

Production test of the bioresonance method for increasing the productivity of broiler chickens in floor keeping

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For improving the efficiency of poultry use of nutrients has been developed substances and tested in production conditions bioresonance technology (BRT), RF patent No. 2269892. Analogs in animal husbandry is not.

The use of BRT in poultry farming allows you to additional energy-producing and achieve energy-saving effects, leading to normalization and harmonization of the functions of organs and systems of poultry, which makes it possible to obtain additional productivity, improve the biological quality of poultry products, and increase the profitability of the industry.

Bioresonance technology uses the effect on the bird of a weak electromagnetic field in the frequency spectrum of biologically active substances, the vibrations of which coincide with the vibrations of certain body structures, which activates certain biochemical reactions.

Mechanisms of bioresonance action of SES of various substances are specific, but the results of such an effect boil down to the fact that bioelements in a state of resonance load are more actively used from feed, enter into metabolism and pass into production in a larger volume.

The production check was carried out at the broiler feeding site at Yugmelprodukt LLC, st. Zhurovskaya Korenovsky district of the Krasnodar Territory. The tests took place in two identical production buildings for 31500 heads in each, with outdoor maintenance. The object of study is day-old broiler chickens of the Rus-6 cross. The feeding conditions and microclimate were the same. Building No. 1 was control, building number 2 was experimental. In the experimental building, a bioresonance effect was applied to the bird from day old, aimed at improving the viability of chickens, increasing the average daily gain and reducing feed costs.

The results of the production check are presented in table.

table
Production and economic indicators of the use of bioresonance technology at the site of LLC "Yugmelprodukt", for 42 days of cultivation.

Indicators	The control # 1	An experience # 2	Difference between experiences and control	
			G	%
At the start of growing				
Number of heads	31500	31500		
Average live weight	46	46		
At the end of the cultivation				
Number of heads	29295	30114	+ 819	2.8
Safety,%	93.0	95.6	+ 2.6	-
Average live weight	2000	2150	+ 0.150	7.5
Average daily increments, g	47.6	53.7	+ 6.1	112.8
Feed costs:				
Coefficient feed conversion, kg /	1.90	1.87	- 0.03	1.6

The initial live weight of chickens was 46 g. In the experimental building on the 42nd day of rearing, the safety was 95.6%, in the control one - 93.0. Average live weight in the control 2, 00 kg, in the experiment 2.15 kg. Accordingly, the average daily gain in the control is 47.6 g, in the experiment - 53.7 g. The feed conversion rate: control - 1.9 kg / kg, experience - 1.87 kg / kg. During the rearing period, 3.65 kg of compound feed was spent on each head in the control, in the experiment - 3.26 kg.

A production test of the bioresonance method showed that from one building in one growing period, you can additionally get 43 tons in live weight of broiler chickens, while spending 30 grams less compound feed for each kilogram produced. For the year, additional profit from one building is 2.28 million rubles. The payback period for investments in bioresonance technology is less than 0.5 months.

The new technology is applicable to various poultry keeping systems, the equipment for it is compact and convenient in use, moreover, with the need for bioresonance processes impact may to be automated.

E.V. Stepanchenko Production check of the bioresonance enhancement method productivity of broiler chickens with floor keeping // - M .:" IMEDIS ", 2010, v.1 - p.191-193