TECHNOLOGY PRODUCTION OF COMBINED HIGH-PROTEIN FOOD ADDITIVES WITH INEDIBLE REJECTS CONVERSIONS OF SLAUGHTER POULTRY — INNOVATIVE PROJECT ENERGYRESOURSEPRESERVING AND ENVIRONMENTAL SAFETY IN ANIMAL HUSBANDRY

M. V. Gladyi¹, Yu. F. Melnik¹, V. G. Kebko¹, N. G. Porhun¹, L. I. Ostapovets¹, V. N. Sundikov², A. I. Kalnobrodskiy², I. I. Murzha¹

¹Institute of Animal Breeding and Genetics named after M. V. Zubets of NAAS, 1, Pogrebnjaka str., Chubinske, Boryspil district, Kyiv region, 08321, Ukraine

²SPE "Biokor-Agro", Grigorovka, Obukhov district, Kyiv region, 08750, Ukraine

Given the shortage of animal feed use of non-food processing waste products of fish farming and poultry should not only be a great resource-value, but would solve environmental problems on environmental contamination. In connection with this problem of waste processing of poultry and fish farming is relevant, and develop effective ways of processing of feed of animal origin requires urgent solutions.

The goal was to develop an environmental energy-saving technologies of production of combined high-protein feed supplements of fish inedible offal, poultry slaughtering, hydrolyzed feather raw materials and waste oil industry (soybean, sunflower meal, and others.), In particular to develop a device (the device) and create on the basis of these apparatuses technological line for the production of feed additives, study their composition and nutritional zoohimichny and efficiency in animal nutrition.

Developed and tested in SPE "Biokor-Agro" (w. Grigorovka Obukhov district Kyiv region) ecological energyresoursepreserving technology for the production combined a of high-protein food additives with inedible rejects conversions of fish-, poultry-, meatprocessing enterprises. Annual production combined a of high-protein food additives in SPE "Biokor-Agro" is 2,0 thousand tons realizable cost about 10 million UAH/year. Profitability their production at the level 25 – 35 %. Depending on the availability of various raw materials for the company produces several feed additives. In particular, the combined fish high-protein food additives contains at least 51% crude protein in the dry matter and 15-28% body fat. Feeding combined fish high-protein food additives security the increase daily average gains of repair young pigs to 132 g (+ 25,5%, p < 0,001), profitability their production at the level 20 %.

Keywords: ANIMAL HUSBANDRY, HIGH-PROTEIN FOOD ADDITIVES, ENERGYRESOURSEPRESERVING, ENVIRONMENTAL SAFETY.