Research on the Milk Production Performance of Biological Material Raised and Exploited in Two Farm from Cluj County

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SUMMARY

This research work was conducted on a total of 305 heads of cow in lactation which realized 971 lactations; its purpose is to highlight the main requirements and features for breeding and milk production in the particular case of the cattle population reared on the two farms of Viisoara, while pointing out the opportunities for technology optimization and service growth. S.C. Ada Prodcom SRL and S.C. Nora Ly SRL are a cattle breeding farms and cattle operation center, located in Cluj County, the Viisoara area – suburban common of Campia-Turzii City.

In order to present the main indices of milk production for cattle population on the both farms as well as adopt the most appropriate improving system and the most suitable exploiting technologies, we used the entire existing herd of cows in the unit at that time. In this context, we sought to establish age at first calving, gestation length, total lactation period, normal lactation period, the main features of qualitative and quantitative, total and normal lactation milk production (lactation period, milk production, fat percentage, protein percentage, total fat and protein), and also mammary repose and the main breeding features.

The results obtained provide an efficient and accurate characterization of the entire population; using these results as a starting point, we may determine and propose solutions regarding the improvement of cattle population on SC Ada Prodcom SRL and S.C. Nora Ly SRL holding and accordingly establish a strategy. Summarizing the main indices of breeding and production on the entire population and the number of concluded lactates, we may describe the cattle population exploited for milk production in SC Ada Prodcom SRL farm and S.C. Nora Ly SRL by the following: age of first calving performed on average 33 months, respectively 40 months; service period is regularly averaged 90 days; regarding the average yield per normal lactation at farm level, 5217±42.60 kilograms with 3.77% fat and 3.07% protein for SC Ada Prodcom farm; and 5011,65±90,63 kilograms with 3.95% fat and 3.27% protein for SC Nora Ly SRL farm, with individual production exceeding 10000 kg milk in both farms, are values which establish the population studied among the most valuable of Cluj county and surroundings. In this respect, the main productive traits established emphasize the level of production performances obtained at present and allow the drafting of technical and organizational solutions leading to superior zoo-economical indices.

REFERENCES