

Efficiency of using Ekofish-Meal in nutrition of fattening poultry on location of farm Dobrica proprietary of “Agroziv” Pancevo

Introduction

This experiment was carried out on farm Dobrica with using of Ekofish meal replacement for fish meal. The purpose of this experiment was to examine nutritive, physiological and economical validity of this meal.

Material and work method

In nourishment were used standard mixtures as control, in experiment Ekofish meal was used as high protein additive in Starter mixture 5%, Grower 3% and 3% in Finisher 1.

Experiment took place in period between 31.10.2006 and 12.12.2006 on fully equipped farm Dobrica, with capacity of 200.000 chickens from which 100.000 were included in this experiment.

Replacement for fish meal, brand name EKOFISH MEAL made in “BANKOM” Company-Belgrade, Factory Bioprotein Obrenovac. Product consists of feed of well known origin, like genetically unmodified Soya and thermally treated flour of peeled Soya grain, isolated Soya protein, gluten, Feed yeast with addition of minerals, amino acids, vitamin E, enzymes and other additives.



Results of experiment

| Parameter | Control group | Experimental group | Index* |
|--|---------------|--------------------|--------|
| Total number of chickens | 107.215 | 97.966 | |
| Number at the end of the fattening | 101.533 | 93.921 | |
| The percentage of deaths, % | 5,29 | 4,12 | |
| The average weight at the end of fattening, kg | 1,69 | 1,72 | 101,77 |
| The average length of the fattening, days | 42 | 42 | |
| Cost - Starter mixture/kg | 58.140 | 35.480 | |
| Cost - Grover mixture/kg | 236.220 | 207.610 | |
| Cost - Finišer-1 mixture/kg | 66.980 | 67.700 | |
| Total feed cost | 361.340 | 310.790 | |
| Feed consumption kg/chicken | 3,56 | 3,30 | 92,69 |
| Conversion | 2,10 | 1,92 | 91,43 |
| Daily growth | 0,0402 | 0,0409 | 101,74 |
| Price | 17,89 | 18,45 | 103,13 |
| Feed price for kg of growth | 37,57 | 35,42 | 94,27 |
| * Control group = 100 | | | |

- Average daily growth in Experimental group was higher for **1,74%**
- Feed consumption for kg of growth is in Experimental group lower for **8,57%**
- Average price for kg/growth is less at experimental group **5,73%**
- Percent of mortality is statistically remarkably lower in Experimental group for **22,12%**

Comments

It should be emphasized that the price of experimental mixture in average was bigger because of participation of **EKOFISH MEAL** price, but the price for kg/growth was less (conversion less for 8,57%). The shown results indicate that using of **EKOFISH MEAL** in mixtures for chicken fattening have it`s own part, from nutritive-physiological to economical point of view.