ORGANIZATION ON THE BASIS OF CLUSTER APPROACH IN THE SYSTEM OF CULTIVATION AND PROCESSING OF LICORICE IN KARAKALPAKSTAN.

Zakimov Aybek Muratbaevich PhD
student of Karakalpak State University
Email: zakimov8989@mail.ru

The article summarizes the theoretical aspects of the development of integrated relations in the agro-industrial complex. Proposals were made to form and increase the efficiency of the cluster system on the basis of the development of integrated relations in the system of cultivation and processing of licorice in the Republic of Karakalpakstan.
Keywords: agro-industrial integration, licorice, cluster, integration, organizational-managerial structure, free economic zone, territorial approach, management efficiency.

Introduction: As a result of economic reforms in the agricultural sector of the country, changes in management and forms of ownership and organizational management systems have led to the emergence of farms producing agricultural products and processing enterprises specializing in various fields. In a market economy, agro-industrial sectors and enterprises play a key role in stabilizing the economy and providing the country's population with quality food and medicines, as well as suppliers of raw materials for the processing industry. Therefore, along with other agricultural products in our country, great attention is paid to the development of the system of cultivation and processing of medicinal plants. [6] It is known that in our country, special attention is paid to the development of natural medicines based on the cultivation, protection and processing of medicinal plants belonging to the local flora. It is necessary to study the medicinal properties of natural plants in our scientific institutions, to cultivate these naturally growing plants, to harmonize production technologies, production and economic processes, and to improve organizational and management processes. In this regard, many fundamental, practical and innovative projects are being implemented in the regions of the country to rationally use the existing potential and expand the cultivation of medicinal plants. [3] It is known that in our country, special attention is paid to the development of natural medicines based on the cultivation, protection and processing of medicinal plants belonging to the local flora. It is necessary to study the medicinal properties of natural plants in our scientific institutions, to cultivate these naturally growing plants, to harmonize production technologies, production and economic processes, and to improve organizational and management processes. In this regard, many fundamental, practical and innovative projects are being implemented in the regions of the country to rationally use the existing potential and expand the cultivation of medicinal plants. [3] It should be noted that 50-60% of the drugs produced in developed countries are natural medicinal
plants. In our country, on average, 80-85% of the drugs consumed by the population are chemically produced. Only 5% of the country's medicines are made from natural herbs. Therefore, large-scale organizational, economic and technical measures are being taken throughout the country, including organizational, technological and technical conditions to increase the area of medicinal plants, expand the cultivation of wild medicinal plants, create specialized plantations, greenhouses, etc. - The leadership of our country is taking concrete and targeted measures to create conditions [6.]

People's Republic of Karakalpakstan One of the most useful plants for aligi is licorice root. From its root raw materials are obtained products necessary for the production of various drugs. In addition, for many years, its root raw materials have been collected and exported to foreign countries. In recent years, the need for root raw materials of this plant is growing. In recent years, great attention has been paid in our country to the cultivation of licorice. In this regard, the Decree of the President of the Republic of Uzbekistan №PF-2970 "On the cultivation of licorice and increasing industrial processing in the Republic of Uzbekistan" (May 16, 2017), Cabinet of Ministers of the Republic of Uzbekistan No. “63 On Measures for Further Development of Methodological Processing ”(January 27, 2018) and Resolution of the Cabinet of Ministers No. 138“ On Cultivation and Industrial Processing of Licorice and Other Medicinal Plants ” On additional measures to effectively organize the hose "(February 15, 2019) were adopted. [1], [3], [5]. Currently, 79 enterprises and firms are engaged in the collection and export of smooth licorice root raw materials in the territory of the Republic of Karakalpakstan. In the regions, the natural resources of this plant are declining. Also, the deterioration of ecological conditions in the region and the shortage of river water have a negative impact on the growth, development and reproduction of plants in the area.

Literatura review: I.Altukhov, I.N.Buzdalov, M.Bakket, V.Bautin, I.Glebov, L.Devyatkina, N. from the list of well-known foreign economists on the development of scientific and theoretical aspects of economics in the management of the agricultural sector. A.Popov, A.Petrikov, I.G.Ushachev and others made a great contribution. Uzbek economists KH.Abdurahmonov, Y.Abdullaev, Sh.N.Zaynudtinov,
M. Sharifkhodjaev, S.S. Gulamov and others. The theoretical and methodological foundations of management are covered in detail in the works of a number of scientists. Also, A. Abdullaev, B.A. Akramov, B.B. Berkinov, F. Nazarova, K.A. Nasirova, R.H. Tashmatov, O.P. Umurzakov, N.S. Khushmatov, T.Kh. Farmonov, R.H. Husanov conducted research on the problems of the agricultural sector, including the theoretical foundations of management of agricultural enterprises and the improvement of management of integration processes in the industry. In the research work of the above-named economists have developed sound proposals and recommendations of deep scientific and methodological significance for the development and improvement of management and management of the agricultural sector.

**Research methodology:** The main purpose of the study is to improve the integration processes and management processes in the system of cultivation and processing of licorice in Karakalpakstan in the light of changes in the agro-economy and the requirements of developed market relations. Theoretical and methodological bases of this article, research conducted by economists on the financial stability of enterprises, expert assessment, process monitoring, a systematic approach to economic events and processes.

**Analysis and results:** The market economy, like all other sectors, has its own requirements for the cultivation of medicinal plants. The main of these requirements is to ensure that all production units in the agro-industrial complex cover their costs and make a profit by offering goods to the consumer within the market demand. Activation of agro-industrial integration processes in the complex is also crucial and plays an important role in increasing the incomes of producers and the population.

Agro-industrial integration can generally be seen as a process of merging agricultural production on the basis of its interaction with industry and related service sectors. The concept of "agro-industrial integration" is multifaceted and includes not only the process of production between industries, but also the object of scientific research, the subject of assimilation and implementation of research results.[9] In particular, the importance of the issue of export of processed fruits and vegetables grown on natural crops and grown by agricultural enterprises to domestic and foreign
markets makes the development of integration processes an objective necessity. Because in the context of agro-industrial integration, inter-sectoral relations are somewhat simplified, that is, the interdependence of internal relations with external relations is improved, and the purpose of external relations is aligned with the purpose of internal relations, and their "flexibility" increases reliability. There are different views and opinions among agrarian economists on the interpretation of agro-industrial integration in economic theory. At the same time, a group of economists integrated the process of agro-industrial integration into a single system of technical, technological, organizational-managerial and economic framework within the agro-industrial structures of industry, agriculture and other enterprises, organizations in a mutually compatible manner. The second group of economists argues that agro-industrial integration is characterized by the consolidation of food production from agricultural raw materials. that the process of interconnected stages of production, storage, processing and delivery of products and consumer goods to the consumer is a technologically, economically and organizationally complex process; suggests that the sequence involves merging.[9]

In our opinion, agro-industrial integration is a structure of market entities engaged in the cultivation, processing, storage, primary and deep processing and delivery (sale) of agricultural products to the consumer and formed on the basis of mutual cooperation and interest. There are many types of agro-industrial integration in scientific sources and in the practice of the world economy in general today, the most common and effective of which are "clusters". From this point of view, Uzbekistan also pays great attention to the interest in this type of agro-industrial integration and its introduction in the agro-economic sectors, and scientific and practical research is being conducted in these areas. [4]

In particular, the application of the cluster approach to the organization and management of production in the development of cultivation and processing of medicinal plants in the country will further increase the opportunities for the rapid development of the pharmaceutical industry in our country. For example, taking into account the natural climate and soil conditions of the northern part of Uzbekistan, the
Republic of Karakalpakstan, a number of decrees and resolutions of the President and the Cabinet of Ministers have been adopted on the cultivation and processing of licorice in the country. (Table-1)

Table-1.

Decree of the President of the Republic of Uzbekistan May 16, 2017 №PD 2970

Indicators of target parameters for the creation of licorice plantations and the cultivation of root crops in the period 2017-2021

<table>
<thead>
<tr>
<th>№</th>
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<th>Licorice plantation area, ha</th>
<th>Target parameters of root preparation</th>
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<td>Kalykol</td>
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<td>6</td>
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<td>1 270 165 220 250 315 320 9 906 1 1 1 2 2</td>
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According to the analysis, 26.0% of the export potential of the Republic of Karakalpakstan is vegetables and fruits, 12.5% - textiles, 6.0% - chemicals, of which 13.2% - licorice root, 46.0% - licorice root extract. [7] Today, more than sixty processing enterprises operate in this direction in the country.

**Conclusion and Recommendations:** Based on the above, one of the main tasks is to improve the integration processes and management processes in the system of cultivation and processing of licorice in Karakalpakstan in the light of changes in the agro-economy of the republic and the requirements of developed market relations.

According to the results of the study, there are some shortcomings and problems in the current system of licorice cultivation and processing in the Republic of Karakalpakstan. We have tried to express this in the picture below. (Table-2)
As can be seen from the picture, the fact that several state and non-state enterprises are dealing with this issue in the country at the same time leads to imbalances and duplication between their activities.

In particular, the Ministry of Agriculture, the Nukus-Farm Free Economic Zone [2] and the Association of Organizations for the Cultivation and Processing of Licorice and Other Medicinal Plants are coordinating and managing these activities.

**Table- 2. The current organizational and administrative structure of the system of cultivation and processing of licorice in the Republic of Karakalpakstan**

In our opinion, this situation contradicts, firstly, the development of the industry based on targeted and strategic goals set out in Presidential Decrees and Cabinet of Ministers, and secondly, the principles of a market economy and integrated development. Therefore, in our opinion, it is necessary to improve the system of integration and management of licorice cultivation and processing enterprises in the Republic of Karakalpakstan in accordance with the requirements of modern and developed market relations. In doing so, we propose the introduction of a cluster approach, which is a recognized and advanced form of integration, as noted above. (**Table- 3**)
Table 3. The scheme of organization of the system of cultivation and processing of licorice in the Republic of Karakalpakstan on the basis of a cluster approach.

In the above picture, we believe that the approach should be based on the fact that the cultivation and processing of licorice is of great importance and strategic importance for the Republic of Karakalpakstan. Therefore, it is expedient to establish "Clusters" specializing in the cultivation and processing of licorice in the Republic, the activities of governmental and non-governmental organizations in the formation of clusters and their organizational management within the scope of their competence. [4] The proposed cluster approach will also serve to further develop the system of cultivation and processing of licorice in the Republic of Karakalpakstan, to make the pharmaceutical industry a leading sector of the economy in the country and to increase the efficiency of management.

References
[1]. Resolution of the President of the Republic of Uzbekistan "On the cultivation of licorice in the Republic of Uzbekistan and the increase of industrial processing" (PF-2970 dated May 16, 2017).

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[3]. Resolution of the Cabinet of Ministers of the Republic of Uzbekistan "On measures to further develop the cultivation of licorice and other medicinal plants and industrial processing in the Republic of Uzbekistan" (No. 63 of January 27, 2018).

[4]. Resolution of the President of the Republic of Uzbekistan "On the development of cooperation in agriculture" (PF- №4239 dated March 14, 2019) 

[5]. Resolution of the Cabinet of Ministers of the Republic of Uzbekistan "On additional measures for the effective organization of cultivation and industrial processing of licorice and other medicinal plants" (No. 138 of February 15, 2019).

[6]. T.Farmonov, L.Jonikulov “Importance of management principles and methods in improving the management system in the agro-industrial complex” Agroilm magazine 1 [64], 2020, pages 103-105.


