

## Analysis of performance test results of purebred young boars

### S u m m a r y

The aim of study was to analyze performance test of 10 818 purebred young boars of Polish Large White, Polish Landrace, Hampshire, Duroc, Pietrain and Line 990. They were produced in Bydgoszcz Breeding Region (covered Kujawy-Pomorze Province) and performance tested in years 2004-2008, according to actual obligatory methodology. The results were statistically elaborated using two-factor variance analysis ANOVA. The tested factors included genetic groups of pigs (1-6) and years (2004-2008) when the performance test has been carried out, assumed as 1-5 groups. Among the tested young boars, the most favourable results of performance test showing the highest breeding value in range of growth and slaughter traits, expressed as selection index were obtained by young boars of Pietrain breed. It was stated in all the tested years except for year 2008 when the young boars of Hampshire breed obtained the first position. In the years 2004-2008, selection index of the young boars of Pietrain breed amounted averagely 115.7 points and was higher than that one for the pigs of the remaining groups by 6 points (Hampshire); 11.3 points (Polish Landrace); 11.9 points (Polish Large White); 16.1 points (Duroc) and 22.5 points (Line 990), respectively.