



ISSN: 2350-0328

**International Journal of Advanced Research in Science,
Engineering and Technology**

Vol. 4, Issue 7 , July 2017

Statistical Assessment of Economic Activity of Farms Specialising in Fruit and Vegetable

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ABSTRACT: The article presents the theoretical aspects of the statistical survey of the activity of farms, which specialize in fruit and vegetable, and their specific features. The research which is specialized in studying the activities of vegetable and fruiting has also been undertaken by foreign and local scientists. The activities of fruit and vegetable farms in Fergana region were studied statistically and ways of economic development of specialized farming enterprises were studied.

KEYWORDS: Fruit and vegetable, Gardening, Farming, Statistical analysis, Statistical Evaluation, Statistical Indicators, Economic Activity, Dynamics.

I. INTRODUCTION

The agricultural sector plays an important role in supplying the population with foodstuffs and raw materials in the industry, with the result of recent economic reforms and consistent implementation of these measures, ensuring sustainable economic growth and increasing agricultural production.

The agricultural products produced in the Republic of Uzbekistan, particularly fruit and vegetables, grapes and melons, are characterized by natural circumstances. As The First President of the Republic of Uzbekistan I.A. Karimov said: "Our generous land is gladdened by its delicious fruits, fresh vegetables. The fundamental reforms implemented in agriculture during the years of independence and wide access to agricultural products in the world markets create great opportunities for farmers to increase their income" [1].

The productivity of agricultural enterprises, their profits and benefits not only increase the livelihoods of rural workers, but also affecting the development of all industries and industries that ultimately determine the growing rates of the national economy. The First President of the Republic of Uzbekistan I.A. Karimov stated: "... it is important to develop an effective mechanism for the creation of different forms of cooperation on the basis of voluntary processing of fruit and vegetable products" [2]. The role of farms in the cultivation of agricultural products, especially fruit and vegetable and grape products, and their transformation into finished products, is important, and the opportunity to increase the well-being of the population through the production of these products to the consumption of the population.

All necessary conditions have been created for the effective functioning of farming enterprises in Uzbekistan, their share in the production of agricultural products and the systematic increase in economic efficiency. In this regard, the Decree of the President of the Republic of Uzbekistan "On Measures for Further Improvement of Organizing and Developing Farming Activities in Uzbekistan" signed 22 October 2012 envisages further expansion of conditions created for increasing economic independence and financial viability of farms in the country, We consider that all issues related to raising the role of farms in the creation and improvement of the welfare of the population should be noted.

At the present stage of the socio-economic development, a number of legal-normative acts have been adopted by the government in order to support the government's support and development of fruit and vegetable businesses, which are established in rural areas [3]. These documents are aimed at deep reform of the system in order to further develop fruit and vegetable growing, horticulture and viticulture in all regions of the country.

At present, the government of the republic has set priorities for the full satisfaction of the demand of the consumer market for fruit and vegetable products, as well as increasing export volumes, modernization of the field. Solving these issues belongs to the effective organization of processing, processing and sale of fruit and vegetable and grape products, and the improvement of the system of statistical analysis of their activities arranged by farmers.



ISSN: 2350-0328

International Journal of Advanced Research in Science, Engineering and Technology

Vol. 4, Issue 7, July 2017

Because, there was not paid attention to the research of the methodology of their statistical analysis and the economic activity of farms which specialize in the producing of fruit and vegetable products at the regional level.

Based on the above considerations, it is important to analyze the dynamics and trends of fruit and vegetable production, to carry out a multivariate statistical analysis, to determine the relevance of the selected research, the importance and practical significance of studying the methodology of statistical analysis of economic activities of fruit and vegetable farms in the conditions of modernization of the economy.

II. SIGNIFICANCE OF THE SYSTEM

The article primarily emphasizes on the statistical analysis of farms specialized in fruit and vegetables, there by suggesting scientific implications and recommendations, making regional programs in this sphere and creating opportunities of enhancing legal, economic and organizational aspects of farming. The study of literature survey is presented in section III, Methodology is explained in section IV, Section V represents the experimental results of the study and Section VI discusses the Future study and Conclusion.

III. LITERATURE SURVEY

Studies show that Jan Mathis Schüpbach's work focuses on the role of agriculture in GDP, food security issues, investment in agriculture, investment in small farms, and farming activities, farming activities, and opportunities, Were examined in statistical models [4].

ChanphasoukTanthaphone's research examines the systematic analysis of farmers, their evolutionary development, farmers' monitoring, and technical development[5].

In the Susan Chiona survey, statistical characteristics and peculiarities of farming entities, key economic indicators and technical performance indicators have been statistically studied[6].

Scientist Sajna S. Shhenoy, a foreign scientist, describes the issues of organization of food tourism activities based on the activities of farmers in agronomic activity[7].

Kristin Elizabeth Devis conducts research on food security and agricultural management, including farming management, the peculiarities, shortcomings of the farmers, the state and non-governmental organizations, the economic aspects of this cooperation, the transition to technical development and transfer of farming activities Philosophy of attraction of technology, organization of farming groups and their advantages[8].

From this point of view, in our opinion: " Statistics of fruit and vegetable is a complex of economic relationships associated with collecting, processing, and analyzing quantitative data describing the condition, development, and prospects of fruits and vegetables in agriculture."

This aspect of the statistics is based on the analysis of the aggregate of agricultural sector's aggregate and systematized methods of study, the activities of farms specialized in fruit and vegetable production, their status, size, structure, quality, land resources, productivity, which has a direct impact on the effectiveness of the decisions made and their prospects.

IV. METHODOLOGY

In this research, statistical methods such as statistical observation, comparison, statistical grouping, dynamics pumps, and economic indices were used. Scientific and practical recommendations have been developed based on the results of the statistical analysis and evaluation of the activities of farms specialized in fruit and vegetable farming, and as a result of their implementation, it expands the possibilities of economic and institutional enhancement of farming activities.

V. EXPERIMENTAL RESULTS

Statistical research shows that cotton, grain and cocoons produced by farms are sold specially, while other products, especially fruit and vegetable products, are sold through markets. The delivery of fruit and vegetable products to consumers, processing and prepackaging remains low.

Due to the difficulties such as the access of farmers to fruit and vegetable production in the markets, the creation of a transport system, the purchase of packing materials, they lead to the death or the death of fruit and vegetable products.

Statistical analysis shows that, due to the existing problems in the storage and sale of farms:



- According to estimates, the decline in the production of fruit and vegetable products is at 25-30 percent;
- Reduced product quality and, as a result, the farmer is losing 15-20% of real income on average, due to lower product quality.

Therefore, we believe that further development of the farms specializing in fruit and vegetable industries should be based on the following principles: improvement of organizational and economic mechanisms of managing; strengthening and modernization of material and technical base; development of cooperatives and integration processes; diversification of markets; regulation of economic and foreign economic relations; development and implementation of effective and safe technologies; workers need to create social conditions.

At the present stage of the ongoing economic reforms, the rights of producers of fruit and vegetable and grape products are expanding their rights to use and dispose of their products, including export.

Nowadays, the demand for the actual volume of fruit and vegetable and grape products exported to other regions and countries is increasing. The output of fruit and vegetable and grape products can be forecasted, for example, by 20% for the near future and up to 30% for the long-term outlook. At the same time, it is possible to predict that most of the products exported abroad will be manufactured not by new fresh fruits, grapes and vegetables but by industrial processing products.

The demand for raw materials for processing is estimated taking into account the increase in the capacity of processing enterprises in the long term due to the growing demand for fruits and vegetables and grape products. At the same time, the demand for grape products is increasing as a raw material for wine, juice and raisin production, which is fully consistent with the trends of the world market.

The consumption of fruits and vegetables and grapes in the rural population is mostly natural, and is less noticeable than cash and market prices. Most of the rural population grows fruits, grapes and vegetables directly on their own land parcels.

Given the demand for fruits and vegetables and grape products in urban areas, its size will largely depend on the size of cash income of the population and the market price of the product. Given the complexity of land and water resources in the cities and districts of Fergana region, attention is paid to increasing productivity of fruit and vegetable and grape products on the basis of intensive production.

There are reserves in the region to increase productivity, and there is a significant difference in productivity in some regions. It is recommended that the following problems be solved (Table 1).

Table 1. A set of problems in farming specialized in fruit and vegetable farming

Problems in the fruit and vegetable complex	
Farmers specializing in vegetable and melon farming	Farmers specializing in fruits and grapes
The fact that most specialized farms are located on low land	Low grasses and vineyards
Poor availability of farms with specialized equipment	Low levels of illness control
Violation of mineral fertilizer plant standards	Gardens (25), vineyards (28) have a high exhaustion
High productivity during harvesting and storage	The low level of mechanization and the availability of special machines for garden (29) and vineyards (18)
	In most cases, irrigation of gardens and vineyards can be made 4 times instead of 4 times
	High level of product loss
	Not to the extent that it is necessary to work on the creation of the sprouted varieties that are resistant to disease and adverse climatic conditions.

Source: compiled by the author

Statistical analysis shows that in recent years, the development of horticulture and viticulture in Uzbekistan has been accompanied by extensive and intensive factors. The main way to increase the volume of fruit and vegetable and grape production in irrigated areas is to increase the productivity of fruit trees and grape seedlings by intensifying each hectare of land, the introduction of new innovations in organizing reproduction processes, selection of advanced technologies and varieties of varieties.0020



ISSN: 2350-0328

International Journal of Advanced Research in Science, Engineering and Technology

Vol. 4, Issue 7 , July 2017

In our view, the opportunities available to increase the export of fruit and vegetable and grape products depend largely on the set up of a set of work from raw material preparation to converting currency earnings from international sales. For this purpose, in the process of preparing raw materials for fruit and vegetable and grape products, it should take into account that it is intended for the export of products, that is, the requirements of the international standard.

The statistical analysis showed that in recent years, positive trends have been observed in this direction. Improving the quality of fruit and vegetable and grape production for export, promoting the promotion of local goods through the media, organizing various exhibitions, product tastes and other measures. It is important to develop this activity.

It is important to pay attention to the appearance of the product. Apples grown in foreign countries, citrus fruits have the same appearance (color, structure, size) and beautiful designs. It is necessary to pay attention to identification of export-oriented varieties (flowering, packaging, etc.) by the farmer. Also, the proper organization of advertising of fruit and vegetable products plays an important role. You do not need to spend too much money on advertising. In our opinion, it is very effective to make advertising on the Internet. Placement of fruits, vegetables and grape products on the most widely used websites (Made in Uzbekistan under the slogan 'Made in Uzbekistan') is one of the key factors in the development of exports.

The development of exports of fruits and vegetables and grapes is one of the priorities of economic policy and should become a new source of foreign exchange earnings due to the decline in exports of certain goods and services in the current global financial and economic crisis. In order to implement the measures for the development of the export potential of fruits and vegetables and grape, first of all it is necessary to make investments compatible with the interested parties.

It is necessary to involve foreign investors who are interested in studying advanced international experience in the production and sale of fruit and vegetable and grape products and the introduction of modern technologies.

The region has a number of advantages to attract foreign investors: cheap labor, state benefits, finished product markets, improved banking services and so on. Using the above facilities, the export potential of the region can further increase.

VI.CONCLUSION AND FUTURE WORK

Based on the results of the research, the following conclusions were made:

1. It is impossible to develop the activities of these entities without the need for statistical accounting and statistical analysis in the farms where the accounting, reporting and analytical activities play an important role. Studies have shown that it is important to analyze statistical analysis of the results of farming activities, identify and eliminate errors and omissions, identify existing opportunities, and identify ways and means of introducing them in timely production.
2. Rapid data loses its relevance, but it plays an important role in evaluating the farmer's business if they are analyzed on a statistical basis in time. In addition, a thorough and profound statistical analysis of the results of economic activity based on reporting data serves as the basis for identifying all the factors causing its success or failure and the possibility of future repetitions and setting appropriate measures.
3. The Fergana region has great potential for fruit and vegetable and melon cultivation: fertile soil, abundant water resources and moderate climate, and the rational and rational use of farmer labor, providing them with a comprehensive approach to the region's economy, Will lead to further improvement. But one of the main problems - gardens are outdated. There is not enough seedlings to update gardens than calculations. For this purpose, it is desirable to provide economical support to land forests.
4. In the conditions of diversification of the economy, the farmers of the region are not able to achieve the maximum efficiency by preparation of raw materials of fruits, vegetables and grapes, transportation, storage and processing of industrial methods due to their economically low power. In this regard, there is an objective necessity for the establishment of major infrastructure units for the provision of services to the sub-complex of fruit and vegetable and grape products, which are expected to play an important role in the production process. Given the importance of these businesses, it is necessary to provide them with comprehensive organizational support.



ISSN: 2350-0328

International Journal of Advanced Research in Science, Engineering and Technology

Vol. 4, Issue 7, July 2017

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