

THE PECULARITIES OF THE SEX ORGANS DEVELOPMENT AND OF PUBESCENCE OF THE PURE – BRED AND CROSS – BRED GILTS

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Summary. During our study we have analysed the influence of various pig crossing upon physiological and reproductional characteristics. Lithuanian White (LW), Belgium Landrase (BL), Finish Landrase (FL) and Swedish Yorkshire (SY) were selected for the analysis. Evaluating the growth rate, we have found that 33% of 3-4 month age LW and BL gilts showed primary signs of heat. At age of 5-6 month primary signs of heat were seen in all groups of gilts, however they were more frequent in the groups of crossbred animals. At the age of 7-8 months 83.3% of crossbred BL, 66.6% of SY and only 50% of LW pure-bred gilts were in heat. There were no differences between pure-bred and cross-bred gilts in their quantitative blood immune indices. During the period of animal growth their dynamics was somewhat similar. Significant differences were found between groups in the sex organs of gilts. Differences in the length of the horn of uterus, in the length of the left side of the uterine tube and in the weight of the left side of the ovarine were statistically significant.

Keywords: sex organs, cross-bred, pure-bred, hormone, immunoglobulins, total proteins