

SPERM PARAMETERS FROM DIFFERENT BREEDS OF BOARS

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Summary. This study was aimed at determining the differences in various sperm parameters, such as volume, concentration, number of pathological spermatozoa and several breeds of boars evaluating usefulness of various commercial extends (BTS, MR-A and ANDROHEP) on sperm survival, conception rate and the number of offsprings produced.

We found that He x Pj crossbred boars have the largest volume of the ejaculate (316,532 ml). VD had the highest sperm concentration (0,444 billions/ml). Most common sperm abnormalities were abnormal tails ($7,31 \pm 1,85$ %) and heads ($6,34 \pm 1,7$ %). Very few proximal and distal droplets were also observed.

The longest spermatozoa survival was in sperm diluted with ANDROHEP ($4,50 \pm 0,34$ days). The greatest conception rate was in sperm diluted with MR-A ($76,6 \pm 6,60$ %). The magnitude of farrowing rate was independent on the type of the extender used.

Keywords: sperm, volume of ejaculate, sperm concentration, pathologic spermatozoa, diluents.