



**APOSTOL**  
**Mychailo V.,**  
Candidate of Historical Science  
[apostolmv@online.ua](mailto:apostolmv@online.ua)  
(Kyiv)

**THE CONCEPT OF DEVELOPMENT OF DOMESTIC SPECIALIZED  
BEEF CATTLE INDUSTRY IN THE SCIENTIFIC HERITAGE OF  
ACADEMICIAN OF M. ZUBETS**

**Summary**

The author has proved that academician of NAAS M. Zubets made a significant contribution to the development of a strategy of formation and development of specialized beef cattle industry in Ukraine. Some aspects of his scientific research have highlighted by M. Efimenko, M. Hladiy, Y. Polupan. However, his contribution to the development of the concept of becoming a specialized beef cattle industry in Ukraine has not been studied. Therefore, this research involved a generalization of breeding, zootechnical, technological and organizational principles of formation beef cattle industry in Ukraine, developed by M. Zubets. Methodology of the research is based on a systematic and historical approach.

M. Zubets has grounded advantage of formation and development of specialized beef cattle industry in the Ukrainian SSR. He has proved that the effective development of beef cattle industry in Ukraine need to have at least 14-16 adapted dairy and beef breeds of cattle. The most effective way to create of new breeds is a

complex reproductive crossbreeding of local cattle with specialized beef breeds of foreign selection which provides the maximum combination of high genetic potential of the foreign breeds with good adaptation to local climatic conditions and the biological characteristics of the domestic cattle.

Scientists have developed a technique of creation of Ukrainian, Volynska, Poliska and Southern beef breeds of cattle. M. Zubets also developed the breed programs of breeding work on the stage of consolidation. He has formulated the basic principles of breeding base and the rational organization of labor in beef cattle industry.

Scientist has developed zootechnical measures of the formation and development of specialized beef cattle industry in Ukraine. In particular, he has justified the need for a proper system of reproduction herds using biotechnology adjustment of physiological functions for synchronizing the sexual hunt under the terms of the planned insemination. M. Zubets and other scientists have formulated the basic requirements for the systems of beef cattle feeding and forage production. He has explained the basic elements of such technologies beef cattle: seasonal calving of the females, reproduction herds using biotechnological methods, maximum use of natural pastures, the using of economical systems of cattle keeping, introduction of measures to preserve the herd. He has developed a regional technology of beef cattle keeping for the conditions of Ukraine. Scientist has developed scientific and organizational principles of formation and development of the specialized beef cattle industry in Ukraine. He has actualized the issue of the establishment of the associations for each domestic and imported beef breed for further evaluation and improvement. They organized the scientific departments at the breed associations; they include expert and controller-assistance service.

Promising form of cooperation with other countries in the area of beef cattle breeding was the creation of joint ventures with reproducers organization of new imported breeds. In order to provide timely information on availability of breeding of beef cattle production and its quality they create the data banks on the quantity and quality of livestock, results of evaluation of bulls and cows. M. Zubets provided

important role to tradeshows, broods and auction at improving of productive traits and animal breeding that served learning of the best achievements of farms, help to the improvement of techniques and implementation of best practices.

Thus, the concept of becoming and development of a specialized beef cattle industry in Ukraine is one of the most important components of the scientific heritage of academician of M. Zubets. Scientists has developed a methodological and theoretical basis of the creation of the specialized beef breeds, the basic principles of breeding base and the rational organization of labor in beef cattle industry, technologies of beef cattle keeping for different regions of Ukraine, ways to improve livestock reproduction, determine the effectiveness of breeding achievements in beef cattle. This part of his scientific heritage is important in the current conditions because effective searching of its further development in conditions of solving the problem of food safety population still continue.

***Keywords:*** *beef cattle industry, breeding, breed of farm animals, productivity.*