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MILK PRODUCTION WITH THE USE OF ENSILAGE GRASS-LEGUME MIXTURES

The increase of yields, particularly in cows, is achieved due to the balanced feeding and simultaneously implies a higher cost of exchange energy for the formation of products. The type of diet, nutrients absorption, energy costs are the main factors that have a direct impact on the productivity of animals. In addition, for the manufacture of benign feeds need to use ecologically pure raw materials. Grass mixtures of grass-legume composition are the better compared to corn silage.

Food, manufactured on their basis, better digested and assimilated. At the expense of the legume component increases the amount of nutrients available for absorption of protein, vitamins and mineral elements. For the manufacture of grain and sinage used mixture with seeding rate of crops (kg/ha): *Echinocloa frumentacea* – 9, broad bean – 83, winter vetch – 45, pea – 90. The study of their chemical composition is conducted. On their basis determine the optimum variant for use in production terms. This mixture differs favorably from traditional corn silage for contents of dry and organic matter, protein, the better meets with physiological needs of the animals. In addition, the use of mixture of *Echinocloa frumentacea* with winter vetch, fodder beans, peas in the May sowing time gives the opportunity to get in the summer-autumn period safe and nutritious raw materials for the manufacture of silage and grain and sinage. The resulting food is not only top quality, but also has a positive effect on animal health. Nutrients and bioactive substances such feed contribute to better nitrogen utilization for milk production, the loss of nitrogen in this are below.

For preparing grain and sinage the mixture is mowed in the phase of milky-wax ripeness of *Echinocloa frumentacea* grain, and in a phase of blue-gray beans in legumes. One dairy cow with live mass of 500 kg and productivity of 5000 kg should be fed to 22 kg of silage or 18 kg grain and sinage. The use of such forage allows to get 20,2 kg and at the same time to save of concentrated feeds.