

Semen quality of Duroc boars

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Abstract

On one DanBred AI station, the semen quality of Duroc boars was investigated. The study included measurement of the number of progressively motile sperm cells three days after production, the number of live sperm cells three days after production and the number of defect sperm cells. This study forms the basis of a trial concerning the effect of semen of reduced quality mixed with high-quality semen.

The results revealed that four of the 97 boars were categorised as poor in all three parameters and five boars were categorised as good in all three parameters. The rest of the boars had combinations of good and poor results.

In future trials concerning the effect of semen of reduced quality mixed with high-quality semen, the boars must be selected on the basis of the following criteria. Boars categorised as good must be categorised as good within the number of normal sperm cells and within the number of motile sperm cells and must be above average within the number of live sperm cells. Boars with reduced semen quality must be categorised among the poorest within the number of normal sperm cells and within the number of motile sperm cells.