up to 10 heads in each have been created. The division was based on the principle of analogs. The selection of animals was made according to the following criteria: live mass, dairy efficiency level, month of calving and their physiological state.
Having analysed obtained data it is possible to draw a conclusion that all samples of the milk received from cows during scientific and economic experiment conformed to requirements for the indicators characterizing its cheeseability properties.

Introduction to the diet of “Irkutin” (biostimulator) and extract of an eleutherococcus spiny has exerted positive impact on the content of fat and protein in milk of firstcalf heifers. Milk of animals of the IV experimental showed the best cheeseability qualities. It coagulated under the influence of lab quicker, forming a dense and elastic clot. Time for its processing was reduced.
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