

Piotr Stanek, Zygmunt Litwińczuk, Przemysław Jankowski, Witold Chabuz

Effect of share of Limousine and Hereford genes in crossbred cows' genotype on body conformation after successive calvings

S u m m a r y

The study included 449 cows with different share of Hereford breed and 312 cows with different share of Limousine breed. It was found that the share of beef breed influenced significantly body weight and conformation of heifer cows and adult cows i.e. after the IIIrd and next calvings. Pure-bred Limousine cows indicated significantly higher body measurements than crossbreds, and had significantly the highest body weight (617.1 kg) at IIIrd and next calvings. In Hereford cows, particularly in heifer cows higher body measurements and body weight were found in crossbreds than in pure-bred cows. Following next calvings these differences distinctly decreased, and in consequence adult Hereford cows achieved significantly higher body weight (562.1 kg) than crossbreds (544.2 kg).