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Productive performance action of yeast biomass on metabolism and meat quality in young rabbits under intensive growing.

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Rabbits raising is promising in livestock farming as it attracts farmers and researchers with high speed growth, fertility, rabbits ripening and efficient use of feeds. The productivity of young rabbits and the products quality are largely determined by the level of feeding and usefulness of protein in animal feeds. Its deficiency in the diet or inferiority by amino acid composition of affects the reproductive ability, resistance, increased feed consumption per unit of production and metabolism. Today's market of feed facilities offers a variety of components to improve the nutritional value of the diet and its effectiveness. These components are rich in protein yeast. By the amino acid composition and crude protein content the yeast are close to the feeds of animal origin.

Young rabbits, fodder yeast, feeds, daily gain, slaughter yield, the chemical composition of meat, gametologs indicators

To establish the effect of different amounts of yeast biomass consisting of full granular animal feed to metabolism and productive indices in young rabbits under intensive cultivation economic research has been conducted. The object of the study was the young rabbits of white termonskoyi breed 40-days age which ware formed in 5 groups. The research material served yeast (TU 15. 733336034-001: 2005). For feeding of young rabbits full-granulated feeds were used, the structure of which was different in content of fodder yeast: 1 control group - 3% of

fodder yeast research 2 - 5%, 3 - 7%, 4 - 9 and 5% - 11%. The period of the experiment was 50 days.

Feed for rabbits consist of such feed ingredients, middlings, corn, oats middlings, wheat middlings, wheat bran, soybean meal (35% raw protein), sunflower meal (28% raw protein), straw winter wheat, yeast, salt, premix (4%). The nutritive value of feeds for all experimental groups of rabbits was similar. The more was the amount of fodder yeast the less was the number of soybean meal.

Feed with different content of fodder yeast has a positive impact on productive performance and metabolism in rabbits under intensive growing for meat. Research has found that the optimal dose of fodder yeast in the fodder of young rabbits of white termonskoyi breed is 9%. At the end of the growing period (90 days) rabbits of the group reached the live weight of 2957.3 g. It is 4.5% more than the weight of rabbits in the control group. Mass slaughter and carcass yield were 56.19% and 1661,67h that 6.81% and 1.23% higher than in the control. Introduction to feed 9% of fodder yeast accompanied by an increase in meat by 1.9% crude protein and 1.19% organic matter and total protein in the blood, hemoglobin and red blood cells respectively 2.3%, 13.8% and 18 4%, which indicates that the best course of redox reactions in the body. Analyzing the findings metabolism and productive performance of rabbits we can say about the feasibility of using yeast feed in composition of full granular feed rabbits under intensive method of growing meat in an amount of 9%.

Prospects for further research are further studying the effect of different amounts of feeding factor on digestibility of nutrients in the rabbits body.

Key words: young rabbits, fodder yeast, feeds, daily gain, slaughter yield, the chemical composition of meat, gametologs indicators.

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