ANNOTATION

of the dissertation work of Abdykalieva Zhupargul Shailasovna on the topic «Problems of effective development of agricultural cooperatives in the Republic of Kazakhstan and ways to solve them», submitted for the scientific degree of Doctor of Philosophy (PhD) in the educational program «6D050600 – «Economics»

The purpose of the dissertation is to develop theoretical, methodological and methodological foundations and practical recommendations aimed at increasing the effective development of agricultural cooperatives in Kazakhstan.

To achieve the stated research objective, the following tasks were defined:

- To analyze existing theoretical and methodological approaches to improving the performance of agricultural cooperatives, substantiating the criteria for the effectiveness of uniting agricultural producers in various forms of cooperation;
- To clarify the content of key concepts, including «agricultural production cooperative», «agricultural service cooperative», «effectiveness of an agricultural cooperative» taking into account the transformation of the conditions of agricultural production;
- To conduct a comparative analysis of foreign practices in the development of cooperatives and develop proposals for adapting successful models to the realities of the Kazakh economy of the agro-industrial complex;
- To study the current state of the cooperative sector of the agro-industrial complex, identify key problems, and conduct an economic assessment of the activities of agricultural cooperatives, especially in the southern regions of the country;
- To identify areas and factors influencing the development of agricultural cooperation, determine the mechanisms of state support and develop proposals for its improvement;
- To substantiate the distinctive characteristics of agricultural cooperatives as a special form of agricultural entrepreneurship and their contribution to the development of agriculture and rural areas;
- Formulate proposals for the implementation of digital solutions and modern production technologies to intensify the activities of cooperatives;
- Develop applied models of agricultural cooperation, including the creation of cooperative facilities: processing points, service centers, etc.;
- Suggest mechanisms for the integration of producers and processors of agricultural products based on a cooperative model of interaction;
- Justify the organizational and economic mechanism for the effective development of agricultural cooperatives in the national agricultural system.

Research methods.

The scientific basis of the study was the works of domestic and foreign scientists in the field of agrarian economics, institutional development of

cooperatives and increasing the efficiency of agricultural production. The methodological basis was provided by regulatory and legal documents of the Republic of Kazakhstan regulating the activities of entities in the agro-industrial complex, as well as empirical data obtained during the author's observations, expert interviews and analysis of analytical reviews.

To achieve the stated goals, a set of scientific methods was used in the work:

• economic and statistical analysis — for processing quantitative indicators of the activities of agricultural cooperatives;

• abstract logical method — when formulating theoretical generalizations and conclusions;

• monographic approach — when studying and substantiating promising models of cooperative structures;

• comparative and system analysis — for comparing various forms of cooperation and assessing their effectiveness;

• data grouping, economic and mathematical modeling and calculation and design methods — for constructing models and forecasting the development of cooperative forms of management.

The empirical base used was official statistical materials of the Ministry of Agriculture and the Statistics Committee of the Ministry of National Economy of the Republic of Kazakhstan, reporting data of existing agricultural cooperatives, materials of specialized forums and conferences devoted to the problems of agricultural cooperation, publications in specialized periodicals, as well as data from open sources on the Internet.

Scientific novelty of the research. The analysis resulted in the following scientifically substantiated conclusions:

• The author's interpretation of the concepts of «agricultural production cooperative», «agricultural service cooperative» and «efficiency of functioning of an agricultural cooperative» was formulated, reflecting the features of the current stage of agrarian transformation;

• A conceptual approach to the development of a strategy for the development of agricultural cooperatives was proposed, based on the adaptation of cooperative forms to modern challenges and needs of agricultural producers;

• The feasibility of digitalization of production processes within cooperatives, including in the field of dairy farming and environmentally friendly waste disposal, was substantiated;

• Innovative organizational models of agricultural cooperation were developed using the example of existing enterprises («Merke Onimderi PC», «Tokzhaylau», «KormSnabTastobe», «Narynkol et»), including the calculation of economic indicators of their activities;

• A model for the implementation of sugar beet crop rotation within the framework of a cooperative operating on the basis of the Karatal Sheker agricultural production cooperative is presented as an element of sustainable agricultural production;

- A mechanism for cooperative integration between production and processing units of the agro-industrial complex has been developed;
- Based on the analysis of the legal framework, amendments to the current legislation have been proposed, aimed at eliminating barriers and stimulating the growth of the cooperative sector in the country's agro-industrial complex (including the Law of the Republic of Kazakhstan «On Agricultural Cooperatives», the Tax Code, etc.).

The main provisions submitted for defense:

1. The author's interpretation of the concepts of «agricultural production cooperative», «agricultural service cooperative» and «efficiency of functioning of an agricultural cooperative», reflecting the features of the current stage of agrarian transformation;

2. The developed system of criteria for the effectiveness of the unification of agricultural producers into cooperative forms and the proposed indicators for assessing the effectiveness of their functioning, as well as the author's concept of a strategy for increasing the efficiency of agricultural cooperatives.

3. The results of a comprehensive economic assessment of existing cooperation models, identifying the strengths and weaknesses of their functioning in the conditions of the Republic of Kazakhstan.

4. Proven economic feasibility of using digital solutions in dairy farming and modern methods of organic waste disposal using the example of cooperatives (SPC «Merke Onimderi PC», «Tokzhaylau»), as well as calculating the effectiveness of introducing a seven-field crop rotation based on the SPC «Karatal Sheker». 5. Promising models of agricultural cooperatives with the organization of infrastructure facilities - a service center (SPC «KormSnabTastobe»), a feed shop (SPC «Narynkol yet») with calculations of their economic efficiency have been developed.

6. A model of effective interaction between producers and processors of agricultural products, focused on the formation of cooperative and cluster structures, has been presented.

7. Proposals have been prepared to adjust the current regulatory framework, including the Law of the Republic of Kazakhstan «On Agricultural Cooperatives», the Tax Code of the Republic of Kazakhstan and other acts, in order to eliminate institutional barriers and stimulate sustainable development of cooperation.

8. An organizational and economic mechanism has been formulated aimed at activating and increasing the efficiency of agricultural cooperation in the agricultural sector of Kazakhstan.

Theoretical significance of the research results. The conclusions and proposals formulated in the study have high theoretical and methodological significance and are aimed at improving the scientific approach to the development of agricultural cooperation. The results obtained can be used in the preparation of educational and methodological materials for disciplines of the agrarian and economic profile, such as «Economics of Agricultural Enterprises», «Accounting» and other courses taught at universities with an agricultural and economic focus.

Practical significance of the research results. The practical significance of the work lies in the development of applied recommendations aimed at increasing the efficiency of agricultural cooperatives through the introduction of modern technologies in the production and primary processing of agricultural products, as well as through improving legal regulation and state support for the cooperative sector.

The proposed mechanisms allow solving key problems of small-scale agricultural production, ensure the protection of the economic interests of cooperative participants, stabilize the sale of manufactured products, and also contribute to the creation and development of a joint cooperative infrastructure.

In the course of the study, the need for amendments to the regulatory documents of the Republic of Kazakhstan, including the Law «On Agricultural Cooperatives» and the Tax Code, in order to create favorable conditions for the development of cooperation was scientifically substantiated. Certain proposals formulated in the dissertation were implemented in the activities of the SPK «Plemzavod Almaty», «Tokzhaylau» and other cooperatives, which is confirmed by the relevant acts of implementation.

Compliance with scientific development directions or government programs. The topic of the dissertation corresponds to state programs, regulatory and legislative acts and other documents:

- Law of the Republic of Kazakhstan dated July 8, 2005, No. 66 «On state regulation of the development of the agro-industrial complex and rural areas»;
- Law of the Republic of Kazakhstan dated October 29, 2015, No. 372-V3 «On agricultural cooperatives»;
- Law of the Republic of Kazakhstan dated October 29, 2015, No. 373-V «On Amendments and Additions to Certain Legislative Acts of the Republic of Kazakhstan on Agricultural Cooperatives»;
- State program for the development of the agro-industrial complex of the Republic of Kazakhstan for 2017-2021;
- Concept for the development of the agro-industrial complex of the Republic of Kazakhstan for 2021 - 2030;
- Strategy «Kazakhstan-2050» - a new political course of an established state;
- Comprehensive plan «Program for increasing population income until 2025», approved by the Decree of the Government of the Republic of Kazakhstan dated March 28, 2023 No. 246;
- Message of the President to the people of Kazakhstan on September 8, 2025 «Kazakhstan in the era of artificial intelligence: current tasks and their solutions through digital transformation;
- Project «Auyl amanaty».

A description of the applicant's contribution to the preparation of each publication.

The main provisions and conclusions presented for defense were reflected in 25 scientific papers, including article 1 - scientific articles published in a journal with a non-zero impact factor and included in the Scopus database, 8 - scientific

articles presented by the Committee for Quality Assurance in Science and Higher Education of the Ministry of Science and Higher Education of the Republic of Kazakhstan, 14 - articles and abstracts published in collections of international and domestic scientific and practical conferences, as well as 2 methodological recommendations jointly developed within the framework of participation in a scientific project.

The author independently conducted research at all stages of preparation of the dissertation, since he has special qualifications and practical experience on the topic of the dissertation.