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Chicken Productivity Indicators

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Abstract: The article presents data and conclusions on live weight indicators and zoohygienic standards of poultry belonging to the Lohmann Lsl -classic chicken crosses in different periods.

Keywords: Raw materials, diet, cross, zoohygienic meat.

Introduction.

Poultry farming is an integral part of agriculture and has special significance in the national economy. Poultry farming produces eggs and dietary poultry meat, which are essential food for humans. Through these indicators, one can judge the well-being of the country's population and provide the growing population with products rich in animal protein. In the supply of feathers, which are a source of raw materials for industry, poultry waste plays an invaluable role in increasing soil fertility as a local fertilizer. The main task of poultry farming is to provide the people's food industry with raw materials by increasing poultry production and efficiently using manure as fertilizer.

75% of the products obtained from natural sources and croplands cannot be directly consumed by humans. However, these products are digested in the poultry body, and then poultry products are digested in the human body through eggs and poultry meat. Of the 18 essential amino acids available in nature, 8-10 are obtained from crops and delivered through eggs and meat. Poultry cannot absorb 40% of organic and 70% of mineral substances from their consumed feed and release them into the external environment. These wastes, as manure, serve as nutrients for microorganisms in the soil and become the main factor in increasing its fertility. In this regard, the policy pursued by President I.A. Karimov in carrying out reforms in agriculture, paying special attention to agricultural products, including poultry farming, is the main factor in increasing the production of poultry products.

Purpose of the study:

The purpose of the research is to study the methods of keeping, care productivity, and economic indicators of world-famous chicken crosses.

Research objectives:

- survivability of chickens;
- growth and development;
- adulthood;
- egg productivity of chickens;
- methods of poultry keeping;
- organization of complete feeding of poultry based on feed grown on the farm;
- production of environmentally friendly eggs;
- recommending the breeding of chicken crosses suitable for production by determining the economic efficiency of the research.

Object of research.

Promising chicken crosses bred in the "Nurummat Kurbanov" farm of the Ellikkala district of the Republic of Karakalpakstan.

Research methods.

The obtained numerical data on the growth and development of birds were subjected to mathematical and statistical processing using the Microsoft Excel 2007 computer program using the G.F. Lakin (1990) biometric method.

Research results.

According to the research results, the data obtained on live weight indicators of poultry belonging to promising Yoshmgy crosses in different periods of the experiment are presented in Table 1.

Table 1. Live weight of chickens, g ($\overline{X} \pm S_{\bar{x}}$)

Age, weeks	Lomann LSL-klassik
30	1645,20 ±9,68
40	1727,45 ±10,60
50	1730,9 ±9,80
80	1739,80 ±8,45

Lomann is a leading firm in poultry health, known for the quality of its products, in-depth scientific research, especially the use of genetic methods of poultry resistance to diseases, ensuring high hygienic conditions of keeping. Lomann-Tirsucht chicken eggs are always high-quality and always beneficial.

This is confirmed by numerous experiments. Therefore, the products of the Lomann-Tirsukht breed have won many exhibitions and are recognized worldwide.

These chickens are successfully bred in industrial poultry farms and small enterprises of the Republic of Karakalpakstan, Samarkand, Tashkent, and other regions, as well as on farmers' poultry farms. These chickens have sufficient parents in breeding poultry farms, and there are opportunities to meet their needs with full incubation eggs or 1-day-old chicks.

Table 2. Productivity indicators

Ovidness	**Achieving 50% fertility Peak age productivity**	**145-150 days 92-95 %**
	Egg production per 1 chicken per period 12-month fertility	305-315

	14 months of fertility	345-355
	Egg mass per 1 hen per period In 12 months In 14 months	 19,0-20,0 21,5-22,5
	Average egg weight At 12 months At 14 months	 62,0-63,0 62,5-63,5
Definition of an egg	Shell color Shell strength	Smooth white 40 Newtons
Feed consumption	Egg-laying period 1-20 weeks	7.0-7.5 kg 105-115 g/day
Live weight	At the end of the egg-laying period at 20 weeks	1,2-1,3 kg 1,7-1,9 kg
Preservability	During the growing season During egg-laying	97-98 % 94-96 %

Conclusion.

Ensuring the standard microclimate indicators recommended by the Lomann Tirsucht company for keeping chicks and poultry had a positive effect on productivity and poultry health.

The live weight of the chickens increased slightly in the following weeks, at 30-80 weeks it increased by 94.6 g or 5.75% in "Lomann LSL-classic" chickens, at 80 weeks the live weight of "Lomann LSL-classic" chickens increased by 409.0 g or 23.5%, which is characteristic of the cross nature and meets the requirements of the standard.

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