

Lifetime dairy production efficiency of cows descending from bulls from various countries

S u m m a r y

Lifetime dairy production efficiency was compared in 847 cows with over 87.5% of Holstein-Friesian breed in their genotype kept in 97 dairy herds in the Voivodeship of Lublin in the period 1995-2008. The cows descended from 98 Holstein-Friesian bulls from Poland, 111 bulls from Holland, 116 bulls from Germany, 52 bulls from France and 21 bulls from Canada. The data obtained in the present study were statistically elaborated using a Statistica software. It was found that the best lifetime parameters of milk performance and coefficients of performance efficiency were observed in the daughters of the bulls from Holland and Canada. They reached the highest lifetime milk, fat and protein content and VCM efficiency and the highest, statistically significant, VCM efficiency per a day of life, milking and rearing performance and per one year of life and performance. However, the cows descending from the bulls from Holland and Canada were characterized by the highest percentage of cullings due to metabolic and digestive diseases.