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APOSTOL
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PROBLEM OF PRESERVATION OF GENE POOL FARM ANIMALS ON HISTORY OF IN DOMESTIC ANIMAL SCIENCE

Summary

Author has highlighted the theoretical and methodological foundations of rational using of gene resources in Ukraine. He has shown that problem of conservation of the gene pool of animals intensified in the second half of the XX – beginning XXI centuries. The scientific works of M. V. Zubets, J. S. Boroday, E. Odum and others researchers contain some information about the contribution of foreign and domestic scientists in the development problems of rational using of gene resources farm animals.

The aim of the research is to summarize theoretical and methodological approaches that were offered by domestic scientists to solve the problem of preserving the gene pool of breeds, to outline the prospects for its using in the current development animal science.

The scientific searches of the Ukrainian scientists towards stabilization of number of the native and local breeds of farm animals, based on the using of evolutionary, ecological, synergistic, cultural and other approaches as well as consideration of genetic and paratypic factors were summarized. Contribution to the theory and methodology of preservation of the gene pool of animals made by M. F. Ivanov, F. F. Eisner, M. A. Kravchenko, M. V. Zubets, V. P. Burkat,

Yu. D. Ruban, I. V. Huzyev and other was specified. Their scientific heritage is a theoretical and methodological basis of modern strategy of preserving the gene pool of farm animals.

Author has proved that conservation of farm animal gene resources is a global modern problem, which should be within the conservation of all biological diversity, that involves the using of a general biological (breeding, genetics, biotechnology, environmental) and the scientific, organizational and other factors.

Keywords: *animal, farm animals, selection, breeding work, gene pool, biodiversity, conservation of animals.*