

THE EFFECT OF NATURAL FEED ADDITIVES ON THE PRODUCTIVITY OF LAYING HENS

Vytautas Sirvydis, Rasa Bobinienė, Vaiva Priudokienė, Ramunė Sabalionytė, Inga Kepalienė
Vilniaus pedagoginis universitetas, Studentų g. 39, 08106 Vilnius; tel. 275 7095; el. paštas: bamlab@vpu.lt

Summary. In 2002 the impact of the albuminous feed additive Lyprot SG-9 and the phytogetic feed additive Digestarom Geflügel Premium–1317 on the productivity of laying hens was studied at the Research Laboratory of Biological Diversity and Technologies of Vilnius Pedagogical University and a joint-stock company “Girelės paukštynas”.

Under the influence of the albuminous feed additive Lyprot SG-9 and the phytogetic feed additive Digestarom Geflügel Premium–1317, the egg-laying ability of the hens of the test group on the average increased by 5.69%, the weight of the egg by 2.76%, the weight of the egg yolk by 5.62%, the weight of the white of the egg by 5.51%, the amount of dry matter in the yolk by 0.46%, the amount of dry matter in the white of the egg by 0.32%, the total amount of blood albumin by 9.90%, and the amount of nucleic acids in the blood by 6.17%, compared to the control group.

The results show that a improved productivity of the laying hens was obtained by feeding a optimally balanced diet containing the albuminous feed additive Lyprot SG-9 as well as the phytogetic feed additive Digestarom Geflügel Premium–1317, which significantly influenced the hens' metabolism.

Keywords: albuminous feed additive, phytogetic feed additive, productivity, laying hens.