

"Implementation of the Effect of Panaroot-98 on Morpho-Functional Characteristics of Ostrich Ovaries and Egg Productivity"

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Relevance and necessity of the dissertation topic. In order to ensure food security in our republic, as well as to develop poultry farming and further strengthen the food base of the network, as well as to support subjects in the field of poultry farming, the President of the Republic of Uzbekistan "[On additional measures for further state support of livestock industries](#)» No. PQ-5017 of March 3, 2021, «[On additional measures aimed at the development of poultry farming and strengthening of the network food base](#)» In accordance with the decisions of PQ-5146 dated June 14, 2021, as well as the legal regulation of relations in the field of livestock, poultry and fisheries for the products grown by them, is of great practical importance in increasing the number of poultry and increasing productivity.

The level of study of the problem. The Institute of Plant Substances and Chemistry of the Academy of Sciences of Uzbekistan and the Tashkent Pharmaceutical Plant *Ferula tenuisecta* U. Rakhmonkulov, N.N. Najmitdinova, R.M. Khalilov, M.A. in Uzbekistan on the study of the preparation "Panaroot-98" which is synthesized from the root, stem, leaves and flowers of the plant - widely used in medicine, animal husbandry and poultry farming and its chemical structure. Scientific studies were carried out by Mamatxanova, M.I. Madrakhimova, L.D. Kotenko and Sh.Sh. Sagdullaev.

The dissertation is devoted to a current problem in the field of veterinary medicine. For the first time, it contains information about keeping and rearing ostriches in some districts of Samarkand region, increasing body weight, including meat and egg productivity. Physiological indicators of ostriches, which are widespread in different regions of our Republic today, "Panaroot-98" to study the effect of the drug on the organism of ostriches, the morpho-functional characteristics of ostrich ovaries and the level of influence on egg productivity and meat productivity, increasing egg productivity, aimed at developing methods.

Physiological indicators of ostriches, which are widespread in different regions of our Republic today, *Ferula tenuisecta* Scientific research on the study of the influence of the plant on the organism of ostriches, morpho-functional characteristics of ostrich ovaries and egg productivity, development of measures to increase egg productivity, and its implementation has not been carried out enough.

Dissertation research done in higher education the institution's relationship with the plans of scientific and research work. Dissertation research was carried out within the framework of the economic contract of the Samarkand Institute of Veterinary Medicine, currently the Samarkand State Veterinary Medicine, Animal Husbandry and Biotechnology University on the topic "Study of the effect of Panaroot-98 on the morpho-functional characteristics of ostrich ovaries and egg productivity".

The purpose of the study It consists in monitoring the physiological parameters of ostriches in private and poultry farms in Samarkand region, scientific justification of the effect of the drug "Panaroot-98" on the morpho-functional characteristics of ostrich ovaries and egg productivity, as well as the development and implementation of measures to increase the egg productivity of ostriches.

Tasks of the research:

Determination of clinical and physiological indicators of the body of ostriches;

Determination of the effect of the drug "Panaroot-98" on the morpho-functional characteristics of ostrich ovaries;

Determination and scientific justification of the effect of the drug "Panaroot-98" on increasing the egg productivity of ostriches;

Determination of the effect on the clinical and physiological parameters of the ostrich organism and the morphological and biochemical parameters of the blood;

Development and implementation of measures to increase egg productivity based on the effect of the drug "Panaroot-98" on the body of ostriches.

The object of the study Ostriches of ostrich farms in Pastdargom and Payariq districts of Samarkand region, clinical and physiological indicators of ostriches, blood samples taken from them, histopreparations prepared from ostrich ovaries, and ostrich eggs.

The subject of research Clinical-physiological parameters of the ostrich organism, morphological and biochemical parameters in the blood of ostriches, histological changes of ostrich ovaries, egg productivity and measures to increase egg productivity based on the effect of "Panaroot-98" drug.

Research methods. Clinical-physiological, morphological and biochemical, histological and statistical methods were used in the research.

Scientific novelty of the research consists of:

for the first time, the clinical and physiological indicators of the organism of ostriches raised in our republic were determined;

The effect of the drug "Panaroot-98" on the morpho-functional properties of ostriches' ovaries was determined;

Ostriches: When Panaroot-98 powder is added to the feed of ostriches in the amount of 50 mg/kg, the effect of Panaroot-98 on increasing their egg production is scientifically based;

When 30 mg/kg of Panaroot-98 powder was added to the feed of ostriches for 90 days, starting from the 15th day of the experiment, the egg productivity of the ostriches of each experimental group increased. - day, as well as changes in some morphological and biochemical indicators in their blood;

Based on the effect of Panaroot-98 on the body of ostriches, the effect of increasing egg productivity was determined, and a set of preventive measures was developed.

Practical results of the research ostriches consist of:

Clinical-physiological parameters of the ostriches were studied, and it was found that no changes were noted in the ostriches' clinical-physiological parameters when 30 mg/kg of "Panaroot-98" powder was added to their feed;

It is scientifically based on experiments that the effect on the morpho-functional properties of the ovaries, as well as the effect on the morphological and biochemical indicators of the blood, when adding the powder of the drug "Panaroot-98" to the feed of ostriches;

The effect of the drug "Panaroot-98" on the organism of ostriches to increase egg productivity was



studied, and a practical recommendation on preventive measures was developed.

Reliability of research results.The reliability of the research results is based on the fact that inspections were carried out using modern methods and tools, processing and scientific analysis of primary data, agreement of the obtained theoretical results with experimental data, deep scientific analysis of the research results with foreign and local experiences, Samarkand State Veterinary Medicine, Animal Husbandry and Biotechnologies It is explained by the fact that the approval commission of the university gave a positive assessment to scientific research and primary materials, and the results of scientific works were introduced into production.

Scientific and practical significance of research results.The scientific significance of the research results is that the clinical-physiological parameters of the ostriches were studied, the changes in the clinical-physiological parameters of the ostriches, the effect on the morpho-functional characteristics of the ovaries, as well as the morphological and biochemical parameters of the blood, when the "Panaroot-98" powder was added to their feed in the amount of 50 mg/kg the manifestation of positive symptoms is explained by scientifically based data in experiments;

The practical significance of the research results is determined by the fact that the effect of the Panaroot-98 drug on the body of ostriches is studied, and scientifically based practical recommendations are given for production on increasing egg productivity.

Implementation of research results.Based on the results of the research on the effect of the drug "Panaroot-98" on the body of ostriches:

When the powder of "Panaroot-98" is added to the diet of ostriches, the period of feeding can be constant, the accumulation and elimination of the



drug "Panaroot-98" in the body has been checked by the Institute of Chemistry of Plant Substances of the Academy of Sciences of the Republic of Uzbekistan, in order to increase the egg productivity of ostriches, 50 mg/ kg feeding was introduced in farms specializing in ostrich breeding in Pastdargom, Payariq districts of Samarkand region. As a result, negative effects on the body of ostriches have been reduced, reduction of productivity and prevention of their death has been achieved;

Summary:Effect of "Panaroot-98" drug on the body of ostriches and complex methods developed to increase egg productivity, Samarkand region, Pastdargom district veterinary departments and farms ("Ma'shal Straus", "Teshiktepa Terakzori", "Kudrat Zamin Duronasi")introduced in farms specializing in ostrich breeding. Due to the use of these complex methods, economic efficiency has been achieved in farms.

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