

COMPARATIVE ANALYSIS OF SEMEN SAMPLES FROM HEALTHY AND CULLED AI BOARS

L. Šermienė, H. Žilinskas, V. Riškevičienė, A. Banys

Summary. The test boars were divided into two groups. The first group (Gr. I) consisted of healthy animals and the second group (Gr. II) consisted of animals that ought to be culled. Sperm concentration, progressive mobility and the percentage of abnormal spermatozoa were assessed in the semen samples. The objective was to determine the causes of boar culling.

We found that both the quantitative and the qualitative semen parameters of the two groups of boars differed significantly. The mobility of semen samples from the culled boars decreased up to 6,5 points. The amount of abnormally shaped heads, namely - pear shaped and narrow at the base, increased up to 12,9% compared with the semen samples from the healthy boars. The total amount of pathological spermatozoa was 30,7% and 8,6% from the culled and the healthy ones respectively.

Keywords: boar, spermatozoa.