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THE ROLE AND IMPORTANCE OF CLUSTERS IN THE AGRICULTURAL SECTOR

Xushmuradov Oman

Karshi engineering-economic institute, associate professor of the "Accounting and Audit" department, candidate of economic sciences

Turobov Sherzod Alisherovich

Karshi engineering-economic institute, senior lecturer of the department of "Accounting and Audit"

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Abstract

The article discusses the prospects of the clustering system in the agricultural sector, in particular, the results of research on the organization of household clusters. Clusters organized in Kashkadarya region in the fields of grain and cotton production and analyzes of their activities are presented. Suggestions and recommendations for the development of the clustering system are also given.

Introduction

Food production, storage, primary processing and ensuring the safety of food products in the world is an urgent issue for every country.

Establishing a clustering system in the agricultural sector will accelerate the process of industrialization of the agricultural sector, increase the regional economy, change the infrastructure of villages, specialize the production of agricultural products, increase competition, and increase the income level of farms.

The practice of ensuring the well-being of economically successful enterprises and economic systems shows that the most flexible form of economic growth is the cluster mechanism. A cluster is an industrial complex consisting of producers, suppliers and consumers.

Research methods.

The article examines and observes the scientific and theoretical approaches to the topic arising from the scope of the topic. The direction was chosen to achieve the goal set in the study. Methods of observation, aggregation, grouping, and identification of connections between data sources of empirical research and methods of analysis and synthesis of theoretical research have been widely used.

Analysis and results.

In agriculture, the cluster system consists of production, processing, product sales, supply, procurement and lending sectors.

In 1990, Michael Porter used the term cluster for the first time in his work. Nowadays, the term cluster is also called Porter cluster, network cluster, business cluster and competitive cluster.

Clustering helps to improve interactions between farms and value chain participants, clustering of farms has a positive effect on the effective adoption of the practice of reproduction and cultivation of aquatic organisms in natural and artificial water bodies, as well as in specially created river (lake) plantations.

As a result of our research, we found it permissible to present the analytical data of the clustering process in Kashkadarya region below.

Table 1 Information about clusters operating in Kashkadarya region

№	Cotton production clusters	№	Clusters of cereals
1.	"Kitobipyigiruv" joint stock company	1.	"Galla klaster" LLC
2.	"Karshi Agro Klaster" LLC	2.	"Korasuv Kulob" LLC
3.	"Koson baxt tekstil" LLC	3.	"Agro Buston Claster" LLC
4.	"Bunyodkor" LLC	4.	"Agro Don AAA" LLC
5.	"MT AMIR TEX" LLC	5.	"Cluster Khilol" LLC
6.	"Litai texteli Overseas" XK	6.	"Kamashi oltin boshok agrocluster" LLC
7.	“Mirishkor Tekstil Group Cluster” LLC	7.	"Meyleyev Bahodir Chorva" farm grain cluster
8.	“Indorama Agro” LLC	8.	"Sanjarbek Najim o'gli" farm grain cluster
9.	"Chirokchi klaster" LLC	9.	"Koson Agro Sifat" LLC
10.	"Oksaroy klaster" LLC	10.	"Kitob agro Invest Product" LLC
11.		11.	"Kitob Agrokimyohimoya" LLC
12.		12.	"The Best Agroxim Klaster" LLC
13.		13.	"EMG INTER Investment" LLC PE
14.		14.	"Xitoy Oltin Don klaster" LLC
15.		15.	"Sardoba Kuxinur Olmosi" LLC
16.		16.	"Muborak Agro Wheat" LLC
17.		17.	"Turkiston Don klaster" LLC
18.		18.	"Kasbi DON-agro-klaster" LLC
19.		19.	"Asqar Trans Gold klaster" LLC
20.		20.	"Indorama agro" LLC PE
21.		21.	"Nishon klaster Tex xizmat MTP" LLC
22.		22.	"Indorama agro" LLC PE
23.		23.	"Chirakchi cluster grain " LLC
24.		24.	"Yakkabog' Boshoklari Agroklaster" LLC
25.		25.	"Shahrisabz Baraka Don" LLC
26.		26.	"Kesh Agro Oltin Boshok" LLC
27.		27.	"Elshod Agro Don" LLC
28.		28.	"Shahrisabz Sara Urug" LLC

About the conditions created for farms in the cultivation of cotton and grain crops by cluster enterprises today: In order to consistently implement measures for the formation of market relations between farms and enterprises of the textile industry, since the beginning of 2018, 17 farms have been established in 11 districts of the region on an area of 135.9 thousand hectares, cotton-textile industry, a cluster form of organization of 27 grain production was introduced on 140,000 hectares in 12 districts.

For example: in the cotton-textile sector, 3 cotton-textile clusters were established in Karshi, Kasbi, Mirishkor districts, 2 each in Koson, Kamashi districts, and 1 each in Mubarak, Nishon, Guzor, Yakkabog, Shahrisabz, and Chirakchi districts, and a total of 17 cotton-textile clusters were established in Mubarak district. 5 grain production clusters have been established, 4 in Shahrisabz district, 3 in

Guzor, Koson districts, 2 in Karshi, Kitab, Kasbi, Nishon districts, and 1 in Kamashi, Mirishkor and Chirakchi districts.

As of 2021, 349,700 tons or 77% (26 centners/hectare compared to the total land area) of the grain production cluster enterprises in the region were fulfilled and the plan was not fulfilled. In 2022, it is planned to harvest 402.4 thousand tons of grain on an area of 140.0 thousand hectares by grain-growing cluster enterprises.

This year, 383,300 tons or 95.8% of the total plan was fulfilled by the cotton-textile cluster enterprises in the region, and the productivity indicators in relation to the total land area were 28.2 centners/hectare. In 2022, the enterprises of this cluster are working on bringing the annual plan to 32 centners/hectare or 434.8 thousand tons. In order to fulfill this plan, the cluster enterprises created a number of new agricultural machinery and aggregates, high-quality mineral fertilizers and chemical resources, and put this task before them as a first priority.

In 2021, 3 cotton ginning factories with an annual capacity of 88.5 thousand tons, spinning factories with an annual capacity of 49.1 thousand tons, 15 mln. p/m fabric production factories, factories producing 19.3 million units of ready-made sewing and knitting products, and oil production factories with a capacity of 31.6 thousand tons were put into operation. 10,700 permanent new jobs were created in these enterprises, of which 6,500 are employed in the industrial sector, and the remaining 3,900 are employed in the agricultural sector. In 2021, cotton-textile cluster enterprises exported a total of 68.0 million dollars.

These cotton-textile cluster enterprises have a total fiber production capacity of 143,400 tons, 109,100 tons of yarn production, 22,700 tons of fabric yarn production, 1,2000 tons of fabric dyeing and 10.6 thousand tons of finished product production factories have been launched.

A total of 2143 units of new agricultural machinery and aggregates were purchased by the cotton-textile cluster enterprises during their activity, including 192 units of high-performance driving tractors, 353 units of hay tractors, 95 units of cotton picking machines, 32 units of laser levelers and 1471 units of other agricultural equipment technicians were purchased. In 2021, a total of 2,252 hectares of land was acquired and put into reuse by cluster enterprises. Water-saving technologies have been introduced on 3194 hectares. 462 km long irrigation and melioration facilities were repaired and waterways were cleaned.

In 2022, it is planned to implement 50 projects worth 4.3 trillion soums by cluster enterprises.

In 2021, 2 flour production facilities were built and made ready for operation by grain-growing cluster enterprises operating in the region. Annual production capacity of 64,800 tons of flour products has been created in these flour production enterprises. It is planned to create a total of 270 new jobs as a result of launching these projects at full capacity. In 2022, 12 large projects with a total value of 84.4 billion soums will be launched by the grain-breeding cluster enterprises, and a number of works are being carried out to meet the demand for high-quality flour and bread products of our people.

The cluster enterprises currently have 983 pieces of agricultural machinery and aggregates, and in 2022, the number of these machines will be further increased and the timely implementation of agrotechnical activities on the land is an important program of the grain-growing cluster enterprises.

In addition, since the activities of 8 fruit and vegetable clusters that have been operating in the region are unsatisfactory and have not achieved a positive ratio at all, the activities of these cluster enterprises are being reviewed and the activities of new fruit and vegetable clusters are being organized in the regions of the districts.

Conclusions and suggestions

The analyzes showed that in Kashkadarya region, it is advisable to organize clusters specializing in

different directions in order to use the potential of the region effectively. Due to the uniqueness of regional animal husbandry, natural and climatic conditions, the establishment of animal husbandry, winemaking, viticulture, dairy, vegetable growing, wool spinning, homestead clusters, agropharmaceuticals, beekeeping and agrotourism clusters in the regions of the region will give promising results.

Effective organization of household clusters in villages is considered an urgent issue today. As a result of the organization of household clusters:

- the internal market of organic products will develop;
- innovative production methods are introduced;
- production of high-quality and safe food products is achieved.

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