

## **The efficiency of the use of robotic milking systems in selected countries of the EU and U.S.**

### **Summary**

The aim of this research was to compare selected milking parameters (number of cows per automatic milking system (AMS), average milking frequency, number of refusals, box time, milk flow rate, milk yield and composition, chewing activity of cows, concentrate intake per 100 kg of milk production) in some countries of the European Union and in the United States. Numerical data were obtained from the Lely data registration system during the period from January 2012 to December 2013. The statistical analysis was carried out using analysis of variance and Tukey's test. It showed a highly significant impact of the country on all tested milking parameters, which demonstrates the diverse genetic potential of cows, but also the diversity of their feed, which translates directly into the composition of the feed ration.

**KEY WORDS:** automatic milking system, country, cow, milk