

**Biochemical and morphological changes of blood parameters For
MALOFAHOZIV chickens**

**Hyzhnya L. Yu, a graduate student
Poltava State Agrarian Academy**

Chickens, blood, mallophag's invasion, hematological parameters.

The aim - to study hematological parameters chickens for malofahoznoyi invasion.

Material and methods. The study was conducted in the spring of 2013 at the sole Pyryatyn poultry farms, Poltava region. We investigated laying hens over 70 weeks of cross-productivity Tetra-SL, weighing 2.5-3 kg.

For the experiment involved two groups of chickens by 5 goals each (a total of 10 goals). The first (experimental) group included chickens, infested malofahamy (EI = 100%). The second (control) group belonged clinically healthy birds free of ectoparasites pathogens.

The results of their research to study the influence mallophag's invasion of chickens hematological parameters. Decrease in hemoglobin was found infested chickens to the level of $88,34 \pm 3,73$ g/l, decrease in the number of red blood cells ($2,72 \pm 0,44$ T/l) and increased white blood cells ($30,04 \pm 1,95$ g/l). Biochemical studies showed a reduction in serum levels of albumin ($27,84 \pm 1,2\%$) and an increase of the globulin fraction. The content of alkaline phosphatase in serum bird is $57,32 \pm 0,59$ IU/l.

Conclusions

1. Studied pathogens pathogenic effect on hematological parameters malofahoziv chickens.
2. The decrease in hemoglobin levels to $88,34 \pm 3,73$ g / l decrease in the number of red blood cells ($2,72 \pm 0,44$ t / l) and increased white blood cells ($30,04 \pm 1,95$ g / l) peripheral blood infested malofahamy Ku Rei.

3. Biochemical studies showed a reduction in serum albumin number ($27,84 \pm 1,2\%$) and an increase in the fractional part of Glo-Bulin. The content of alkaline phosphatase in the blood serum of birds is $57,32 \pm 0,59$ IU / L.