

Ekofish Meal in feed of growing pigs

This experiment was taken in production unit on pig farm B.D. Polje during november and december of 2007. The aim of experiment was to examine nutritive effects of Ekofish Meal in pig feed concentrate, from weaning period till fattening period. An experiment group was fed with this concentrates while a control group was fed by concentrate used in normal feed procedures.



Making recipes for concentrate used in experiment, it was specially taken care that level of proteins, amino acids and mineral-vitamin composition of concentrate in both cases to be the same.

Results

Parameter	Experimental group (1)	Control group (2)	Difference (1 - 2)
Num at beginning of experiment	417	401	16
Average weight at beginning of experiment	7,00 kg	7,20 kg	- 0,20 kg
Age at beginning of experiment	31,7 days	28,00 days	+ 3,7 days
Num of dead pigs	20	20	-
Num scrab	16	-	+ 16 kom.
Num at the end of experiment	381	381	-
Age at the end of experiment	67 days	66 days	+ 1 days
Average weight at the end of experiment	19,50 kg	18,98 kg	+ 0,52 kg
Weight gain in experiment	12,50	11,78	0,72 kg
Average daily weight gain	0,354 kg	0,310 kg	+ 0,044 kg
Daily feed consumption	0,640 kg	0,629 kg	+ 0,011kg
Feed conversion	1,810 kg	2,029 kg	- 0,219 kg

Based on results shown in table following comments can be given:

Pigs in experimental group had less average weight at beginning of experiment (7.00kg) compared to control group (7.20 kg), although pigs were 3.7 days older. Probably, it was caused by bigger number of piglets with less weight in experimental group at the beginning of experiment, what as consequences, had a bigger number of scrab piglets (16) in experimental group. For better understanding of results, weights, feed consumption and number of feeding days of these piglets wasn't taken in consideration.

During the experiment, pigs in experimental group had better daily weight gain (0.044 kg), bigger consumption (0.011kg) and lower feed conversion (0.219 kg) compared to the control group, in both groups 20 pigs died.

Conclusion

Experiment was organized in production conditions, so even if we wanted to avoid non controlled influences of factors on results, their influence was noticed. As individual weight measurements of pigs at the beginning and at the end of experiment wasn't taken, it wasn't possible to give statistically objective evaluation of significant differences and even of influence of used Ekofish Meal. Still, it is an individual estimate that piglets in experimental group had bigger weight gain than piglets in control group, with lower feed consumption per kilogram of weight gain (0.219 kg/kg).

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