

ORGANIZATIONAL AND ECONOMIC MECHANISM OF INCREASING EFFICIENCY OF INDUSTRIAL PROCESSING OF NUTS IN UZBEKISTAN

Inobatov Abror Boshlarovich

Assistant of the Department “Agribusiness and Investment”,
Tashkent State Agrarian University

Abstract: *The article analyzes the organizational and economic mechanism for improving the efficiency of industrial processing of nuts in Uzbekistan, stimulating in-depth processing of raw materials and the release of high-quality products, regional state support for the location of production, taking into account the specialization and climatic conditions of the region, vertical integration and cooperation taking into account the needs of the production and raw materials base.*

Keywords: *an organizational and Economic Mechanism, efficiency Improvement, economy, processing nuts.*

1. INTRODUCTION:

Currently, one of the key tasks in the development of the economy of Uzbekistan is the accelerated growth of domestic production.

Under the current conditions, the expansion of food production from domestic raw materials plays an important role. Of particular interest at present is the commodity production of nuts and the expansion of their industrial processing.

The increased interest in nut-bearing crops and the need for a real increase in their production are caused by steady growth trends in world nut consumption, a change in the world food culture in the direction of consumption of natural products.

During the development of the market system, there is a significant entry into the domestic market of imported food, including nuts, the quality of which does not always meet the necessary requirements. At present, the needs of the confectionery industry of Uzbekistan for nut kernels are met mainly through imports. The lack and high cost of hazelnut kernels becomes the reason for replacing it with peanuts, which leads to a change in the taste properties of confectionery.

As is known, the southern regions of Uzbekistan are the only one within the Uzbekistan region in the commercial cultivation of hazelnut, chestnut, as well as one of the leading areas of culture walnut nut.

Recently, there have been a number of unfavorable trends in the industrial production of nuts and their primary processing.

Modern business practice has allowed us to highlight a number of the most pressing issues in the conditions of a market management system. These include the selection of directions and the justification of the prerequisites for the effective development of new industries, the search for a rational distribution of the raw material base for industrial processing of nuts, an active investment policy in the development of the commodity market for nut products, as an integral part of the food and resource market for food industries. The above identified the relevance of the chosen research topic.

2. LITERATURE REVIEW:

The degree to which the problem is developed. The problems of developing the processing industries of the food industry and increasing their economic efficiency were studied by a number of domestic scientists – Blazh I.D., Vinogradov.N.V., Voronin V.G., Deniskin V.V., Voronov A.A., Kerashev M. A., Tkhasushev I.A., Filippov A.N. et al. These works provide rich material for further research.

However, it should be noted that in the domestic literature there are practically no developments made for the market stage of development of industrial production and processing of nuts.

3. MATERIALS AND METHODS:

The walnut market is a relatively new market, which is currently in its infancy.

The study highlights the main features of the market of nuts as an object of regulation:

- the market of nuts is represented by interchangeable goods (types of nuts: hazelnuts, walnuts, almonds, chestnuts, pistachios, etc.).

Consequently, in this market a group of goods is circulated that can be comparable in terms of functionality, application, quality and technical characteristics, price and other parameters in such a way that the buyer really replaces or is ready to replace them with each other in the process of consumption (including production);

- the product boundaries of the nut market are determined by the consumer properties of substitute products and the formation of a product group, whose markets are regarded as one product market;

- The geographical (territorial) boundaries of the nut market, that is, the territories in which customers purchase or can purchase different types of nuts, are associated with the location of agricultural places for growing these nuts;

- barriers to entering the market for nuts of a technological, administrative, and economic nature that impede the ability of new business entities to enter the product market in a fairly short period of time are high;

- walnut production is characterized by the possibility of diversification on the basis of their multidisciplinary and complex use, which may be attractive for investment in this market. Indeed, nut-bearing crops (walnut, small hazelnuts, pecans, sweet chestnuts) are some of the most valuable crops cultivated by humans.

The study analyzes trends in the production of nuts in Uzbekistan and abroad. Analysis of statistical data (table 1) indicates a significant increase in the production of nuts in the world. The main exporter of hazelnuts is Turkey, whose share in world production exceeds 70%. The dissertation noted that there is a real threat of dominance in the Russian hazelnut market of neighboring countries (Turkey, Georgia, Azerbaijan), which could ultimately undermine the position of Uzbekistan in this industry.

Table 1 – Dynamics and structure of the global hazelnut market

A country	2013		2014		2015		2016		Rates of growth %	
	Thousand t	%	Thousand t	%						
Turkey	528	61,4	543	61,6	571	59,2	589	72,8	111,6	103,2
Italy	101	11,7	101	11,5	90	9,3	99	12,2	98,0	110,0
USA	27	3,1	27	3,0	24	2,5	29	3,6	107,4	120,8
Spain	12	1,4	12	1,2	20	2,1	22	2,7	183,3	110,0
Other countries including Uzbekistan	192	22,4	198	22,7	260	26,9	71	8,7	37,0	27,3
Total	860	100	881	100,	965	100	810	100	94,2	83,9

For the development of the market of nuts in Uzbekistan, the formation of infrastructure is needed to increase the efficiency of its functioning.

An important role is played by methods of state regulation.

The study identifies the following aspects of state regulation in the field of development of the nut market: changing the ratio of export and import of nuts in the direction of increasing production volumes in Uzbekistan; conducting active investment and innovation in the use of nuts as raw materials, on the one hand, and their implementation for the population in various forms on the other.

The study showed that the demand for nuts and products from them is constantly growing, especially from the confectionery, bakery, dairy and other food industries.

However, a significant share of the needs of the confectionery industry for nuts is provided by imports, while hazelnuts prices on the world market are constantly growing, and more than double the price on the domestic market (table 2).

Table 2 – Dynamics and price ratio for hazelnuts (in shell)

The s	Price, sum / kg		Value for money, times
	Import	Domestic market	
2013	80.3	30,0	2.7
2014	82,4	30,0	2.7
2015	68.6	32,0	2.1
2016	85.5	36.0	2,4

A serious limitation on the growth of nuts production in Uzbekistan is the state of the resource base for growing nuts.

The study showed that industrial processing of nuts is a fairly cost-effective production. Assessing the production efficiency of the enterprise as a whole, it should be noted that the profitability of nuts supplied as raw materials to the confectionery and other food industries is significantly higher than the profitability of goods intended for retail trade.

The high competitiveness of domestic hazelnut products is due not only to price, but also to non-price factors such as a high level of quality of the walnut kernel, low operating costs, modern and efficient processing technology, and achievement of specified product standards.

At the same time, the lack of a unified industrial policy aimed at stimulating the development of the entire technological chain of cultivation, production, processing, and marketing of nuts restrains economic growth in this area of activity and increase its budget efficiency.

4. RESULTS:

The investment policy in the field of production and processing of nuts can be represented in the form of the following scheme (Figure 2). The most important area of investment policy is the expansion of the raw material base of processing enterprises.

The implementation of investment policy requires the concentration of material and financial flows, ensuring sustainable relations with partners along the entire technological chain.

The study substantiates a model of an integrated structure in the production and processing of nuts. The key link of this model is the raw material processor – the producer of products that determines the volumes of production and services of all participants in this structure. The main task of integration is to form complete structural chains that ensure the production of goods, bringing it to specific markets, as well as the redistribution of risks.

At the same time, the necessary cash flows should be launched, which, as far as real structured, can be replaced by mutual obligations.

Since a processing enterprise producing competitive products should become a structure- forming enterprise, this enterprise should be a leader in its field.

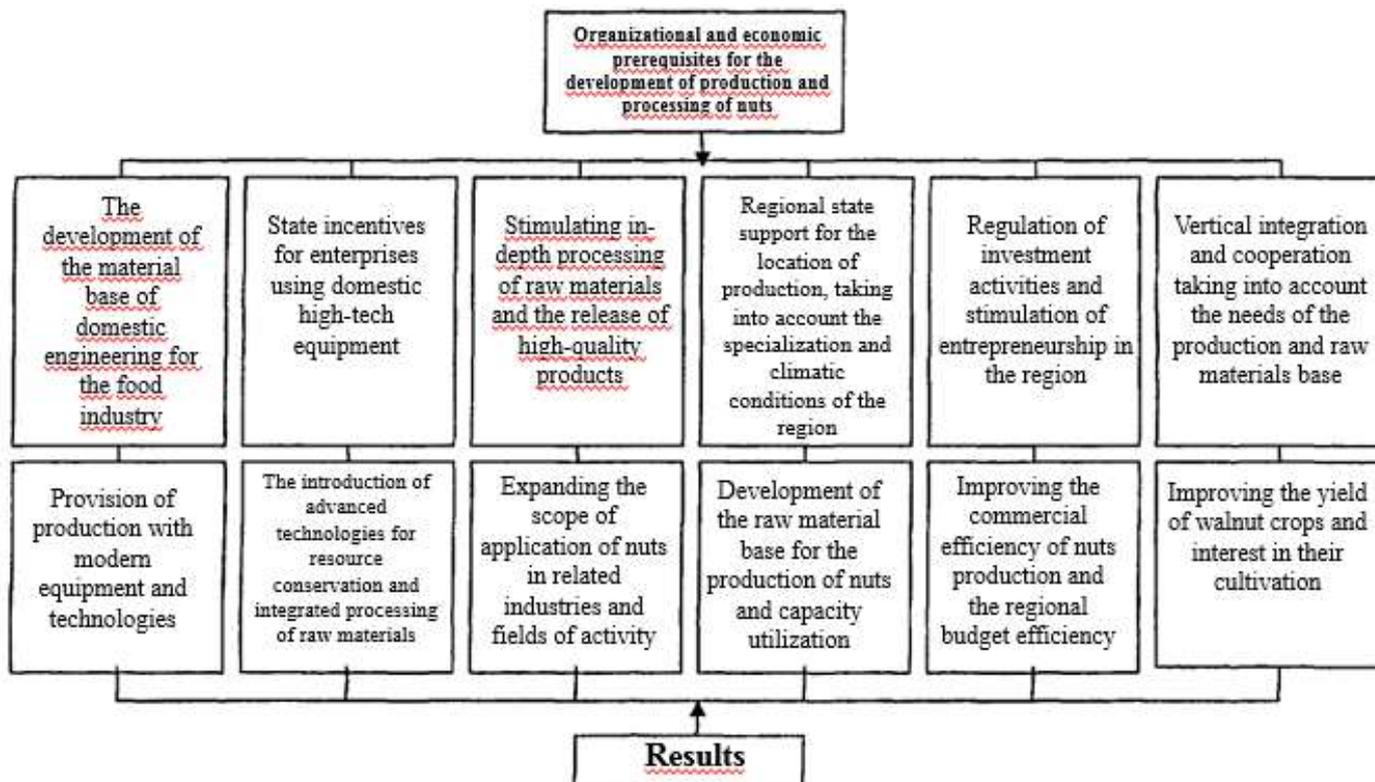


Figure 1 – Organizational – economic prerequisites for the development of production and processing nuts in Uzbekistan

5. DISCUSSIONS:

Thus, the measures for the intensive development and modernization of agriculture contained in the “Strategy of Action for Five Priority Development Fields of the Republic of Uzbekistan in 2017-2021” will ensure the sustainable development of the agricultural sector, strengthen the country food security, increase export potential and improve the quality of life of the population of the republic.

6. CONCLUSIONS:

As a result of a comprehensive study of the problem, the following conclusions are formulated:

- Industrial processing of nuts brings significant commercial income and an increase in budget revenues; nut-bearing crops are in great demand and are a constant object of import.
- The high interest in the confectionery and baking industries in supplying products from nuts domestic production, not inferior in quality imported, but more cheap.
- Uzbekistan has considerable power for the primary processing of hazelnut, however, the degree of capacity utilization is low due to lack of raw resources.
- Uzbekistan has a significant potential resource base, taking into account the favorable climatic conditions for the cultivation of hazelnuts, walnuts, which creates the prerequisites for the development of walnut production and increase its efficiency.
- The implementation of the investment policy in the field of production and industrial processing of nuts requires the concentration of material and financial sources, which is achieved through the integration of participants in the cultivation and processing of nuts. The key element of the integrated structure is the organization - the processor of raw materials, which determines the volumes of production and services of all participants and the mechanism of their interaction.
- The restoration and development of commodity production of nuts in the southern region of Uzbekistan should be carried out in two stages. At the first stage, the processing enterprise, at the expense of its own financial resources, makes the laying of new plantations of hazelnuts and ensures the creation of its own raw material base. In the proposed mechanism of interaction between the processor and farm farms. The high economic efficiency of expanding our own raw material base lies in changing the structure of raw materials: increasing the share of processing cheaper and higher-quality raw materials and reducing imports at higher prices. The second stage covers the development of a project for the restoration and development of walnut crops in the territory of the Krasnodar Territory and the Republic of Uzbekistan. The revival of the nut growing industry requires an integrated approach and state support, the use of effective technology for growing nut crops and industrial processing of nuts.
- The economic efficiency of expanding the resource base is confirmed both for participants in the integrated structure and for the region.
- An additional economic effect is achieved through the use of non-waste technologies, including the use of walnut shells - hazelnuts for heating offices and residential premises in rural areas.

REFERENCES:

1. Decree of the President of the Republic of Uzbekistan "On the Strategy of Action for the Further Development of the Republic of Uzbekistan" No. UP-4947.
2. Karimov IA Remarks at the Opening Ceremony of the International Conference "Important Resources for the Implementation of the Food Program in Uzbekistan". Speech of the People, June 7, 2014.
3. Mirziyoev Sh.M. We will build a free and prosperous, democratic Uzbekistan with our courageous and generous people. Speech by Mirziyoev at a joint meeting of the Chambers of the Oliy Majlis on the occasion of the inauguration of the President of the Republic of Uzbekistan. December 15, 2016
4. Yusupov E. D., Durmanov A.Sh. The impact of hydropower objects to social - ekologik balans. Actual issues of the development of agricultural science in modern economic conditions. Material s IY - International scientific - practical conference of young scientists. Federal State Budgetary Institution "PNIJAZ" 2015
5. Yusupov E. D., Economic and organizational aspects of the effective organization of the beekeeping business. Materials of the international scientific-practical conference: "Improving the efficiency of the socio-economic activity of the state and international relations in the conditions of ensuring the competitiveness of Kazakhstan" Almaaty 2019, pp. 109-112.
6. Yusupov E. D., Theoretical problems of optimization of the subjects of the agricultural market. Materials of the international scientific-practical conference: "Improving the efficiency of socio-economic activities of the state and international relations in the conditions of ensuring the competitiveness of Kazakhstan" Almaty 2019, pp. 112-116.
7. Yusupov E. D., Diversification of the activities of business entities in agriculture: theoretical foundations and market principles for its implementation. Russian Electronic Scientific Journal 12 + No. 4 (30), 2018. DOI: 10.31563 / 2308-9644-2018-30-4-162-167.
8. Eshev AS, Nazarova F. Kh. (2019). Influencing factors for the development of agricultural strategy in the republic of Uzbekistan. International journal for innovative research in multidisciplinary field. V - 5, I - 7, July - 2019. 151-160 p.
9. Eshev AS, (2019). Competitiveness management products of the agricultural sector. International journal for innovative research in multidisciplinary field. V - 5, I - 7, July - 2019. 214 - 222 p.

10. Durmanov A., Umarov S. (2018). Economic-mathematical agricultural production. *Asia Pacific Journal of Research in Business Management* Vol. 9, Issue 6, June 2018, 10-21.
11. Umarov S.R. (2017). Innovative development and main directions of water management. *Economy and Innovative Technologies*, (1). Available at: <https://goo.gl/eEHSJK>. (in Uzbek).
12. Umarov S. (2018). Scientific-theoretical basis of the innovative development of water resources of Uzbekistan. *Bulletin of Science and Practice*, 4 (12), 409-415. (in Russian).
13. R. Muradov. Water use in conditions of irrigation water shortage // *Vestnik of Tashkent State Technical University*. 2010. No. 1-2. Pp. 164-168.
14. R. Muradov. Some Issues of Efficient Land Use in WUAs with a Deficit of Water Resources // IX International. Nauchn - Practical. Conf. "Agrarian science - agriculture". Barnaul: AltaiGAU, 2014. P. 460-462.
15. A. Sh. Durmanov, S. The R. Umarov, EO Bozorov . (2019). Evaluation of the technical - economic effectiveness of electric energy. *Sustainable Agriculture* Vol. 1, Issue 2, June 2019, 22 -2 4.
16. Umarov S. R. (2017). Features of innovative water management . *TRANS Asian Journal of Marketing & Management Research (TAJMMR)*. Vol. 6, Issue 1, 2017, 45-53.
17. Umarov S.R., Umurzakov UP (2010) Increasing investment activity portfolio in Uzbekistan. "Water management - prospects of development" // *Collected articles of young scientists. Rivne*, 2010.128-130 p.
18. Durmanov A.Sh. "Development of entrepreneurship and social partnership in Uzbekistan". " Ijtimoiy x amkorlik- i k tisody munosabatlarni erkinlashtirish omili " mavzusidagi ilmy Amalie Conference T oshkent 2014 yil.135-138 betlar.
19. Durmanov A. Sh. Cooperation as a basis for increasing the economic efficiency of production of open ground vegetables. "Bulletin of science and practice" in number 8 (August), 2018.
20. Durmanov A. Sh. Foreign experience of organizational greenhouse farms. *Economics and Finance*. 2018. № 7
21. Durmanov A.Sh . (2018). Economic interests of producers and consumers of products in the greenhouse vegetable market. VII International Scientific and Practical Conference of Young Scientists "Achievements of Young Scientists in the Development of Agricultural Science and the AIC", held July 18-19, 2018 in p. Salt Zamsche based on FSBI "Caspian Research Institute of Arid Farming". 506 -509 p.
22. Muradov RA, Shaymanov N.O. (2018). Of The the Results of Theoretical Research the. On an and Levelling of irrigated Lands. *International journal for innovative research in multidisciplinary field*. 2018.358-366 p.
23. Durmanov, AS, Tillaev, AX, Ismayilova, SS, Djamalova XS & Murodov, SM ogli. "Economic-mathematical modeling of optimal level costs in the greenhouse vegetables in Uzbekistan", *Espacios*, Vol 40, No 10, pp. 20, 2019.
24. Tkachenko Serhii, Berezovska Liudmyla, Protas Oksana, Parashchenko Liudmyla, Durmanov Akmal. Social Partnership of Services Sector Professionals in the Entrepreneurship Education. *Journal of Entrepreneurship Education*, Vol: 22 No. 4 pp. 6, 2019.
25. Umarov, S.R, Durmanov, AS, Kilicheva, FB, Murodov SM and Sattorov OB (2019). Greenhouse Vegetable Market Development Based on the Supply Chain Strategy in the Republic of Uzbekistan, *International Journal of Supply Chain Management (IJSCM)*, 8 (5).
26. Akmal Durmanov, Nikolay Kalinin, Svetlana Drobyazko, Kateryna D. Yanishevskaya and Inga Shapovalova. Strategic support of innovative activity of modern enterprises. 34th IBIMA conference: 13-14 november 2019, Madrid, Spain.
27. Durmanov, A.S., Li, M.R., Maksumkhanova A.M., Khafizov, O. Kilicheva, F.B. and Rozikov J. (November, 2019). Simulation modeling, analysis and performance assessment. *International Conference on Information Science and Communications Technologies ICISCT 2019*, pg. 6.
28. Durmanov, A.S., Tulaboev A.T., Li, M.R., Maksumkhanova A.M., Saidmurodzoda, M.M. and Khafizov O. (November, 2019). Game theory and its application in agriculture (greenhouse complexes). *International Conference on Information Science and Communications Technologies ICISCT 2019*, pg. 6.