

STATISTICAL ANALYSIS OF THE DEVELOPMENT TRENDS OF THE AGRICULTURAL NETWORK OF UZBEKISTAN

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Abstract:

The article provides a detailed analysis of the current state of the agricultural sector, as well as the level and dynamics of its development in subsequent years. The share of the agricultural sector in GDP and GVA of industries and its changes are also analyzed in detail. The methodology for determining added value in the agricultural sector and on farms is outlined.

Keywords: agricultural products, GDP, GVA, agricultural products, dekhko farms, private farms, current and comparative prices, growth rates.

Introduction

On 28 January 2022, the year of the president of the republic of Uzbekistan UP-60-number[1]“Uzbekistan's development strategy for new years 2022-2026 on September 11 and in the year 2023 PF-158-the number of[2] “Uzbekistan - 2030” strategy in the decree of “farmers and agriculture through intensive development in the scientific basis of increase of income at least 2 times, at least 5 percent annual growth of agricultural production to supply, a seasonal shortage to eliminate issues of paper products cultivation, improvement of science and innovation system is based on agroizmatlar show in the agricultural field deepening the integration of science and practice” until the year 2030 and “A thousand dollars the average income from removable hectares 5 to 10 billion dollars per year, the export volume in the field of agriculture, on average 45-50 tsentner cotton productivity indicators to 80-85 tsentner to deliver on grain” like a number of tasks identified.

This task in a manner to ensure the effective implementation of a wide range of economic-statistical analysis, applied research is needed to develop proposals and recommendations.

At the same time, global climate heater be degradasiyaga have undergone the fertile soils, drought and other natural disasters as a result of soils and crops grown damage to the product, be to undermine food security in the world community is considered as one of the factor. Find solutions to this problem, as well as the further development of international cooperation,



mastering the experience of advanced countries, the introduction of modern agricultural technologies plays an important role.

True economy in the country “driver” of the agricultural sector (agriculture, forest and fish resources) and operates at nearly 27 percent of the labor force employed in the economy in the year 2022 the gross domestic product (gdp) measures 23.5 percent and that's gross value added (CLEAR)to contribute to the sector's 25,2 percent this comes on.

Review of the Literature

The country Iqtisodiyotining overestimate the role of agricultural sector in ensuring sustainable development. So study and statistical analysis macroeconomic indicators of the agricultural sector of its economy tied with activity issues from foreign scientists.V.AfandiIand B.I.Smir May Be, I.I.Lenkov and research by others if there was a public from a scientist.Abduganiyev[5], N.X.Rashidova[6], B.K.Utanov[7], X.D.Xujakulov[8], M.X.Mamatkulov[9] and a number of scientific research have been conducted by other scientists.

However, the above research and the agrarian sector of the country in mezo makro when analyzed at a deep level, the change in him on the basis to identify trends technical carried out research on the development of the sector and the main condition for yo'nilishlari enough.

Research Methodology

Research in the process of scientific abstraktsiyalash, absolute, relative and average miqtorlar statistical evaluation, tables, and graphics, economic indices as indicators to analyze the dynamics of the movement from the method faydalanilgan row.

Analysis and Results

In the year 2022, the volume of production of agricultural products in the republic 345,2 trln in the current price. the sum of the organization, its 51,6 percent in farming, livestock 48,4%; while the network is created. Growth rate of agricultural products during the year 2010-2022 169,1 percent, respectively, and that the growth rate of agriculture and livestock products 155,1 185,4 percent additional annual average growth rates of 4.5; and that is equal to 3.7 to 5.3 percent. That's basically the level of livestock products is relatively high due to the effects of the change in the price has undergone. Accordingly, the size of the agriculture sector in relation to the production of livestock products of nearly 1.2 times (1,854:1,551 dynamic) in the case (table 1).

But at the same time, agriculture education, science, innovation and business and to provide effective management of the production of deep integration of this system has appeared the necessity of the formation of the unit.

The country's main macroeconomic indicator of gdp, which is created in the areas of network size and gross value added (clear) additional growth rates of the positive effects of their shows. In uzbekistan 1-according to the data of the table, of gdp in 2010 27,0 percent of the agricultural sectorif created at, 2022 this figure in years 3,5 percent to handle reduced. The same period, gdp in volume 2,017 timesthe network Yaqqi 2,046 times while in the case of increased, the



value added created in the agricultural sector (QQ) 1,673 times to grow, YAQQ's advancement koeffisienti 1,223 martani or 122,3 percent (2,046: 1,673) have been established. This indicator suggest that the pace of development of agricultural sector left behind.

1-table. Volume and dynamics of the main macroeconomic indicators of the republic of Uzbekistan

Years	2020 GDP at the price of the volume and clear, trln.sum			of agriculture, forest and fish resources, the share of qq, %		the size of the agricultural product, trln.roll				growth rate, %		
	GDP	realization of a network of		gdp in	Networks Yaqqda	the year 2020 at the price of	the current price	included, %		agricultural products	, including	
		a total of	this village in the forest, agriculture and fish					farming	livestock		farming	livestock in
A	1	2	3	4	5	6	7	8	9	10	11	12
2010	338,9	311,3	97,4	and 27,0	30,6	160,2	30,9	58,7	41,3	106,3	105,9	106,9
2011	364,4	335,3	103,3	29,7	33,5	170,1	45,3	57,1	42,9	106,2	104,9	108,0
2012	390,2	360,4	110,5	28,9	32,6	182,4	55,7	54,9	45,1	107,2	107,1	107,4
2013	418,7	387,1	117,6	27,8	31,0	194,4	66,4	54,5	are 45,5	106,6	106,1	107,3
2014	447,6	414,2	124,7	28,7	31,8	206,7	81,8	52,8	47,2	106,3	105,9	106,7
2015	479,8	444,4	132,3	29,2	became 32,1	219,3	99,6	55,6	44,4	106,1	105,5	106,9
2016	508,1	471,1	140,5	29,3	became 32,1	233,1	115,6	53,4	46,6	106,3	105,7	107,0
2017	530,5	491,3	142,2	28,7	32,2	235,4	148,2	56,2	43,8	101,0	98,2	104,1
2018	559,1	517,4	142,6	26,8	30,0	235,9	187,4	52,5	121,8	100,2	95,8	105,7
2019	591,0	547,4	147,0	24,6	26,9	243,7	216,3	51,7	48,3	103,3	104,8	101,6
2020	602,2	557,8	151,3	25,1	27,1	250,3	250,3	49,5	50,5	102,7	103,2	102,1
2021	646,8	599,8	157,3	25,0	26,9	260,0	303,4	50,1	49,9	103,9	104,3	103,5
2022	683,6	637,0	163,0	23,5	25,2	269,4	345,2	51,6	48,4	103,6	103,8	103,3

Source: agency on statistics under the president of the republic of uzbekistan, ma'lumot hisoblarni on the basis of the author.

The volume of agricultural products produced by farmers in the period analysis is carried out to 40.4 percent (78749,4:56400,5) increased, the current price is in 108390,2 billion in 2022. in all categories agriculture in the share of the sum or 31,4 percent 4,9 percent compared to 2010 decreased to handle. Because, diversified farms in the area of the cycle as a result of the increase in the size they are processed by the industrial character of the products can be explained as showing their impact on this indicator. (2 and 4 tables).

One of the important systemic reforms to be carried to the area of market relations in agriculture was introduced and the value added chain, creating a modern and effective method and your cooperation agroklasterni establishment.

The functions performed in software embodies agricultural sector in the near future, the prospects for the development of agriculture 2020-2030 strategy of the republic of uzbekistan adoption of specific agricultural and food industry of the country opened in the evolution of the new diary. In this document the food of the population-ensure food security, agrobiznes to create comfortable environment, natural resources rational use of the internal market as provided in case of sphere investitsiyaviy increase charm-priority targets along with a full supply of agricultural products grown in size and increase in the volume of exports to double, increase rise to defined functions[3].



In the agricultural sector than the manufacturing of the product to handle the growth rate of 0.4 percent in the year 2021 year 2022 slow, percent 103,6 362,9 trln in case the current assessment. sum of product produced. (3-atby d. v.).

Economic reforms in uzbekistan in the field of agricultural production due to clear-the obvious shift to achieve many village

2-the table. Main indicators of the development of the agricultural sector in the republic of uzbekistan

Of the year the	Village, the forest products of the farms and fish size and growth rate			of the agricultural sector in the agricultural sector created qq* the share of the product, %	of agricultural products agricultural sector salmoni the product incountryI, %	share of agricultural products in the total volume of business entities, %		
	evaluation in the year 2020, trln. roll	the current assessment trln. roll	growth rate, %			farms	Peasant (personal assistant) in the farms	agricultural activities in the organization of the implementation of
A	1	2	3	4	5	6	7	8
2010	168,3	32,7	106,0	57,9	94,2	36,3	61,6	2.1
2011	178,9	and 48.1	106,3	57,7	94,2	34,7	63,0	2.3
2012	191,2	58,5	106,9	57,8	95,2	to 33.0	64,6	2,4
2013	203,6	plummeted 69.4	106,5	57,7	95,7	became 32.1	65,5	2,4
2014	216,0	85,1	106,1	57,7	96,1	30,1	was 67,5	2,4
2015	229,2	103,3	106,1	57,7	96,4	30,7	66,9	2,4
2016	243,2	119,7	106,1	57,8	96,6	29,7	68,0	2,3
2017	246,1	154,4	101,2	57,8	96,0	29,3	68,4	2,3
2018	246,9	195,1	100,3	57,7	96,1	26,0	71,2	2,8
2019	254,5	224,3	103,1	57,8	96,4	27,9	68,3	reconstruction-3.8
2020	261,9	261,9	102,9	57,8	95,6	a 28.2	67,4	4,4
2021	272,4	317,8	104,0	57,7	95,2	29,3	65,5	5,2
2022	281,4	362,9	103,3	57,5	95,1	31,4	61,7	6,9

Source: statistical agency under the president of the republic of uzbekistan on the basis of data hisoblamasi the author.

*Rural, forest and fish resources, is one of tushiniladi

ukladli farm has been formed. However, this did not end up in the area to organize the production process, continues to seek new forms of running the household acceptable. The initiative of the president of the cooperative system in the cluster, and the next year began the work, but the whole xali round-basti did not show himself.



3-the table In uzbekistan, rural, forest and fish resources (agricultural sector) is the product of the volume and dynamics of

Years of	the added value created in the agrarian sector, billion, the sum of		the product of the size of the agricultural sector, billion, of the total		volume of agricultural products, the sum of billion	
	at current rates	the year 2020 at the price of	the current price in	the year 2020 at the price of	the current rates at the	output of the agricultural sector's share, %
A	1	2	3	4	5	6
2010	21251,3	96867,1	32746,5	168252,0	30856,7	94,2
2011	30658,6	102776,0	48068,3	178851,9	45285,9	94,2
2012	36954,7	109970,3	58549,3	191192,7	55750,0	95,2
2013	42636,8	117008,4	69391,3	203620,2	66435,3	95,7
2014	53613,2	124028,9	85101,7	216041,1	81794,3	96,1
2015	64680,3	131594,7	103302,0	229219,6	99604,6	96,4
2016	74779,0	139753,5	119726,7	243202,0	115599,2	96,6
2017	90983,9	141430,6	154369,4	246120,4	148199,3	96,0
2018	113327,4	141854,9	195095,6	246858,7	187425,6	96,1
2019	129885,0	146252,4	224265,9	254511,4	216283,1	96,4
2020	150493,7	150493,7	261892,2	261892,2	250250,6	95,6
2021	181787,7	156513,4	317027,6	272367,9	303415,5	95,2
2022	208452,9	162147,9	362898,0	282173,1	345191,7	95,1

Source. Uzbekistan president under the statistical agency of the author on the basis of data hisoblamasi

Among the important problems in the agrarian economy and the productivity of crops and livestock in order to increase productivity of seed selection and breeding work, enhancing the fight against agricultural pests, environmentally friendly products grow, reduce damage to the environment, rural infrastructure development and also to attract investment to multiply, you can add these goals to go.

Four of our economy, from agriculture a part of the organization, being at the heart of his nation, the price-stability margin, lies in the reserves of new jobs .

A worthy into account the particular issue in the agricultural sector, in the production process of digitization technology for wide is the use of roq. In this regard the president, you Sh. Assign as noted, the "Digitization is the area at factual statistics will not be. When you have the right information, you won't agro xizmatlar / development, when farmers sows, the more revenue you get, know that maydi. Therefore, b should speed up the process"[4].

From one of the most important issues in the areas and sectors of the economy and the formation of the value added chain is to determine its size.

As it is known, all business entities of the national economy and create added value in the summary of their networks and industry gross value added (clear) indicator is made up of. The amount of net taxes on the product to you if it is added to this index, the country's main macroeconomic indicators – gross domestic product (gdp) in size is formed. The structure of gdp, the share of taxes net change in 2010 – an average of 9.5 percent in the year 2022, around the year 2010 to 12.0 percent in the year 2022, while 6.8%, respectively.

The practice of statistics in the year of our republic, starting from 2016, which comes in accordance with the international standard of economic activities of insurance companies, IF tasniflagich – 2 in connection with the transition to agriculture, forestry and fisheries sector added to the network and, as a result, “agriculture, forest and fish farms with the title “A” came into being in the sections.

Be applied statistics in our country due to the international classification system and network of the network along with the share of the sector to gdp ratio have been detected in relation to gross value added. However, the separate business entities on the basis of statistical information available value-added indicators can not be detected directly. In particular, in 2022 the “a” sections yaqqda 25,2 percent of the weight of the network, then the share of agriculture farms and particularly on the fact that the data are not met in many of the statistical package when you arrive. However, the key to creating farms producing agricultural products business entities is not to be considered to determine the added value they require. Therefore, we recommend the following method to determine an index of the value added created in. Originally called “a” section, the share of agricultural commodities, then the “a” section, I determine the size of the face of multiply share of agriculture in value added will determine the size. The results obtained in the gross domestic product of the farm agricultural to multiply the weight in them, we calculated an index of the added value created(4-atby d. v.). Of those who noted the year of 2022 information on the algorithm can be detected as follows:

- a) the value added in agricultural sector size = 208452,9 billion. sum;
- b) the product of the agricultural sector size = 362898,0 billion. sum, including, the volume of agricultural products = 345191,7 billion. sum;
- v) the share of agricultural products in agricultural sector products = $345191,7 : 362898,0 = 0,951$ or 95,1%
- g) the size of the value added in agriculture, created = $208452,9 * 0,951 = 198238,7$ billion. sum
- d) share of agricultural farms = 31,4%
- e) the size of the value added created in the farm = $198238,7 * 0,314 = 62246,9$ billion. sums.

In recent years, the size of this indicator, the weight and dynamics of 4-if it is listed in the table, “a” sections of the share of the added value created in the chain of qq farm in the 2010, 2015, 2020, and 2022, respectively, in the year of 2020 year in rates 33,1; 29,8; and 26,8 27,7 percent, while all sectors of Yaqqida 10,3; 8,9; and 7.3 per 7,1 percent. All indicators identify the dynamics of the growth rates of the year 2020 based on their evaluation was made in years. Of course, occur in other industries such structural moved and their impact on the development of the sector can be explained as showing.

New years 2010-2022 analysis in the agricultural sector (agriculture, forest and fish resources) created at the growth rate of the volume of the product 167,2 percent, while in the agricultural network 168,2 percent in the share of the agricultural sector, its products incisions in the years since forest and fish resources, is equal to the product of the percent of -96,4 94,2 suggest that less share. In the current period (year 2022) 31,4 percent of agricultural crops in farms, 6,9 percent of the implementation of agricultural activities in the organization, the peasant 61,7 percent (a personal assistant) are produced in the farms. This next expressed the need to pay special attention to the development of business entities (table 2).



In this regard, the president of the country of employment to the rural people and agricultural products to increase the volume of the given year in 2023 population of 200 thousand hectares of the land area in the form of farm plots to offer to give enter.

Worth mentioning, 2010-2022 years than the growth rate of the population in some types of products, in particular, the total grain, to the growth of the cultivation of wheat that remains behind. Over the years the average annual number increased by 24.8 percent of the population, you have to grow wheat and grain and 13,5 25,5 percent of total per capita decreased. Other types of agricultural products compared to the growth rate of the population growth rate is much higher. This is the main factor of the population providing with the food products (5 and 6 tables). It should be noted that the productivity of crops, which are important quality indicators have a tendency to decrease the pace of change in the next year. In particular, the yield of cereals and legume crops 16,2 percent in 2010 compared to the year 2021, savzavotniki 16,5 percent reduced (table 5). This requires you to create varieties to suit the current conditions are.

4-the table Volume and dynamics of the product is created in the farms of the republic

Years,	the volume of the products of the farm, billion, the sum		in the share of agricultural farms, %	value added created in agriculture, billion soums		in the added value created farms, billion soums	
	at current rates of	the year 2020 at the price of		the current price in	the year 2020 at the price of	the current price in	the year 2020 at the price of
A	1	2	3	4	5	6	7
2010	11201,0	56100,5	36,3	20018,7	92099,7	7266,8	32229,9
2011	15714,2	57895,7	34,7	28880,4	97809,8	10021,5	33261,3
2012	18397,5	61485,3	to 33.0	35180,9	104852,1	11609,7	35323,5
2013	21325,7	64190,6	became 32.1	40803,4	111772,4	13097,9	36877,7
2014	24620,1	66244,7	30,1	51522,3	118814,0	15508,2	38057,8
2015	30620,8	68563,3	30,7	62351,8	126061,7	19142,0	39389,8
2016	34271,1	70277,4	29,7	72236,5	134003,6	21454,2	40374,6
2017	43358,1	65006,6	29,3	87344,5	135343,6	25591,9	37346,5
2018	48667,0	60521,1	26,0	108907,6	135614,3	28316,0	34769,6
2019	60394,7	66875,8	27,9	125209,1	140089,6	34933,3	38420,4
2020	70620,9	70620,9	a 28.2	143872,0	143872,0	40571,9	40571,9
2021	88761,5	74999,4	29,3	173061,9	149483,0	50707,1	43087,4
2022	108390,2	78749,4	31,4	198238,7	154864,4	62246,9	45241,8

Source. Uzbekistan president under the statistical agency of the author on the basis of data hisoblamasi

An important place in the world agricultural economy of the population to the food product by a certain level of material needs and requirements has been satisfied. According to statistics, the agricultural economic active population of 1 billion in the world today. the employment of more than man, as well as close to 5 percent of the total product produced in the world comes on to contribute to the network. According to the statistical forecast, “go to the year 2050, the



world population 9,1 billion. persons to be. In this case, meat and milk products of the world population and the requirements of the present day compared to 2,5-3,0 times are expected to increase". This in turn enhances the demand to grow agricultural products.

Research bermoqdaki that the agricultural sector at value added (QQ) of the formation of the chain are being given away procrastination. In this regard, the president of a chain of long and unproductive creating additional value in the field, the advice of the central asian leaders put forward their proposals at the meeting .

The growth rate of gdp in the republic 5.7 percent compared to the year 2022 2021 is equal to the additional year, and thus have added of the agricultural sector

5-table. Dynamics of production of agricultural products per capita

Godin	of the year 2020 at the price of agricultural products, thousand a roll	Grain and grain legumes, kg	Potatoes, kg	Vegetables, kg	Oziqabop melons, kg	fruits and berries, kg	Grapes, kg	Meat (in live weight), kg	Milk, kg	Eggs, pieces
2010	5608,8	259,2	to 59.3	219,3	41,4	58,7	34,3	51,2	216,0	107,2
2011	5797,7	240,4	63,5	238,4	44,1	64,0	37,2	53,3	230,6	117,3
2012	6126,0	252,5	to 69.1	260,9	47,6	68,9	40,5	56,2	245,5	130,1
2013	6427,9	258,2	74,4	281,7	51,5	74,8	43,7	59,1	260,7	145,1
2014	6720,3	261,7	79,7	301,9	55,1	81,0	46,9	62,0	274,1	160,9
2015	7006,6	261,1	82,6	300,0	59,2	78,9	48,5	65,0	288,4	176,9
2016	7319,2	259,4	87,6	319,8	64,2	82,0	was 50.7	68,2	304,7	193,2
2017	7268,0	225,0	86,3	315,5	62,7	80,7	was 50.2	70,6	310,2	195,5
2018	7158,0	198,3	increased to 88.4	296,2	55,7	82,1	48,2	73,7	317,6	226,0
2019	7257,2	221,5	92,0	304,2	61,6	82,0	47,7	73,7	319,1	231,0
2020	7311,9	221,0	91,0	301,8	uses 61.8	81,4	46,5	73,6	320,7	227,0
2021	7446,6	218,7	94,1	310,8	65,5	81,7	48,6	75,5	322,9	223,0
2022	7557,2	224,1	96,6	313,1	67,9	84,1	49,4	76,5	326,2	228,0
2022, the year of 2010 compared to the year,%	134,7	86,5	162,9	142,8	164,0	143,3	144,0	149,4	151,0	212,7

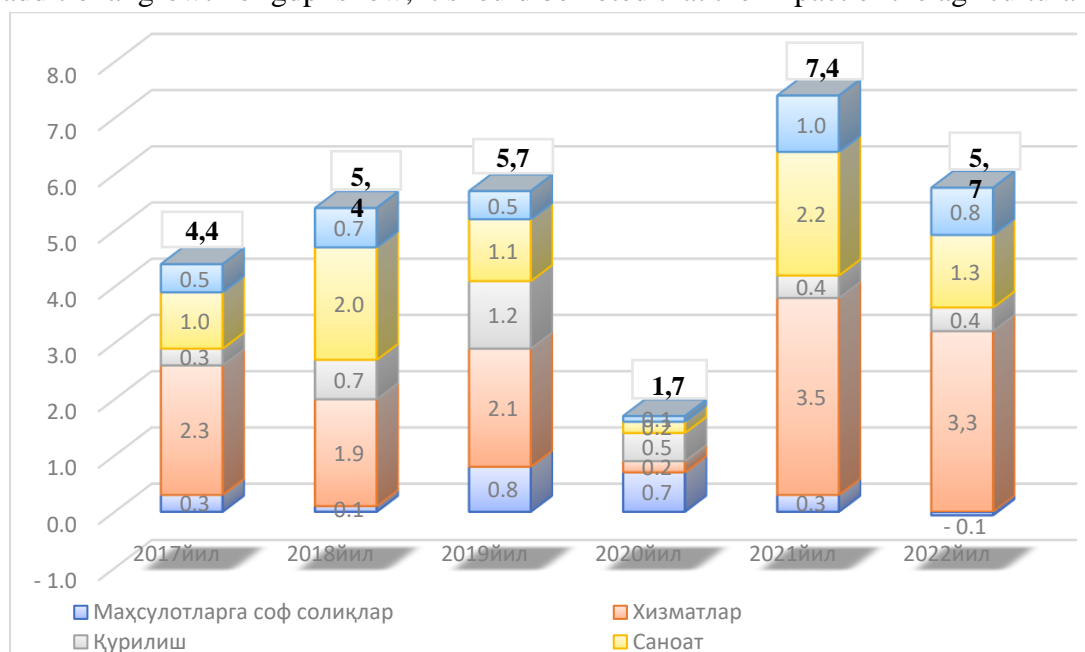
Source. Uzbekistan president under the statistical agency of the author on the basis of data hisoblamasi

6-table. Thiszbekistan production of agricultural products in the republic volume and dynamics

N	product types of	measurement units	2010 y.	2015 y.	2020 fols.	2022 y.	2022 year than the rate of change, percent in		
							2010 y.	2015 y.	2020 fols.
1.	Grain-total *)	, thousand t.	7465,6	8097,1	7234,4	7194,8	96,4	to 88,9	99,5
2.	sh.j.: a) wheat,	thousand t.	6745,0	6964,7	6157,8	5984,8	88,7	85,9	97,2
3.	b) grain for corn	thousand t.	231,7	439,6	475,3	590,0	254,6	134,2	124,1
4.	v) rice	thousand of t.	249,8	425,7	293,5	334,2	133,8	78,5	113,9
5.	Raw materials cotton	t thousands.	3404,0	3361,3	3064,0	3372,9**	91,1	100,3	110,1
6.	Potatoes	thousand t.	1694,8	2586,8	3143,8	3285,6	193,9	127,0	104,6
7.	Savzavot	thousand t.	6262,4	9390,0	10431,4	10850,2	173,3	115,6	104,0
8.	Oziqabop melons	thousand t.	1182,4	1853,6	2134,4	2285,3	193,3	123,3	107,1
9.	Of fruits and berries	thousands t.	1676,3	2467,9	2812,6	2852,6	170,2	115,6	101,4
10.	Grapes	thousands of t.	979,3	1518,2	1606,9	1695,3	173,1	111,7	105,5
11.	Meat (living in weight)	, thousand t.	1461,4	2033,4	2519,6	2635,1	180,3	129,6	104,6
12.	Milk,	thousand t.	6169,0	9027,8	10976,9	11274,2	182,8	124,9	102,7
13.	Eggs	million. pieces	3061,2	5535,4	7781,2	7788,4	254,4	140,6	100,1

Source. Uzbekistan president under the statistical agency of the author on the basis of data hisoblamasi

0.8 percent of the stock, industry, construction and services sector on the basis of the relevant indicator 1.3; 3.3 and 0.4 percent of the gdp of the area are noted effect on the growth rate and the level of additional network 14,0; 22.8 per; 57,8 7,0 percent and equal to. Thus, the additional growth of gdp is low, it should be noted that the impact of the agricultural sector.



1-picture. The contribution of the network in additional growth of gdp, percent

In 2022 than any other network in 2017. additional changes of the agricultural sector in gdp of 1.6 times compared to 0.8:0.5 in) we can see that grow. Such a small world salmoq growth, i.e., is equal to 0.5 is with the comments.

Summary

Average term land and water resources in priority directions of sustainable development of the agricultural sector in the conditions of shortage of opinion in the following:

deepening of structural reforms in the agricultural sector and diversification of agricultural production;

agricultural modernization of the network infrastructure and the processing of agricultural products, accelerate the process of technical and technological renewal;

mechanisms of improvement of the effective use of land and water resources in agriculture;

village food market infrastructure development and takomillashtirshi;

in order to determine the financial stability of the farm and agricultural policy liberalization measures kuchaytish view of the rights of private agricultural producers;

the productivity of crops and livestock development of the agrarian economy in order to increase productivity and seed selection the requirements of the times, it is necessary to strengthen work nasilchilik.

Note that the conclusion in the form of the agrarian sector activities, modern economic-statistical indicators in the field under different conditions of time and space complex on the basis of assessment of the condition of the production and consumption of products, the development and stability allows you to reflect.

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