

**Research Regarding the Effect of the Methionine Hydroxy Analogue Used in the Feeding of High Productivity Cows During the Early Lactation Period**

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**Abstract**

*Supplementing the ration of dairy cows with methionine hydroxy analogue (0.3% in the structure of mixed forage) improves the production of milk, the degree of food capitalization and reduces the losses of body mass during the first weeks of lactation in cows with high productions of milk. The methionine hydroxy analogue did not influence the daily production of milk and its content of fat-free dry substance, but, on the other hand, it increased the production of fat, that is the milk's content of fat, which led to the increase with 7.91% in the production of milk corrected according to the content of fat. In the presence of the methionine hydroxy analogue, the degree of capitalization of the food improved and, especially, the consumption of concentrates for 1 liter of milk corrected according to the content of fat decreased 4.10%.*