

INFLUENCE OF PHYTOGENIC PREPARATION „BIOMIN P.E.P-1000“ AND FLAVOMICIN – 80 ON THE CHANGES OF TOTAL ALBUMEN IN THE BLOOD OF BROILER CHICKENS

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Summary. The aim of the research is to investigate the influence of phytogetic preparation „Biomim P.E.P – 1000“, which is of a natural origin, on the processes of albumen metabolism in the organism of broiler chickens. Biomim P.E.P – 1000 positively stimulates the activity of the alimentary tract of broiler chickens as well as a composition of intestine micro flora, consequently that conditions better digestion of nutrient substances.

3 groups of broiler chickens were researched. The chickens of the first group were fed with the feed mixture, containing a feeding antibiotic Flavomicin-80, in the feed of the second group of chickens a feeding antibiotic Flavomicin – 80 was replaced by a dry phytogetic preparation „Biomim P.E.P–1000“, and in the drinking water of the chickens of the third group a liquid phytogetic preparation „Biomim P.E.P-1000“ was added.

The results of the research showed that under the influence of „Biomim P.E.P–1000“ a total amount of nucleic acids and albumen in the blood of chickens increased. It was defined that a dry phytogetic preparation Biomim P.E.P – 1000 was more effective than a liquid one. Compared to the first group, in the blood of the chickens at the age of 42 days a total amount of nucleic acids increased from 22.6% to 26.5%, and the amount of albumen increased from 12.5% to 22.6%.

A phytogetic preparation „Biomim P.E.P–1000“ stimulated the growth of chickens. The greatest increase of live weight was in group 2, the weight of male-chickens increased by 13.81% ($P<0,001$) and the weight of female-chickens increased by 7.08% ($P<0,001$), compared to the first group, where a feeding antibiotic Flavomicin-80 was used.

Keywords. Broiler chickens, albumen, growth, biologically active substances.