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Changes in the level of production traits in Polish Holstein-Friesian cows of Black- or Red-and-White variety

S u m m a r y

Investigations were carried on 432 cows maintained in free stall system on a farm situated in the south-west of Poland. The aim of the work was to compare the rate of change in milk performance parameters in Polish Holstein-Friesian cows with different contribution of Holstein-Friesian genes maintained in similar environmental conditions in the first five 305-day lactations. The satisfactory dynamics in the increase of production traits increase of subsequent generations of crossbred cows was observed. The level of production traits in Black-and-White variety in subsequent 5 lactations was significantly higher than for Red-and-White cows. Maximal values of the estimated reproductive traits were mostly obtained in the III lactation cows.