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STATISTICAL ASSESSMENT OF CHANGES IN THE DEVELOPMENT OF AGRICULTURE, FORESTRY AND FISHERIES NETWORK IN THE REPUBLIC AND CHANGES IN ITS TENDENCIES

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ABSTRACT

In this article, the preliminary results of the republic's agriculture, forestry and fishery network at the end of 2022 are statistically analyzed by regions and economic categories. Methodology for collecting statistical data on the agricultural sector, developing a reliable and comprehensive national agricultural statistics system, increasing the availability of information on trends and market prices in agriculture. Conclusions and suggestions were made regarding increasing the scope of information on the productivity of farmers and agricultural holdings, developing the organizational and methodological bases of agricultural monitoring.

KEYWORDS

Agriculture, forestry and fisheries, preliminary results, regions, farm categories, methodology, national agricultural statistics, trends, statistical analysis, data sources, market prices, data scope, farmer and farms, agricultural observations, conclusions, proposals.

INTRODUCTION

The agricultural sector is considered one of the main sectors of the national product production of our republic, with its added value creation, its role in

meeting the needs of the population, and its advantage over other industries and sectors with a high level of production. is different. This industry has

a high potential, it has great opportunities for the production of products necessary to meet the needs, increase the efficiency of agricultural enterprises and improve the standard of living of the population.

Today, 25% of the republic's gross domestic product and more than 90% of food products are created in agriculture, forestry and fisheries. The agricultural sector, as one of the leading sectors of our country, occupies an important place not only in providing the population with food products and raw materials for the industry, but also in the development of other sectors of the economy.

A significant part of the total currency income of the republic is received at the expense of the export of agricultural products. In the future, the rise of the processing industry based on scientific and technical progress, advanced technologies, the growth of the population, changes in the demand of the foreign market, and the development of agricultural production processes that meet environmental requirements are an objective necessity.

The state of development of the agricultural network is reflected in statistical data. Reflecting structural changes in agriculture requires the formation of reliable and fast statistical data. For this, it is necessary to improve the methods of statistical assessment of changes in agriculture.

ANALYSIS THEMATIC LITERATURES

In recent years, as in other sectors, several laws, decrees and decisions concerning the agricultural

sector have been adopted, while sectoral programs and "roadmaps" have been developed and are being consistently implemented. In particular, in 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" No. PF-5853 nine priorities have been identified, one of which is the development of a transparent network statistics system.

Also, the order of the President of the Republic of Uzbekistan dated August 3,

2020 "Further improvement of the national statistical system of the Republic of Uzbekistan and development measures" in accordance with the decision No. PQ-4796, The National Strategy for the Development of Statistics of the Republic of Uzbekistan in 2020-2025 was approved.

This decision envisages the further improvement of the quality of statistical data, the creation of complete databases of statistical indicators, their adaptation to international standards, and the introduction of modern methods of statistics in socio-economic and demographic fields.

METHODS

Agricultural statistics are produced by the Statistical Agency under the President of the Republic of Uzbekistan on the basis of statistical reports of enterprises and organizations, information of the Ministry of Agriculture, observations of agriculture and farms.

Since agriculture is an important sector of the economy, there is a great need for reliable and comprehensive national agricultural statistics.

The Statistical Agency under the President of the Republic of Uzbekistan closely cooperates with the Food and Agriculture Organization of the United Nations (FAO) in preparing the country's food balance, but the statistical data they publish is always the same. not, which reduces the reliability of agricultural statistics. Also, the reliability of statistical data is questioned due to the fact that agricultural registration is not conducted in the Republic of Uzbekistan.

To achieve the goals in this direction, the following tasks are defined:

- development of reliable and comprehensive national agricultural statistics system;
- increasing the reliability and availability of agricultural and food statistics;
- increasing the availability of information on trends and market prices in agriculture;
- increasing the volume of information on the productivity of farmers and peasant farms;
- to ensure the completeness of registration results, to create the necessary infrastructure for their timely and high-quality implementation, and to introduce new technologies (for example, mobile devices, geo-location information systems, etc.);
- to develop and implement a plan of measures in the field of personnel training in order to increase the

potential and qualifications of participants in agricultural registration.

Today, all types of agricultural holdings (farmers and farms and other agricultural enterprises) are submitting all types of statistical reports in electronic form.

ANALYSIS AND RESULTS

According to preliminary data, in 2022, the total volume of products (services) of agriculture, forestry and fisheries amounted to 364,522.8 billion soums, or 103.6% compared to the corresponding period of the previous year.

The increase in the volume of agricultural, forestry and fishery products (services) is mainly explained by the increase in the volume of production of agricultural products.

When analyzed by economic categories, the total volume of agricultural products is:

- the share of farmers and homesteads - 62.2%;
- share of farms - 31.4%;
- the share of agricultural organizations - was 6.4%.

When analyzing the structure of this network by region, the highest share is in Samarkand region (12.0%), Andijan region (10.3%), Tashkent region (9.6%), Bukhara region (9.4%), Fergana region (9.2%) and Kashkadarya region (9.2%). On the contrary, Syrdarya region (3.4%), Republic of Karakalpakstan (3.9%) and Navoi region (4.4%) are the regions with the lowest share.

Analysis of agricultural production:

Agricultural products - all agricultural crops obtained from the harvest of the current year (cereal crops, technical crops, potatoes, vegetables and pulse crops, fruits and berries, grapes, fodder crops, seeds and planting materials), as well as, includes the values of unfinished production in agriculture and other types of agricultural products.

The total volume of agricultural products produced during the reporting period is 179,853.4 billion. soums, compared to the corresponding period of 2021, it was 103.8%, and its share in the total volume of the network was 49.3%.

Table 1. Main grown in 2022 types of agricultural products

	All category households		including:					
			farms		farmers and homesteads		organizations performing agricultural activities	
	thou-sand tons	growth rate in %	thou-sand tons	growth rate in %	thou-sand tons	growth rate in %	thou-sand tons	growth rate in %
Cereal crops	7 994,9	104,7	6 299,7	102,7	777,8	104,0	917,4	121,5
Vegetables	11 163,0	102,9	4 066,9	102,7	6 767,1	103,0	329,0	102,5
Potatoes	3 441,7	104,7	890,3	116,2	2 484,0	100,9	67,4	118,8
Poly crops	2 420,7	105,9	1 289,5	107,5	1 039,2	101,9	92,0	139,7
Fruits and berries	2 983,5	104,6	1 292,7	106,8	1 595,6	102,2	95,2	118,0
Grapes	1 760,6	103,9	795,8	105,1	920,3	102,6	44,5	107,6

By all categories of farms in the Republic:

- 7,994.9 thousand tons of grain crops (104.7% compared to the corresponding period of the previous year),

- 11,163.0 thousand tons (102.9%) – vegetables;
- 3,441.7 thousand tons (104.7%) – potatoes;
- 2,420.7 thousand tons (105.9%) - sugarcane crops;
- 2,983.5 thousand tons (104.6%) - fruits and berries;
- 1,760.6 thousand tons (103.9%) - grapes were grown (Table 1).

- 78.8 percent of the total volume of grain crops, 72.5 percent of cotton raw materials and 53.3 percent of the policy is contributed by farms;
- 60.6 percent of vegetables, 72.2 percent of potatoes, 53.5 percent of fruit, and 52.3 percent of grapes were contributed by farmers and homesteads.

Analysis of cultivated agricultural products by economic categories:

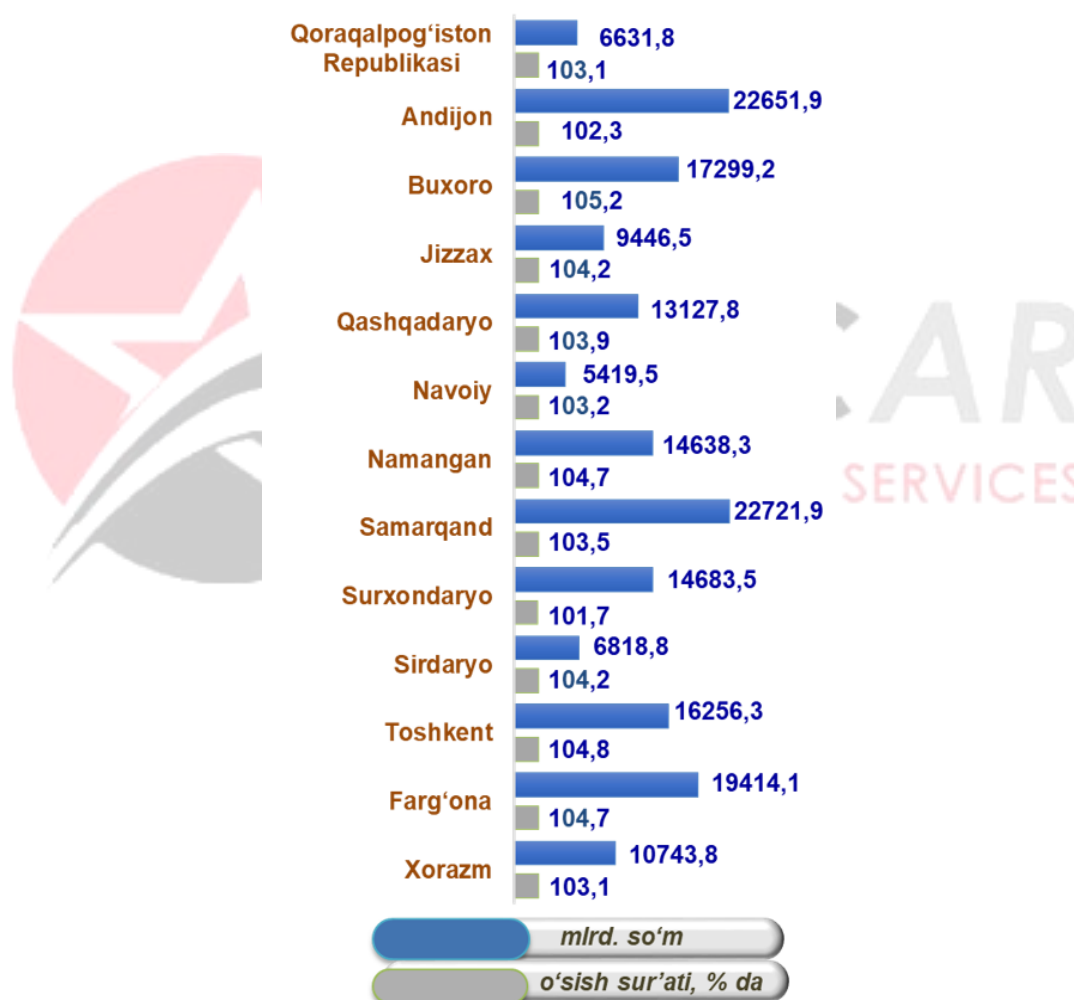


Figure 1. The volume and growth rate of agricultural products grown in the region

If we analyze the composition of the total agricultural products grown in the republic by regions, the largest share is Andijan region (12.6%), Samarkand region (12.6%), Fergana region (10.8%), Bukhara region (9,6 %), Tashkent region (9.0 %), Surkhondarya region (8.2 %) and Namangan region (8.1 %) (Fig. 1).

Analysis of production of livestock products:

Livestock products mean the value of products obtained as a result of raising agricultural animals

(cattle, sheep and goats, horses, camels, etc.), poultry (chickens, ducks, geese, turkeys, etc.), bees and silkworms.

During the reporting period, the production volume of livestock products was 167,711.0 billion. soums or 103.4% compared to the corresponding period of 2021, and its share in the total volume of the network was 46.0%.

Table 2. Main grown in 2022 types of agricultural products

	All category households		including:					
			farms		farmers and homesteads		organizations performing agricultural activities	
	thou-sand tons	growth rate in %	thou-sand tons	growth rate in %	thou-sand tons	growth rate in %	thou-sand tons	growth rate in %
Meat (live weight)	2 726,0	103,4	159,2	116,0	2 395,9	101,6	170,9	122,1
Milk	11 629,4	103,2	632,2	111,9	10861,4	102,6	135,8	114,6
Egg, million units	8 129,3	104,4	1 203,4	111,6	5 032,3	103,2	1 893,6	103,3
Fish	177,4	103,2	90,6	107,0	10,1	99,4	76,7	99,5

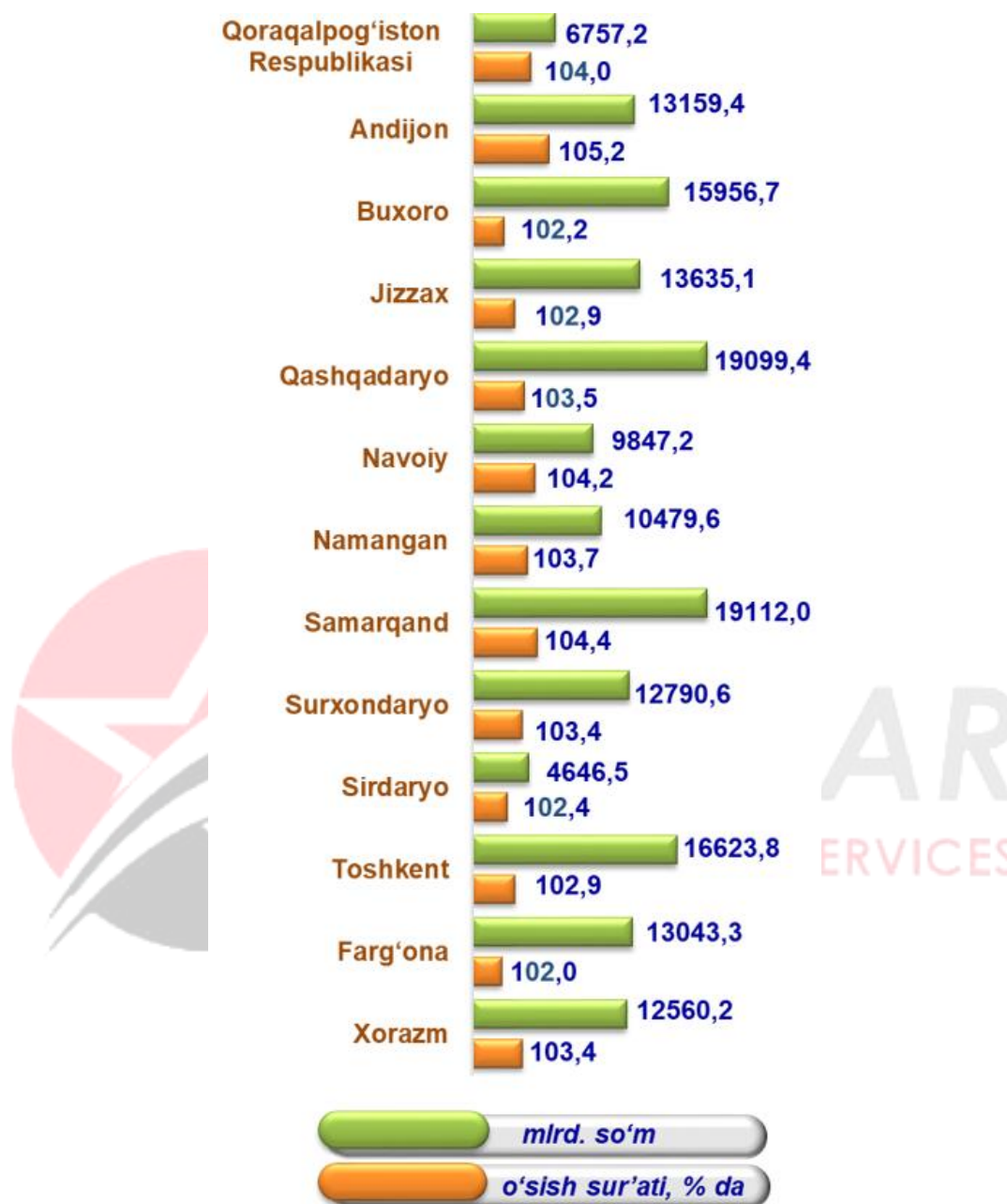


Figure 2. Volume and growth rate of livestock products grown in the region

CONCLUSIONS AND SUGGESTIONS

In conclusion, it can be said that the results of the reforms implemented in agriculture are expressed in

fast, accurate and truthful statistical numbers. The truthfulness and transparency of statistical numbers

will help the government to develop targeted measures aimed at reforming agriculture.

Since agriculture is an important sector of the economy, there is a great need for reliable and comprehensive national agricultural statistics.

Based on this, the following scientific proposals and practical recommendations were developed in order to improve the statistical calculation of the results of reforms implemented in the agrarian sector:

- ensuring that the national agricultural statistics system is reliable and comprehensive;
- further improvement of the organizational and methodological foundations of agricultural observations;
- continuous analysis of trends observed in agriculture;
- to create a statistical data base for the assessment of the structural state of agriculture, to create the possibility of comparing the field with statistical data used in international experiments, to make selective observations in the field of agriculture transfer;
- to ensure the completeness of registration results, to create the necessary infrastructure for their timely and high-quality implementation, and to introduce new technologies (for example, mobile devices, geo-location information systems, etc.);
- to develop and implement a plan of measures in the field of personnel training in order to increase the potential and qualifications of participants in agricultural registration;

- in order to further increase the quality, reliability and transparency of indicators of agricultural statistics, it is recommended to introduce the method of calculating data by net quarters.

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