

THE INFLUENCE OF MODERN AUTOMATION AND ROBOTIZATION SYSTEMS ON REDUCING THE USE OF ANTIBIOTICS FOR PREVENTIVE PURPOSES IN RAISING LIVESTOCK AND POULTRY

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The article considered the existing measures and possible methods aimed at reducing the amount of antibiotics used by agricultural producers when raising animals.

The relevance of the study of the phenomena associated with the robotization of the production of livestock and poultry products is due to the increase in the scale and severity of socio-economic and environmental problems associated with the development of livestock and poultry farming. First of all, this is the threat of a progressive increase in antibiotic resistance both in livestock and poultry farming itself and among the population due to the massive use of antibiotics to reduce the cost of caring for livestock and poultry.

The threat of the onset of the "post-antibiotic era" of human and individual life in conditions of irreversible degradation of ecosystems requires the timely development of measures to prevent a decline in the quality of population health. The high likelihood of such phenomena is evidenced, in particular, by the information provided in the British survey "Review on Antimicrobial Resistance on the dynamics of populations of subbacteria and the predicted excess of mortality from antibiotic resistance over mortality from cancer by 2050".

Keywords: environmentally friendly product, agriculture, robotization, animal husbandry, antibiotics, agricultural producers, automated programs, antibiotic resistance, economics.

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