

## Relationship between 100-day lactation and lifetime milk performance of cows

### S u m m a r y

The study was investigation based on breeding documentation data about 1450 dairy cows in OHZ Osiecin over 1990-2003. The study covered 100-day lactations and lifetime performance of cows. Numerical data were verified statistically with the Spearman correlation coefficient between some milk traits in 100-day and in lifetime performance and GLM procedure, including the effect of basic factors. A high relationship between the fat and protein content of milk in 100-day lactation and the results of lifetime performance was found. There was a negative relation between milk yield in 100-day lactation and in lifetime performance traits, too. Apart from that it was found that primiparas producing 2500-3000 kg of milk, with 3.50-4.00% content fat and up to 2.90% protein had the highest lifetime milk production.