

# Ekofish Meal in pigs feeding

In intensive production, we breed pigs with very high genetic potential for certain productive and reproductive quality. In last decades swine breeding was represented by constant improvement in all parameters of production. Relative to this, it is necessary to provide optimal living, health and feeding conditions for swine. Without it, animals are not able to show maximum of its genetic potential for certain productive qualities.

Better knowledge of swine feeding and physiological needs of certain categories of swine in nutritive material and improvement of efficiency of use are basic preconditions of modern feeding.

In this study, we want to show experimental results of use of one our protein feed for fattening pig, "Ekofish Meal", which is produced in fabric of oil and proteins "Bioprotein" Zemun.

In control and experimental group of fattening pig in category from 25 to 100 kg, it was used same one protein feed from beginning till the end of fattening period. As manufacturer declared that "Ekofish" is herbal replacement for fish meal, in control group we used a fish meal of high quality with 72% raw proteins and 5% of raw fat.

## EKOFISH MEAL – herbal replacement for fish meal

**Ingredients:** Low fat moderately toasted soybean powder, rice protein, potato proteins, isolated soybean protein, calcium carbonate, amino acids (lysine, methionine, threonine), vitamin E, enzymes antioxidant.

**Chemical composition:** water max 8,0%, ash 7,0%, fat 5,0%, proteins 60%, cellulose 4,0%

**Effects :** It is added to full (5-10%) and additional (15-20% ) powder mixes for all kinds and categories of livestock.



## Experiment "Ekofish" – comparative indicators for experimental and control group

Indicator	Experimental group	Control group
Mixes	16,7 % protein, 0,9 % lysine	16,5 % protein, 0,9 % lysine
Number of pig in fattening	43	41
Average body weight at beginning of fattening period kg.	25,2	25,7
Total body weight at beginning of fattening period, kg.	1.084	1.054
Num. days of fattening	106	106
Mortality / %	1/2,3	-
Total num. of fattening days	4461	4346
Average body weight at the end of fattening period, kg	103,6	99,2
Total body weight at the end of fattening period, kg	4.351	4.067
Total weight gain in fattening, kg	3.267	3.013
Average daily weight gain, kg	0,732	0,693 (5,32%)
Feed, kg.	13.482	13.899
Conversion, kg.	3,02	3,20 (5,96%)

## Conclusion

Even with lower body weight of pigs at the beginning in experimental group, final body weight of fattened pig in this group was increased for 4,43%. **Daily growth of pig in control group was significantly bigger, about 5,6%.**

A food conversion in control group was significantly lower, for about 5,96%.

If we consider a much lower price of "Ekofish Meal" and compare it to other fish meals, we will conclude that this feed has it's own place in mixtures for swine feeding, from nutritive-physiological and economical point of view.