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**THE DEVELOPMENT OF SELECTION SCIENCE IN THE CATTLE
BREEDING OF THE UKRAINIAN SSR IN THE 30-80s of the XX century**

Summary

The prerequisites of development of breeding of the farm animals in the Ukrainian SSR in the 30-80s of the XX century were highlighted. It was singled out the main stages of the development of the domestic breeding science during the period under study on base of retrospective analysis of the dominant methods of breeding and reproduction of farm animals, the comparison of the structure of the gene pool of domestic breeds of cattle, the direction and effectiveness of the selection process. As one of the prerequisites for its development the author has considered improving the organizational structure of the breeding work. The main methods of breeding and reproduction of farm animals that were applied at each of the identified stages were summarized. Particular attention was paid to concretizing the achievements of Ukrainian scientists on the development of the theory and methodology of breeding of farm animals.

The author notes that in 30-60s of the XX century Ukrainian scientists have developed the basics of breed zoning, state breed testing, planning of breeding work and evaluation of productive qualities of farm animals; created a scientifically based

system breed creation and line breeding. In 70-80s they have proposed breed system concept, improved methods for genealogical analysis and methodical recommendations for line breeding lines, improved the methods of animal selection on by examining their compatibility; developed the basis of large-scale breeding based on widespread use of artificial insemination, population genetics, modeling of the selection process.

The author found that the period of 30-60s of the XX century marked the predominant percentage of breeds of combined productivity in the structure of the gene pool, while in the 70-80s specialized breeds and types of dairy and beef productivity were more widespread in Ukraine.

Key words: *animal husbandry, breeding work, breed of farm animals, breeding methods.*