

## The influence of ewes' type of birth and type of her parents birth on chosen production traits of sheep

### S u m m a r y

The objective of present study was to analyse reproductive indicators in 18 Polish Merino flocks located in Kujawsko-Pomorski region in 1991-2002. The effects of studied factors and interactions between them were estimated using LSM method. Values of reproductive traits in the examined period were similar to corresponding values obtained in the country for Polish Merino. Significant differences in reproductive traits between particular flocks were observed. The ewe type of birth affected significantly the average litter size and reproductive performance traits within the first three lambings. The type of birth of ewe's dam and sire did not affect her reproductive traits. Several interactions between studied factors, which modified studied reproductive indicators were observed.