

# **INFLUENCE OF GAMMA-GHCG ON HEMATOLOGICAL AND BIOCHEMICAL PARAMETERS OF SERUM BROILER CHICKENS.**

***Pochtarenko P. P., Yakubchak O. M.***

***Chicken, pesticide, blood, biochemical and hematological indicators.***

*In this article we compare the influence of Gamma-HCH pesticide at doses 0.1 and*

*0.3 mg/kg of feed on the biochemical and hematological indicators of chickens' blood. Noted the harmful influence of pesticide on organism. Purpose - to study the effects of gamma-HCH in doses of 0.1 and 0.3 mg / kg feed on hematological and biochemical parameters of blood serum of broiler chickens.*

*Materials and methods research. Experiments conducted on kurchatah-*

*5- broiler day-old cross "Cobb-500." According to the principle of analogues was formed 3 groups of 10 goals each. Chickens research groups added to the diet of gamma-HCH at a dose of 0.1 (the first experimental group) and 0.3 (second experimental group) mg / kg feed, control group - received the basic diet. Blood were taken at the end of the experiment in 43-day age before slaughter poultry directly from pidkrylovoyi artery.*

*The study was conducted in an accredited laboratory NPO "Biol hycheskye-technology" versatile dyahnostycheskaya Laboratorium (m. Mykolaiv) for automatic hematology analyzer MS4-3 (MELET SCHLOESING Laboratories).*

*Results. Intakes of broiler chickens very low concentrations of gamma-HCH at a dose of 0.1 and 0.3 mg / kg results in significant changes in the buffer system of blood - hemoglobin (Table. 1).*