

CORRELATIONS BETWEEN THE ADAPTIVE CAPACITY IN BUCOVINA OF LIMOUSINE COWS AND THE NUTRITIONAL QUALITY OF THE MILK

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Abstract

The Limousine breed is spread on all continents in 64 countries, and Romania will be the 65th country in which it is trying to adapt this breed of cattle. Limousine is currently ranked No. 1 in England and is highly regarded in other countries, including France, No. 2, Canada, No. 2, Italy, and the United States. 3rd place. The main objective of this project is to observe the adaptability of the Limousine breed to the geo-meteorological conditions recorded in northern Romania, the Bukovina region. The aim of the paper is to evaluate from a nutritional qualitative point of view the raw milk obtained from this breed. The investigations were carried out to establish the degree of freshness, integrity and we monitored some physical-chemical and hygienic parameters of the raw material milk. Sampling was done directly from the collection vessels after milking and filtration mainly in the hot season, and their processing was done in the Food Control Laboratory of the Faculty of Veterinary Medicine Iasi, where a number of 38 milk samples were processed. Following the analysis of the samples, a number of 8 samples were inadequate in terms of organoleptic examination and integrity. Deviations from the organoleptic characteristics of the parameters of appearance, color, smell, and taste represented a percentage of 21.05%. The determinations of the Physico-chemical parameters were classified as inappropriate a number of 10 samples which represents a percentage of 26.31% of the total samples collected.

Keywords: cow's milk, Limousine cattle breed, physicochemical parameters, hygienic quality