EFFICIENCY OF FARM ACTIVITY AS AN OBJECT OF STATISTICAL STUDY

Murodov Jakhongir Choriyevich

Tashkent State University of Economics

Senior teacher of the Department "Economic Statistics",

Annotation. *In this article observed efficiency of farm activity - as an object of statistical study, the rate of growth of gross production volume of farms of Tashkent region. Many studies have been conducted in this regard, in particular, in the studies conducted in this article, it was determined that the main factor affecting the efficiency of farm activity is the land area attached to farms, agricultural and livestock products grown on farms.*

Key words*: Agriculture, farms, gross production, productivity, statistics, gross regional product .*

INTRODUCTION

In the context of the development of economic reforms in the country, there was a need to regulate and support by the state the activities of farms, first of all, one of the most important sectors of the country's economy - agriculture, forestry and fisheries and its specific characteristics are suitable for viewing.

" We should fully support entrepreneurs who create new jobs, so to speak, carry them on our shoulders.

The Cabinet of Ministers will be instructed to develop a relevant draft law on the foundations of social entrepreneurship and measures to encourage it within two months. Also, the government should ensure the creation of 500,000 new jobs this year within the framework of state programs and through the development of entrepreneurship [164]. "

It has been carrying out the tasks of forming a system of market relations in our country, ensuring balance between different industries. The policy of economic growth in countries with a developed market economy shows the need to implement structural changes in the economy. In the context of modernization of the economy, structural reforms are aimed at ensuring macroeconomic stability, increasing the share of the non-state sector in the economy, and equipping enterprises with new technologies and equipment.

"Preparers of official statistics and suppliers of administrative data provide the statistical data and (or) administrative data available to them free of charge to the

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[164]Address of the President of the Republic of Uzbekistan Shavkat Mirziyoyev to the Oliy Majlis.//"Khalk sozi" newspaper, January 25, 2020, No. 19 (7521) .

authorized state body in the manner and within the time limits specified in the statistical programs"[165]

The volume of gross regional product produced in Tashkent region in 2022 at current prices is 93433.1 billion. amounted to soums and increased by 5.1% compared to the corresponding period of 2021. The gross regional product deflator index was 108.1% compared to the prices of 2021 [166].

MATERIAL AND METHODS

Today Gross production volume of farms of Tashkent region in the scientific literature of economists, it was scientifically and statistically researched and applied for practical use.

Authors S. Khudoyberdiev, B. Ashurov, O. Togaev implied: "Choosing the production function that is more consistent with the nature of the economic process from the set of dependencies is achieved on the basis of studying the technological, physical-biological and agrotechnical characteristics of the object being modeled [167].

Authors R.H. According to Alimov, L.R.Boltaeva, A.I.Ishnazarov, "If the constructed model correctly describes the real system, then on the one hand, it determines the quantitative characteristics of the object being modeled, the changes in their dynamics, and on the other hand, it allows the process to be controlled appropriately." [168].

I. According to Khabibullaev and A. Jumaev, " The problem of multicollinearity of factors may arise when creating multi-factor regression equations, that is, cases of high degree of mutual linear connection of factors. In such cases, the results of multivariate regression make the constructed model unreliable. "[169]   Methods such as scientific abstraction, statistical observation, absolute, relative and average quantities, statistical evaluation were used in the research process .

RESULTS

Article 3 of the new version of the Law of the Republic of Uzbekistan on August 26 , 2004 " On Farming" : is a business entity engaged [170]in

In the Federal Law of the Russian Federation No. 74-F3 dated June 11, 2003 "On Peasant (Farmer) Farm" (in the new edition on December 6, 2021), a farm is defined as "Peasant (Farmer) Farm (here in after referred to as a farm) is related to kinship and (or) property, has common ownership and jointly engages in production and other economic

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[165] Uzbekistan " On Official Statistics " of the Republic of Uzbekistan -707 - no law 2021 year . August 11.. www.lex.uz

[166] Tashkent province statistics was compiled by the author based on the data of the statistical collections of the department .

[167]S. Khudoyberdiev , B. Ashurov , O. Togaev . Fundamentals of econometrics from science lecture text Samarkand , SamISI , 2019

[168] Alimov R.Kh., Boltaeva L.R., Ishnazarov A.I. Econometrics-2 // Study guide. – T.: TDIU, 2012. -115 p

[169]I. Habibullaev., A. Jumaev Econometrics. Instruction manual for practical training. – T.: "ECONOMY-FINANCE" publishing house, 2019, 173 pages.

[170]Newly revised Law of the Republic of Uzbekistan "On Farming" . August 26, 2004.

activities (production, processing, is understood as an association of citizens who implement" [Federal Law of the Russian Federation dated June 11, 2003 No. 74-F3 (as amended on December 6, 2021) "On Peasant (Farmer) Economy"].

It should be noted that such results are achieved due to selfless work of our Uzbek people, effective use of natural and economic factors, land and water resources.

Table 1

the GNP of Tashkent region, agriculture, forestry and fisheries, GNP of farms[171]

Years	Oh HM, (in comparative prices) billion. soum	Growth rates of gross regional product, in %	Village, forest and fish farm QQ, (in comparative prices) billion soum	Village, forest and fish growth rates of the economy QQ, in %	of farms, (in comparative prices) billion. soum	farm GDP, in %
2014	18,729.0	106.2	9521.9	104.0	2917,6	101.5
2015	22,089.0	105.9	11263.2	103.7	3511.5	98.8
2016	23,876.1	104.7	12,578.7	101.6	3481.5	91.5
2017	29,092.8	101.0	16378.5	97.1	3902,5	77.2
2018	40219.2	106.8	19,541.2	99.2	4102,2	92.7
2019	55306.5	107.3	21632.7	100.6	4041,1	83.7
2020	65243.8	102.9	25,814.6	102.1	3920,2	86.8
2021	82148.4	110.7	30,712.7	104.0	4672,5	98.2
2022	93433.1	105.1	35,093.6	103.8	6096,3	118.4

[171] Tashkent province statistics was compiled by the author based on the data of the 2014-2023 statistical collections of the Department of

2 023	**107 918.1**	105.0	**41 001.6**	104.0	**649 5,6**	**98 , 6**	

As can be seen from the data of Table 1.1, the gross regional product of Tashkent region (in comparative terms) in 2014 was 18,729.0 billion amounted to 107,918.1 soums in 2023 billion amounted to soum. 14,485 billion in 2023 compared to 2012 . to soums or 105.0 % the organize reached

As a result of fundamental economic reforms implemented in the field of agriculture, forestry and fisheries in Tashkent region, the role of economic indicators affecting the development of the agrarian sector is regularly increasing. In 2014, the volume of products (services) produced in the field of agriculture, forestry and fisheries in Tashkent region amounted to 9,521.9 billion at current prices. amounted to 41,001.6 billion soums in 2023 . amounting to soum, in 2023 it was 104.0% compared to the corresponding period of the previous year.
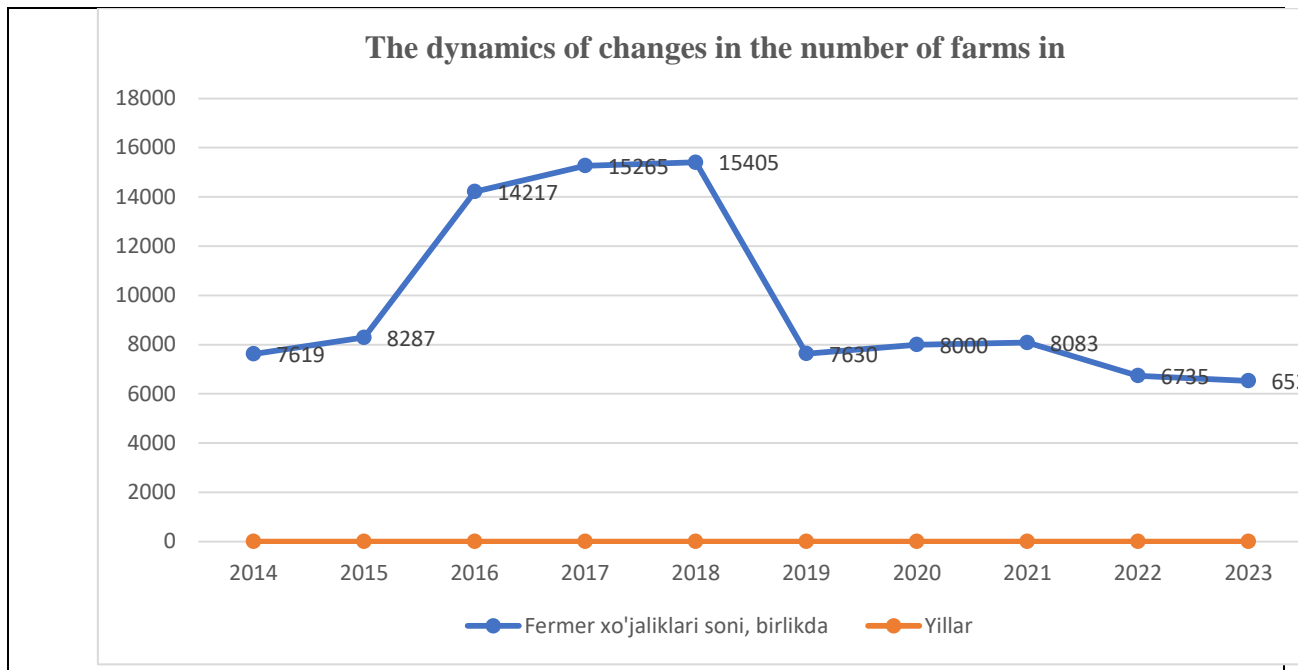
Table 2

Tashkent region macroeconomic dynamics of change of [9]indicators

Indicators	Measurement unit	Years									
		2014	2015.	2016	2017.	2018	2019	2020	2021.	2022	2023
Gross territorial product	billion soums	18,729.0	22,089.0	23,876.1	29,092.8	40 219.2	55 306.5	65 243.8	82 148.4	93 433.1	107 918.1
	growth rate, in %	106.2	105.9	104.7	101.0	106.8	107.3	102.9	110.7	105.1	105.0
Industry product	billion soums	12 474.6	14 401.0	16,864.8	21 693.4	37 724.4	53 484.8	64,765.3	83 433.9	93 935.1	105,762.5
	growth rate, in %	106.4	108.1	105.6	102.7	114.8	107.3	103.8	112.8	105.7	105.1
Consumption goods	billion soums	3 811.0	4 970.1	6 250.0	5 785.5	7,700.9	10,859.0	13 153.1	19,981.5	18 290.8	22 401.4
	growth rate, in %	109.5	122.6	114.5	94.6	111.7	100	108.7	127.0	119.9	106.1
Village, forest and fishing economy	billion soums	9 521.9	11 263.2	12,578.7	16 378.5	19,541.2	21 632.7	25,814.6	30,712.7	35,093.6	41 001.6
	growth rate, in %	104.0	103.7	101.6	97.1	99.2	100.6	102.1	104.0	103.8	104.0
Main to capital investments	billion soums	4 021.7	4 428.1	4 238.7	5 938.4	11 226.9	20 353.9	18,994.4	28 113.6	35,767.7	44 449.2
	growth rate, in %	114.8	99.3	87.0	118.4	139.9	158.5	82.8	120.3	110.7	112.8
Construction works	billion soums	1 330.9	1 562.0	1 646.3	1 825.4	3 006.7	5 594.1	6 930.6	9 401.2	12 237.4	14 323.1
	growth rate, in %	104.0	109.4	100.2	100.3	131.1	155.8	105.2	115.3	108.6	106.2
Retail trade commodity circulation	billion soums	6 103.0	7 663.3	9 223.0	11 149.5	14 101.0	17 420.0	21 073.4	13,802.5	25 250.0	30 130.8
	growth rate, in %	113.2	118.9	110.9	103.0	106.6	107.2	106.0	116.8	109.8	108.3
Services, total	billion soums	5 529.5	6 445.7	8 112.9	9 347.4	11 292.9	14,568.4	16,677.3	21 197.4	25,945.0	31 934.8
	growth rate, in %	117.2	113.2	116.9	105.1	107.0	113.4	103.4	117.8	112.1	110.8
External trade circulation	million USA. Dollar	3 864.2	3 094.8	3 019.8	3 207.6	3 861.3	4 746.9	4 604.2	5 311.3	5 584.5	5 706.8
	growth rate, in %	116.5	80.1	97.6	106.2	120.4	122.9	97.0	115.4	105.1	102.2
Export	million USA. Dollar	1 915.6	1 637.1	1 103.1	1 406.0	1 535.4	1 781.6	1 786.1	2 011.1	2 042.4	1 858.2
	growth rate, in %	115.2	85.5	67.4	127.5	109.2	116.0	100.3	112.6	101.6	91.0
Import	million USA. Dollar	1 948.6	1 457.7	1 916.8	1 801.6	2 325.9	2 965.3	2 818.1	3 300.2	3 542.1	3 848.6
	growth rate, in %	117.7	74.8	131.5	94.0	129.1	127.5	95.0	117.1	107.3	108.7
Balance	million USA. Dollar	-33.0	179.4	-813.7	-395.6	-790.4	-1 183.7	-1 032.0	-1 289.1	-1 499.8	-1 990.4
	growth rate, in %	x	x	x	x	x	x	x	x	x	x

In 2014, the gross production volume of farms of Tashkent region was 2917.6 billion at comparable prices. amounted to 6,495.6 soums in 2023 billion amounting to soums, last year in 2023. As can be seen from the above data, today, the agricultural, forestry and fisheries sector, which is the main support for ensuring the food security of the population of our country Great attention is being paid to increasing the volume of gross production. In particular, optimization of the structure of cultivated areas of farms, introduction of new and advanced technologies to the gross production of agriculture, forestry and fisheries, expansion of the park of efficient machinery, new varieties of crops and breeding livestock. well-thought-out works are being carried out in terms of reproduction, radical change of seed-breeding works.

According to the Decision No. 47 of the Cabinet of Ministers of the Republic of Uzbekistan dated March 16, 2010 "On the results of the optimization of the land plots in the possession of farms", the land area of the land plot corresponding to 1 farmer is 62.4 hectare.

The dynamics of changes in the number of farms in

1 . The dynamics of changes in the number of farms [172]in the Tashkent region , in units

The number of farms in Tashkent region was 7,619 in 2014, and after the optimization of farm plots, the number of farms in 2023 was 6,528. (Figure 1).

The achievements of farms confirm that the agricultural sector is one of the most effective forms of increasing the volume of gross production. Our experience gained over the years requires solving a number of important tasks for the further development of

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[172] Tashkent region statistics was compiled by the author on the basis of the statistical collections for the years 2014-2023

farms, issues related to increasing their financial stability, competitiveness and economic efficiency.

DISCUSSION

At the initial stage of the formation of farms, the small size of the land area in most farms prevented the increase in the profitability of production and obtaining a stable profit. Such farms with a poor economic situation did not have the opportunity to provide themselves with the necessary equipment and working capital, to provide collateral for a loan from the bank, and the ability to pay to cover the debt obligations (did not have the level of liquidity). Most importantly, they did not conform to the principles of the market economy, such as self-covering and operating at a profit, continuously increasing their income.

From this point of view, on the basis of the critical evaluation of the inventory of cultivated areas of farms by our state, well-thought-out work was carried out on the optimization of land areas assigned to farmers. During the approval process, the following factors were taken into account, allowing to increase the economic efficiency of farms:

CONCLUSION

In short, the introduction of market relations in the agricultural sector requires the existence of different forms of ownership, producers of commodity products and competitive environment. It is desirable to strengthen the position of farms in the agrarian sector in the future, to form them in the way of life of rural residents, with a sense of ownership and management in the minds of people:

- taking into account the population density in the regions of our republic, based on the geographical location of farms, in what field they specialize;

- creating a favorable environment for the implementation of new agrotechnologies that save water resources;

- increase financial opportunities for providing farms with equipment;

- liquidation of chronically unprofitable farms.

ACKNOWLEDGMENT

Today, the President of the Republic of Uzbekistan Sh.M. Under the leadership of Mirziyoyev, one of the main goals was to implement deep structural changes in our economy in accordance with the requirements of the modern market.

President Sh.M. Mirziyoyev: "We will continue the work of creating clusters that meet today's demands in other sectors such as fruit and vegetable, rice, livestock, and silk farming. In order to export 2 billion dollars worth of fruits and vegetables this year, and 3-4 times more in the next 5-7 years, it is necessary to take measures to dramatically increase production."[173] - he emphasized. Of course, in order for the country to actively enter the world economic system, it is necessary to pay special attention to the problem of

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[173]Address of the President of the Republic of Uzbekistan Shavkat Mirziyoyev to the Oliy Majlis.//"Khalk sozi" newspaper, January 25, 2020, No. 19 (7521).

structural reforms, such as ensuring the openness of statistical information in the economy. At the new stage of economic reforms, it is necessary to look at the structural changes of farms in the agricultural, forestry and fishing sectors of the economy, their re-equipment and modernization, and the increase of gross production as a very important issue. is a requirement.

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