

AN ENVIRONMENT INFLUENCE UPON COWS HEALTHINESS IN DIFFERENT PROJECTS OF COW-SHEDS

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Summary. This work was aimed at determining and evaluating the hygienic sanitary microclimate parameters in different cow-sheds, and comparing cows healthiness kept in different conditions. The air hygienic sanitary parameters in cold cow-sheds was determined. The parameters were better than those in ordinary cow-sheds in Muniškiai. Air dustiness, bacterium and mycological contamination were lower in cold cow-sheds in comparison with those of the ordinary farm. The most significant difference is observed in the micromicet amount on Saburas medium ($0,01 < p < 0,001$). The amount of micromicet was three times less in a cold cow-shed. Mild winter (1999-2000) doesn't have any influence on cows general healthiness. The incidence of some diseases (rumen atonia, paresis puerperalis, pneumonia) was lower in Lumpėnai, but in this farm a higher amount of trauma in comparison with Muniškiai was registered. A high amount of mastitis and endometritis in both cow-sheds was determined.

Keywords: low temperature, microclimate, cow-shed, the healthiness of animals, fungus, microorganism.