

## COMPOSITION OF MILK AND BLOOD METABOLITES IN HIGH PRODUCTIVITY DAIRY COWS ON PASTURE

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**Summary.** The study has involved a comparison of yield performance of Holstein-Friesian cows (n=38) fed conserved feeds (grass silage, maize silage, ensiled beet pulp) with their analogues grazing on pasture. Pasture grazing increased the milk yield performance of cows compared to the diet of conserved feeds, which increased level of urea in the milk. The basic chemical composition of milk did not varied significantly between different feeding systems. However, daily fat level in milk slightly increased when cows were on green pasture fodder.

**Keywords:** dairy cows, feeding systems, performance, blood metabolites.