

Milking frequency influence on milk yield and milk composition on the first 100 days of lactation

S u m m a r y

Dairy milk yield depends on a lot of factors: genetics, feeding and quality of pasture, housing conditions, health and others. One of the factors includes the number of milking per day, as well. The experiment was carried out in modern cow's house with automatically milking hall of the experimental dairy farm at Kostkowice. Dairy cows included into the experiment were in the second and third lactations with at least 10 220 kg of milk production. During the experiment half of udder was milked three times a day, the other part two times a day. Milk yield, chemical composition, somatic cell count and total bacterial number were analysed. Milk yield in the group with three milkings per day was about 16.6% higher comparing to milk yield in the group with two milkings per day. The protein and fat content and somatic cell count were comparable. As observed, the total bacterial count decreased in the milk from the group of cows with two milkings per day.