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THE ROLE OF PREVENTION IN ANIMAL HEALTH: PROBLEMS AND SOLUTIONS

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Abstract
This article provides scientific information on the role of preventive measures in animal health, their types, current problems and ways to overcome them. The effectiveness of existing preventive methods, in particular immunization, zoohygienic measures and monitoring systems has been analyzed. Recommendations are also made based on best practices applied in Uzbekistan and other countries.

Keywords: Prophylaxis, immunization, animal health, hygiene, veterinary control, zoonotic diseases.

Introduction

Animal health plays an important role not only in increasing the productivity of livestock, but also in terms of guaranteeing overall food security. Today, the widespread spread of zoonotic diseases, infectious and invasive diseases pose a threat to animal health. Preventive measures, as the main means of preventing these situations, play a special role. The article analyzes the types, actual problems and practical solutions of such measures.

Key Section

Prevention is a set of measures that is aimed at preventing the occurrence of diseases in animals. These activities can take the form of active and passive prophylaxis. Active prophylaxis provides for stimulating the immune system of

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animals by injecting them with a vaccine. And passive prophylaxis is carried out with the help of ready-made antibodies.

And zoohygienic measures cover the cleanliness, ventilation, lighting, feeding conditions and other hygienic requirements of the premises where animals are kept. All this serves to keep the animal's organism in a strong state of state and reduce the risk of infection.

Today, there are several problems in ensuring animal health:- Quality and improper use of vaccines;- Lack of sufficient knowledge and skills among farmers and livestock breeders to prevent diseases;- Lack of regular preventive measures;- Lack of compliance with hygiene rules;- Insufficient qualifications of specialists. These problems adversely affect the health of animals, causing the occurrence of economic losses.

To eliminate the above problems, the following measures are proposed:- Introduction of preventive measures as a legally binding measure;- Control of the quality of vaccines and adaptation to local conditions;- Organization of continuing training courses for livestock breeders and specialists;- Allocation of subsidies to improve zoohygiene and sanitary conditions;- Ensuring early detection of diseases through the introduction of digital monitoring systems.

For example, in Germany and the Netherlands, veterinary prophylaxis is carried out legally, and each farm is obliged to conduct vaccination, disinfection and hygiene measures on an annual basis. In Uzbekistan, in some regions, monitoring work has been established by the responsible veterinary service, but their coverage is not yet sufficient.

Conclusion

Preventive measures are one of the key tools in ensuring animal health, food safety and economic stability. Their effective organization serves to form healthy animal husbandry, prevent the spread of zoonotic diseases and increase export potential. In this regard, it is necessary to work in this direction in a combination of public policy, scientific researches and practical experience.

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