

Analysis of performance test results of young F₁ crossbred boars

Summary

The object of research included 12 872 young F₁ crossbred boars coming from 9 following crossing variants, where sow breed was given in the first position: Belgian Landrace x Duroc (BL x D), Hampshire x Belgian Landrace (H x BL), Hampshire x Duroc (H x D), Hampshire x Pietrain (H x P), Duroc x Belgian Landrace (D x BL), Duroc x Pietrain (D x P), Pietrain x Hampshire (P x H), Pietrain x Duroc (P x D) and Line 990 x Pietrain (990 x P). Young boars were produced in Bydgoszcz Breeding Region covering the Kujawy-Pomorze Province and their life performance was tested in 10 following years, i.e. 1995-2004 with accordance to the obligatory methodology at this time. Significance of differences in range of performance test results between particular genotypes of young F₁ crossbred boars in given year and in total comparison of the results from years 1995-2004 was verified by Duncan test. Among the tested young boars the most favorable performance test results proving the best breeding value regarding to growth and slaughter traits were obtained by P x H crossbreds (127.6 points). They had the highest growth rate and were found on the second place after 990 x P group in respect of meat content. Following in the range of performance test selection index were BL x D (125.3 points), P x D (124.8 points), H x D (123.3 points), D x P (122.4 points), D x BL (121.5 points), H x P (120.3 points), 990 x P (117.4 points) and H x BL (114.5 points).