

RELATIONSHIP BETWEEN MILK YIELD, MILKING PARAMETERS AND UDDER EVALUATION OF CZECH WHITE GOATS

Birutė Šlyžienė, Vida Juozaitienė, Evaldas Šlyžius

*Department of Animal Breeding and Nutrition, Veterinary Academy, Lithuanian University of Health Sciences
Tilžės g. 18, LT-47181, Kaunas, Lithuania, phone +37068922573; e-mail: evaldas.slyzius@lsmuni.lt*

Abstract. The aim of this study was to estimate milk yield, milk flow traits and their relationship with the udder score. Milking traits of 97 Czech White goats, which were milked into a milk line, were studied using the Lactocorder® device (Lactocorder® WMB AG, Switzerland). Following evaluation of parameters of goat milk yield in different lactations the highest total milk yield were established in the II lactation goats. The longest duration of the total milking were established in the III and later lactation goats, while the time highest milk flow were established in the II lactation goats. Having analysed the duration of the milking phase, it has been established that duration of the main milking phase, duration of the plateau phase and duration of the descending phase in the III and later lactation goats were correspondingly 0.19, 0.25 and 0.26 minute longer than the average indicator ($p < 0.05$). The highest milk flow rate and the highest average milk flow were in the I lactation goats. Having performed the analysis of the assessments of the goat udder milking traits according to the udder score and the evaluation of the dairy breeding goats, it was established that the goats with higher assessment scores have better milking parameters. Previously, selection of the dairy goats were based on the assessment of the morphological traits due to lack of registration of the productivity data. Today, in addition to the productivity data, the goat farmers in many countries use milking parameters in selection as well. These are important parameters, which must be registered and evaluated, because they provide information, which can facilitate management of goat farming.

Keywords: goat, udder, milk, milking parameters