

INFLUENCE OF COWS UDDER PREPARATION AND OVERMILKING ON MILK SOMATIC CELL COUNT

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Summary. To analyze the impact of somatic cell count (SCC) according cows udder preparation and overmilking the data was collected in 2 dairy farms. At the farm A cows were milked using automatized milking equipment DeLaval „Milkmaster“ and at the farm B cows were milked with non-automated „Interpuls“ milking equipment. All cows were milked twice daily.

Duration of main milking procedures (cow teats preparation before milking, milking time, over-milking) was recorded. Data on milk, fat and protein yield and SCC were collected. The mean duration of pre-milking udder preparation at farm A was 42 s and overmilking – 17,03 s. Furthermore, the mean duration of pre-milking udder preparation at farm B was 46,03 s and overmilking – 24,35 s. There was a tendency, that SCC in milk was significantly correlated to udder preparation and over-milking time ($P < 0.01$). In both farms a significant correlation between milking duration and udder preparation time before milking was registered ($P < 0.05$ and $P < 0.01$).

Keywords: milking procedures, SCC, cows.