Abstract

The purpose of this study was to investigate the influence of race and feeding dairy cows on milk production and composition.Forty-eight Holstein cows of Holstein and Montbeliarde race were put at experiment in real farming conditions for a period of 3 months. Cows were fed in addition to hay and straw, a concentrated corn and soybean meal diet or a diet enriched with concentrated distillers grains with solubles (32%) in partial substitution of corn and soybean meal. Introduction of distillers grains involved an improvement of milk production with an average of 2.46 l / day ($P<0.05$), especially in Holstein race which showed the highest levels of production. It involved, also, a significant increase ($P<0.01$) in fat content, in particular unsaturated fatty acids (+1.85 %), compared with saturated fatty acids (-1.87%). In addition, Holstein milk is higher in fat content and less rich in proteins than Montbeliarde milk