

## Management of Farming and Horticulture and their Economic Efficiency

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**Abstract:** This article presents the urgency, important aspects of development of farms and horticulture in Kashkadarya region, ways to increase economic efficiency, the interdependence of the country's level of development to the potential of qualified specialists, scientific achievements in agriculture and problems to be solved, as well as suggestions and recommendations. listed.

**Keywords:** farming, horticulture, profitability, yield, agriculture, efficiency.



## **Introduction**

Today, the importance and role of agriculture in the country is growing from year to year, and the majority of the population of our country is working in this field. "As of January 2020, the number of farms in Uzbekistan was 92.6 thousand, the number of agricultural enterprises was 27.6 thousand, and the number of dehkan farms was more than 5 million.

3% of agricultural production is accounted for by agricultural enterprises and 26.9% by farms. The largest share belongs to dehkan farms - 70.1%"<sup>1</sup>.

The Address of the President of the Republic of Uzbekistan Shavkat Mirziyoyev to the Oliy Majlis dated December 29, 2020 puts forward the following views: About 500 clusters and cooperatives have been set up in fruit and vegetable growing, grain growing and animal husbandry. As a result, \$ 1 billion worth of fruits and vegetables were exported despite the negative impact of the pandemic. This year, 91,000 hectares of land have been re-used. Water-saving technologies have been introduced on 133,000 hectares, which is twice as much as last year"<sup>2</sup>. It is obvious that a lot of attention is paid to the agricultural sector, farmers and ranchers. Realizing the essence of these issues, a scientific and practical approach is a requirement of the time.

In accordance with the requirements of the Decree of the President of the Republic of Uzbekistan dated October 23, 2019 "On approval of the Strategy of agricultural development of the Republic of Uzbekistan for 2020-2030", the priorities for the implementation of the strategy are:

- production and implementation of the state policy of food safety, providing for food safety and improvement of consumer rations, providing for the cultivation of the required amount of food products;
- wide introduction of market principles in the purchase and sale of agricultural products, development of quality control infrastructure, export promotion, creation of a favorable agribusiness environment and value chain, providing competitive, high value-added agricultural and food production in target international markets;
- introduction of mechanisms to reduce state participation and increase investment attractiveness in the field, which provides for the modernization, diversification of the agricultural and food sectors and the increase of private investment capital to support sustainable growth;
- improvement of the system of use of natural resources and environmental protection, providing for the rational use of land and water resources, forest resources;
- development of modern management systems, including the restructuring and development of public administration in agriculture;
- increasing the efficiency of public spending and gradual redistribution through the development of sectoral programs aimed at increasing labor productivity on farms, improving product quality, creating high added value;

<sup>1</sup><https://strategy.uz/index.php?news=911> Z.Zarifov, "Development of cooperation of farms - a factor of efficiency", "DEVELOPMENT STRATEGY" Center. 18 Apr. 2020 y.

<sup>2</sup> Address of the President of the Republic of Uzbekistan Shavkat Mirziyoyev to the Oliy Majlis. December 29, 2020

- development of a system of science, education, information and consulting services in agriculture, providing for the use of effective forms of knowledge and information dissemination integrated with the production of research, education and consulting services;
- implementation of rural development programs aimed at promoting balanced and sustainable development of rural areas;
- creation of a transparent system of network statistics, which provides for the introduction of reliable methods of collection, analysis and dissemination of statistical data through the widespread introduction of modern information technologies.

The implementation of the above areas will serve to create a system of training qualified personnel in agriculture, to achieve high productivity, to meet the needs of the population for quality and affordable products.

**Analysis of the literature** on the subject. Scientific researches, dissertations, monographs and articles of foreign and domestic scientists and researchers draw conclusions, develop proposals and recommendations on issues such as radical reform of agriculture, targeted use of the experience of developed countries, training of qualified specialists, retraining. However, there is a lack of scientific research on the scientific and methodological basis of the irrigation system, high productivity in agricultural production, efficient use of land and water, achieving high economic performance in the arable lands of farms and horticultural areas. Among the scientists and specialists of the field are Abdurahmonov KH, Vodyannikova V., Emeyanova MA, Juraev F., Ismoilov A., Kiselyov SV, Kovalenko N.Y., Kundius V.A., Minakov I. Murtazoev O., Nazarenko V.I., Nalsov A.G., Oripov M.A., Plashinskiy P.A., Salimov B.T., Tushkanov M.P., Khamdamov K, S., Ergashev R.X. ., Analysis of scientific works and articles of Hamraeva SN, Shokhodjaeva ZS, Samiyeva GT and the experience of practice in this field in Uzbekistan show that in many foreign countries, including in our country at present, small specialists in the field of agriculture and There are the following problems related to the quality of training:

- demand and supply of the population in the cultivation of certain types of crops, market conditions are not studied;
- insufficient attention is paid to the system of crop placement, application of required mineral and organic fertilizers, taking into account the level of soil fertility and natural climatic conditions;
- the work on concluding contracts with entities purchasing products grown on the territory of farms and horticultural enterprises, processing industrial enterprises is unsatisfactory.

Importantly, as a result of citizens' neglect of property, land, crops, inadequate development of scientific and practical skills, cases of inefficient use of some land have been identified.

**Research methodology.** Methods such as observation, comparison, interview, etc. were used in conducting research on the topic.

**Analysis and results.** According to the analytical data, it should be noted that in 2019 in the Republic of Uzbekistan, including in Kashkadarya region, the indicators of placement of agricultural crops on farms and land plots are as follows:

**Table 1. Indicators of placement of agricultural crops on farms and land plots in the Republic of Uzbekistan in 2019<sup>3</sup>**

*hectare*

Indicator name	Total vegetables	In% of total land area	all of the melon crops	In% of total land area
In the Republic	171 888,7	100%	31 556,8	100%
In the Kashka-darya region	10 332,0	6%	10 238,0	32,4%

It can be seen that a total of 171,888.7 hectares of land in the country are planted with vegetables, while in Kashkadarya region this figure is 10,332.0 hectares. As for the production of melons in the Republic of Uzbekistan, a total of 31,556.8 hectares were planted, of which 10,238.0 hectares were harvested in Kashkadarya region. This figure is 32.4% of the total land area.

As a result of their labor, the farmers of our country provide not only their families, but also the entire population of the country with agricultural products. Since the creation of mankind, food and clothing have been his daily necessities. Fruits, vegetables and melons grown on farms and horticultural areas meet the daily food needs of the population, while the abundant harvest of wheat, cocoons and cotton meets the needs of bread and bakery products and clothing.

Today, all conditions and opportunities have been created for agricultural workers to work freely and independently. They are constantly supported by the state, they are provided with financial assistance, preferential tax rates and loans. Therefore, it is expedient for them to use such opportunities correctly and wisely and contribute to the increase of the country's GDP.

**Conclusions and suggestions.** The conclusion is that farms must work efficiently using land and water resources, using their organizational, managerial and economic capabilities, and using scientific and practical knowledge correctly. In particular, the appropriate use of the experience of developed countries leads to higher efficiency. Only then will we be able to contribute to the accession of our country to the ranks of developed countries.

We believe that the following should be taken into account in the organization and exemplary management of farms and horticultural farms, to increase their economic efficiency:

- Clearly define goals and objectives. At the same time, it is necessary to determine the adequacy of funds, manpower, material and technical base, land, water, modern technologies for the organization of agriculture and horticulture.
- Rights and obligations of dehkan farms and land plots. In this regard, a number of laws and resolutions have been developed by our President and state. The rights, privileges, duties and responsibilities of agricultural workers are fully described. Most importantly, the use of dehkan farms and land plots within the framework of clear normative documents leads to a high growth of economic indicators.
- Effective use of mineral and organic fertilizers, chemical protection of plants. It is known from the successful results of scientific research and practical experience in this area that the main part of the harvest is achieved through the rational use of fertilizers. Until the seeds are planted in the ground and the finished crop is harvested, great care and responsibility is required from the farmer in eliminating pests from the seeds of plants, getting rid of weeds,

<sup>3</sup> Processed by the author on the basis of data of the Republican Statistics Department

and protecting them from various insects and pests. As this process is the most necessary stage of the year of hard work, it ensures the achievement of significant productivity.

- Formation and rational use of means of production. An important condition for the sustainable formation and successful organization of farming and horticulture is the availability of means of production and the ability to apply them in practice.
- Efficient use of water in agriculture and horticulture. It is important to take into account the consumption of water used in agricultural and horticultural areas, the effective use of the limits set by water supply stations and reservoirs, to avoid waste.
- Erosion control measures. In determining the composition of arable land in the areas of agriculture and horticulture, it is necessary to develop and implement an action plan against wind and water erosion, soil pollution and degradation. A fertile layer of soil that has been washed away in a short period of time can be regenerated over many years. Therefore, great attention should be paid to maintaining the level of soil fertility.
- Rational use of accelerated technology in crop production. We know that one of the main goals is to make a lot of money at a low cost, to have a low-cost and high-quality product through the rational use of modern technology. The application of any technology must be scientifically based for the climatic conditions of the farming and horticultural areas.
- Proper distribution of sales and income. This is very important for any manufacturing industry. In order for a farmer to deliver his produce to the field, it is necessary to be able to work on contracts, if possible, by establishing regular contacts with settlements, market prices, wholesale and retail complexes, public catering establishments, processing enterprises. Also, being able to direct the income received correctly will serve as a pump for next year's labor activity.

#### **List of used literature**

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