

MILK COMPOSITION AND ITS DENSITY IN DAIRY COWS IN LITHUANIA AND COEFFICIENT OF COUNTMENT OF MILK VOLUME TO IT'S MASS

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Summary. Milk composition and its density in dairy cows were investigated in Lithuania. The aim of performed study was establishment of more precise conversion coefficient of milk volume to it's mass. The limits of fluctuation of chemical composition of milk and milk density were determined. The correlation coefficient for density of milk and: milk protein (0.426), milk fat (0.313), and dry milk matter (0.534) were estimated. It was determined that precise density of milk, from different regions of Lithuania in different seasons of the year at 20°C temperature is 1028 kg/m³ (1.028 g/cm³). Therefore, the conversion coefficient 1.028 for the supplied milk mass, if the actual density of bulk milk is not being estimated, can be applied in Lithuania.

Key words: milk density, fat, proteins, dry milk matter.