

## **THE IMPORTANCE OF COMPUTERIZED RATIONS AND THEIR IMPACT IN A DAIRY COW FARM IN THE BOTOȘANI REGION**

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### **Abstract**

The nutrition of dairy cows plays a very important role especially in terms of farm economy, efficiency and health of dairy herds. Unfortunately, in many farms this aspect is treated superficially and economic efficiency is not maximized in order to obtain the highest milk yields and efficient use of feed. In view of the above, we have chosen this topic in order to achieve the most efficient computerized ration in the herd under study. In this case we followed, over a period of 10 weeks, the impact of the computerized ration and the control ration on milk production both in terms of quantity and quantity, and on feedstuff usage optimization. Another aspect followed was the economics of forage and finance in the farm. The study also relied on chemical analysis of the feed to determine the quality of the feed. For this we determined the chemical composition of the feed by looking at the amount of protein, cellulose, fat, then followed the actual implementation of the ration and at the end all the data was collected to show the efficiency of this study. There were two experimental batches, grouped by weight and productivity, also the control batch was followed. During the 10 weeks we noticed that the feed quantity was lower and the milk yields remained relatively constant with little impact on milk chemical composition. In this way we have successfully highlighted the importance of implementing such specialized computer software in a dairy farm where rations are made without a scientific basis.

**Key words:** dairy cows, ration, economy

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