

## **Fertility and sexual behaviour of the crossbred Pulawska x Polish Large White gilts, as fed with the mixtures with the participation of naked oats**

### **Summary**

The paper contains the evaluation of the influence of feeding the Pulawska x Polish Large White swine hybrids using mixture feeds containing naked oats on reproduction performance indicators. The study involved 60 gilts divided into 3 groups: group I received a full-rate mixture with 40% participation of naked oats, group II with 20% naked oats, and group III – control, fed with a full-rate mixture without naked oats. Three consecutive spontaneous oestruses were observed at experimental gilts, the sexual activity of which was assessed during each oestrus. Gilts were mated during their third oestrus. The assessment of reproductive performance included: age at the first farrowing, number of live-born and reared piglets, as well as the litter weight at 21<sup>st</sup> day. The study showed that gilts fed with mixtures containing naked oats reached their sexual maturity sooner as compared to those from the control group. Feeding the sows with the mixtures containing naked oats had a positive impact on reproduction indicators.

**KEY WORDS: gilts, naked oats, sexual activity, reproductive performance**