

## TRENDS OF DEVELOPMENT OF FARMERS IN INTENSIVE HUNTING

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### ABSTRACT

In this article trends and changes of development of a savdovodstvo and intensive gardening in the region and in the country in general are considered. Are submitted the analysis of the current state of the areas of gardening and their change. The recommendations of an irpedlozheniye about improvement of gardening in the Kashkadarya region and the republic are given.

**KEYWORDS:** Gross revenue, intensive, farm, construction, productivity

### INTRODUCTION

In our country in the conditions of liberalization of economy large-scale reforms in the field of intensive gardening and wine growing are undertaken. Even before creation of farms in the sector of fruit and vegetables the most part of fruit (78.1%) was grown up by Dehkan farms and farms. In particular, in 2016 60.6% of total area of gardens 33.9% - to Dehkan farms were transferred to farms, the others belonged to other agricultural enterprises. Besides, 45.7% of all fruit which are grown up in 2015 are grown up on farms and 52.2% on Dehkan farms. If to draw a close attention to these figures, that is for 33.9% of Dehkan farms with the land plots, 52.2% of a harvest of fruit show high efficiency of Dehkan farms. Development of intensive gardening demands use of features in the industry. Specific features which need to be taken into account, according to us, the following groups:

The first group is various products of intensive gardening which are directly connected with intensive gardening; appearance of products, difference in the nature of goods; process of intensive gardens and labor-consuming harvesting; differences in maturing of fruits; All types of fruit can be stored and be processed.

The second group - the specific features connected with activity of intensive gardening farms. That is agricultural grounds and small amount of production; Production of fruit demands from the farmer of sufficient knowledge, experience and skills; far away from the market; The Possibility of cultivation of fruit in water, magnificent, mountain and foothill areas; Fertility on the basis of various agrotechnical actions; access to the field; experiments generally from generation to generation; the beginning of investments into the industry in 5-6 years; Very intensive influence of climatic conditions should be considered at intensive gardening. [1]

Organizational aspects of activity of intensive gardening economy can be divided into two groups.

Establishing intensive gardening business - land lease, a solution of the problem of possession and use of gardens; Infrastructure, use of objects; Possession of fixed assets; management of a farm; production creation; processing of the earth; care of a garden; protection against insects and diseases; harvesting and marketing.

Within economic aspects of economic activity of economy - landing and realization of fruit; contractual relations; price policy, mechanism of material benefit; financial and credit, tax, insurance relations; organization of processing and product sales; issues of professional development, retraining and use of scientific achievements of gardeners have to be resolved.

It is desirable to allocate to farmers the long-term credits for purchase of the mineral devices, mini-technologies connected with production, processing, storage and transportation of fruit.

### LITERATURE REVIEW

Theoretical and practical aspects of greenhouse farming development, issues of specialization and concentration of production, cost management and the formation of the organizational and economic mechanism for vegetable and water enterprises were studied by agricultural economists. For instance, Zuev & Abdullaev (2002) devoted their publication to vegetable growing in protected soil. Regional allocation of

green houses and their advantages in Uzbekistan are their main contribution emphasizing the importance of the work. Chazova (2009) focused on the aspect of forecasting consumer demand for vegetable products of closed ground. The author's findings are essential in the area of mathematical modeling of greenhouse vegetable crops and demand for it in the market. Medvedeva (2015) approached the forecasting of cycles and crises in overall agricultural products.

However, the author produced a generalized forecasting model for agricultural products. Umarov (2017) highlighted the issues of innovative irrigation in green houses located in Tashkent Region of Uzbekistan. Therefore a need for a particular approach for greenhouse farming is observed through the literature review. Significant contributions to the area of sustainable development of public production were made by such scientists as A.S. Ermakov, and D.S. Ermakov (2012), O.L. Kuznetsov and B.E. Bolshakov (2001), M.A. Kuvshinov (2011), L.P. Silaeva (2015), A.D. Ursul (2005), G.R. Yarullina (2011). Their findings were used in this research as a basis for mathematical calculations.

Some publications are devoted to scientific research of theoretical and methodological aspects of the problem of sustainable development of agriculture and the greenhouse farming market (Altukhov, 2016; Antsiferova, 2011; Botkin et al., 2016; Buzdalov, 2017; Kundius and Kharchenko, 2017; Minakov, 2015; Pustuev, 2016; Rubaeva and Prokhorova, 2015; Shaymardanova, 2010).

Methodological framework for the research of management and marketing, competitive market structure, industry and enterprise was built on the basis of studying the following works (Grishin et al., 2015; Gogolev, 2006; Nabokov and Nekrasov, 2017; Osipov and Ovchinnikova, 2005; Svetlakov and Zekin, 2017; Fatkhutdinov, 2002; Sharapova, 2016; Porter, 2006; Ostrom, 1998; Drucker, 2004; Kirtsner, 2001; Kotler, 1994; and others). Various aspects of the organizational and economic mechanism for the sustainable development of the greenhouse vegetable market require further research, especially with

## MATERIALS AND METHODS

Intensive gardening began in 2012. For example, the area of gardens in the territory of our country in 2013-2017 increased from 254.6 thousand. Hectare up to 279.6 thousand. Hectare, i.e. For 9%, and the quantity of gardens increased by territories of the country from 201.3 thousand. Up to 226.9 thousand. Hectare. for 12%. Productivity increased by 19%, and the gross product grew by 34%. In spite of the fact that these figures are low now, such growth rates in the short term indicate that development of the industry of gardening is positive development.

**Fruit and berry fields, gross collecting and productivity in our country**

	2013	2014	2015	2016
<b>Fruit and berries (thousand pieces)</b>	254.6	261.9	266.4	279.6
<b>from which profitability (thousand pieces)</b>	201.3	214.6	214.3	226.9
<b>Gross revenue (one thousand tons)</b>	2261.1	2490.6	2746.1	3042.8
<b>productivity (one thousand tons)</b>	112.3	116.0	128.1	134.1

In particular, taking into account a situation in the Kashkadarya region a share of gardens in the region in 2016-2017. Makes 17238.0 hectares. from 20755.6 to 20%. The area of younger gardens increased from 122,140 to 15,156.0 points and increased by 24%, and the share of intensive gardens increased from 1945.3 to 1954.5, or for 0.4%. The low share of intensive gardens in the region aggravates need of intensive gardening for the region now. However lack of necessary conditions for creation of intensive gardening in the region, lack of adequate knowledge and skills in the cost of new technologies for development of intensive gardening.

**Information on the existing gardens in the Kashkadarya region**

Available gardens, hectare	Areas of gardens, hectare	Areas of younger gardens, hectare	Intensive gardens, hectare
2016 year	17238	12214	1945.3
2017 year	20755.6	15156.0	1954.5

Today intensive gardening is based on the market principles and is not a method of administrative management for development of the industry, and it is rather an inadequacy of deliveries of high levels of mineral fertilizers, gardens and insecticides and also intensive methods of gardening. Quantity of the got profit low. In recent years increase in profit is observed. In particular, the analysis of intensive gardening in the Kashkadarya region in 2012 allowed to receive a harvest of 1025 000 sum from hectare of crops, 1957 000 sum in 2015, 3251200 sum in 2016 and profitability of 5895600 sum in 2016, 75.6 percent. In view of the fact that the average gross area of an average farm in the region in 2017 is 10.8 hectares the annual net profit of a farm is 33694.0 thousand Sumov. Of course, taking into account the level of this income, and good results are achieved. In particular, on an intensive garden farm Orifzhon who grows on the area of 3.5 hectares in Yakkabagsky district in 2017 the net profit of one hectare of gardens was 1055 000 sum.

Apparently above, development of intensive gardening in our country differs from traditional gardening, with its high productivity for the short period of time, with its high efficiency, resistance to storage and transportation of the grown-up fruit. Thus, for development of intensive gardening in our country it is expedient to realize the following tasks:[2]

- increase in quantity of the farms specializing in intensive gardening;
- interest rates reduction on soft loans and extension of tax benefits for effective development of intensive gardening;
- allocation of the grain and cotton fields free from intensive gardening, not for objects of housing construction, and for intensive gardening;
- Creating favorable conditions for import of the leading foreign technologies (drop irrigation) for development of intensive gardening and increase in efficiency.

Development of intensive gardening and achievement of high efficiency will allow to ensure in the future food security in our country, to fill the national markets with fruit and vegetables, to satisfy demand of the population for fruit and also will contribute to the further development of the export potential of our country and increase in the standard of living.

At the same time the most modern products are based on a private property and can be used for free agrarian economy, but also provide extensive information for those who want to get economic support from the industry. The garden network is not an exception. Now in gardening network there is a set of problems, revealing ways of their overcoming, minimizing shortcomings and applying new effective methods of gardening.[3]

For example, by 2016 the population of our country which is engaged in fruit and berries had only 39.3 kg of real consumption (only fresh, raw) within one year, and this figure will make 65.31 kg according to medical standards. Because fruit and berries are generally grown up in Dehkan farms, consumption of fresh fruit is 40% less than medical norms that, in turn, creates the need for additional fruit and berries of the population of the country. The deficiency of fruit in the national markets is compensated by import fruit from our country, and their share makes 35-40% now. The product range of import fruit from abroad consists mainly of our fruit, but our fruit differ in the taste, ecological purity and the maintenance not of GMB. However this problem can be solved by further development of intensive gardening in our country, strengthenings of material and technical resources of the farmers and Dehkan farms specializing in intensive gardening, implementation of new technologies and further state support. In our country there are a lot of affairs, but with intensive gardens still there is a problem.

Therefore, in our opinion, importance and importance of organizational and economic development of intensive gardening differ. The purpose of this article is the analysis of a number of methodical and practical

recommendations about the organizational and economic principles of intensive development of gardening, to organizational and economic mechanisms of development of intensive gardening.

The following difficult tasks are necessary for achievement of our purposes:

- theoretical studying of the current state of intensive gardening;
- assessment of the current state of fruit growing and intensive gardening;
- to define the factors influencing development of intensive gardening;
- to define ways of increase in efficiency of cultivation of fruit and berries;
- development of methodical recommendations about optimization of high-quality gardens;
- development of mechanisms of the state support of intensive development of gardening;
- justification of organizational forms of agro-industrial integration by production of fruit and vegetables, etc.

It is necessary to analyse carefully set of the economic relations developing in development of intensive gardening. Besides, close cooperation with research institutes, the centers and farmer councils in intensive gardening, carrying out theoretical and methodological researches, wide use of domestic and foreign experience, revision of the existing standard and legal documents, development of intensive gardening is planned. and production of high-quality fruit and berries.

According to us, the seasonality of operation of these products and use of human resources, operation duration, fast losses, harvesting, transportation and packing, non-standard grades of fruit and berries are the reasons of slow growth of intensive gardening.

It should be noted that in the region there are favorable conditions for mountainous and foothill areas and districts, with the aim of developing, developing and improving the efficiency of intensive gardening. Favorable climatic conditions, abundant rainfall, high land productivity and weak winds are most suitable for the future development of intensive orchards. In these regions, about 65% of intensive orchards will be used to increase production, increase the amount of fresh fruit and processed foods. to meet growing needs.

We are concerned that the lack of financial resources and the purchase of related equipment are a problem for many horticultural farms in the region. Therefore, in our opinion, it is desirable to introduce a system of specific measures for long-term leasing or concessional lending for farms engaged in intensive or intensive gardening in all regions of the country. To effectively implement these measures, government agencies, officials, or private entrepreneurs should rent companies and rent leasing operations.

In order to develop and increase the efficiency of intensive gardening in the region, it is extremely important to create stores, small and medium-sized enterprises, goods, trading and warehouse structures specializing in fruit processing, modern packaging and fruit cultivation, which correspond to the domestic and foreign markets of the country. Development and implementation of new investment projects to attract foreign and local investors. ahamiyatag view.

The aim of these projects is the development and implementation of comprehensive measures aimed at improving the productivity of intensive gardens through the optimal placement of highly productive seedlings. In addition, the correct placement of saplings in dekhkan and private farms and an increase in the area of highly productive competitive varieties. To achieve effective solutions to this problem is possible through the introduction of highly efficient and innovative technologies that are promising areas in intensive gardening.

The main disadvantage of previously unsupported layouts is that other types of agricultural production are present in the gardens at the same time and, in turn, little attention is paid to the composition of the coriander gardens. As a result of such allocation schemes, the volume of fruit crops grown in the region, as well as mountainous and mountainous. In the regions, there is a decrease in the efficiency of gardening. [4]

Based on the above, we propose to improve the efficiency of intensive gardening in the region as a prospective plan:

Economically:

- The increase in sales markets nigilnogo (bakery) products;
- stabilization of legislation and tax policy;
- reducing the share of imports in the domestic market;
- regulate the prices of products grown in gardening;
- increasing the level of material and technical base of the industry;

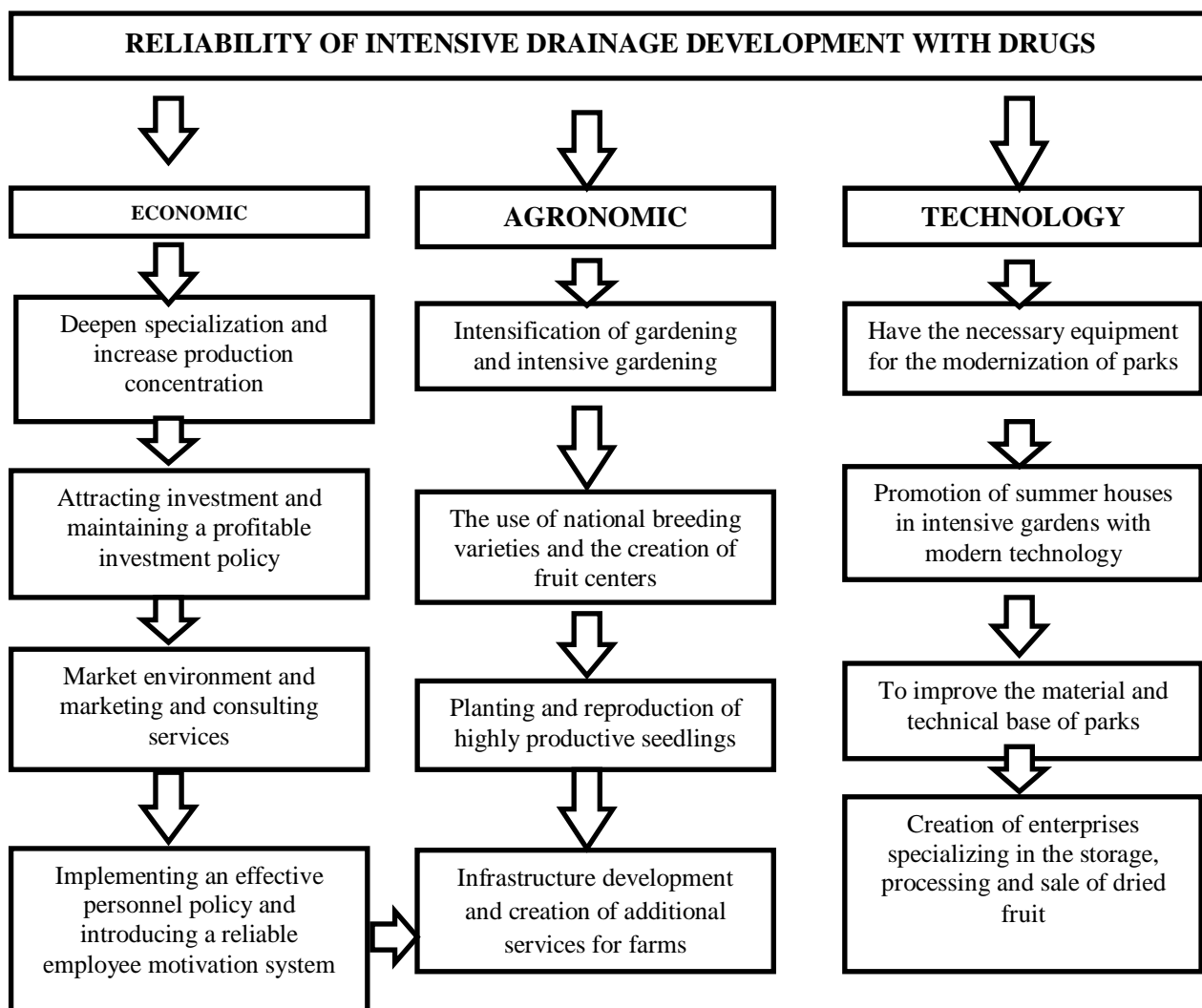
- Optimization of the wage system in horticulture;
- improving the quality of products grown for the purpose of increasing the demand for products in the domestic markets.

agro-ecologically:

- Efficient layout schemes in gardening;
- an increase in acreage for the creation of intensive gardens;
- effective implementation of spring frost-resistant and high-yielding varieties;
- Increased use of cost-effective irrigation systems and harmless fertilizers;
- the transition from extensive low-income gardening to new, modern intensive gardening;
- Reducing the level of stress and instability in natural and climatic conditions due to environmental protection and so on.

From the point of view of science:

- increasing knowledge and experience in improving the skills of horticultural specialists, improving the quality and average yield of garden products;
- strengthening the exchange of experience and knowledge between manufacturers and industry experts;
- providing education to qualified agricultural producers, etc.



**Figure 1. Reliability of intensive drainage development with drugs**

The above reasons determine the development of intensive gardening in the region. Thus, the main task of developing intensive gardening in the region is to rationally and fully utilize the potential available in this region, to develop and implement investment projects. The practical implementation of these projects is to

create favorable conditions for the full use of natural resources for the development of intensive gardening and increase in crop production, and therefore the following activities were developed to achieve the goals (Figure 3.2.1).

Currently, 71.3% of horticultural farms are concentrated in dekhkan and farms in the region, their processing amounts to 74.4%.

As a prospect for the development of gardening in the region, it is rapidly moving towards intensive gardening. To achieve this goal, it is important to ensure the success of scientific and technological progress and plant new varieties, introduce varieties that can withstand frost, are resistant to various diseases and provide an average annual crop of high quality fruits.

The main potential aspects of intensive gardening in the region are:

- convenience of natural, climatic and hereditary phenomena;
- the existing socio-economic potential necessary for the development of healthy gardening;
- Experience in agro-economic knowledge and crop production for the development of intensive gardening in the region;
- the hard work of the inhabitants of the region, their experience in agriculture, knowledge and intensity;
- Potential of product manufacturers in the territory and local markets.

Taking into account the above factors, prognostic indicators have been developed for the development of intensive intensive gardening in the Kashkadarya region. (Table 1).

Thus, according to the forecast of the intensification of the growth of gardening in the region, 4,771 new ones will be created by 2025, of which 1997 will be the construction of gardens.

**Table 1**  
**Expansion of gardens in Kashkadarya region**  
**Forecast for the period until 2025**

Indicators	2020		2025		Total	
	All gardens	stone gardens	All gardens	stone gardens	All gardens	stone gardens
Creating new gardens	2118	832	2653	1165	4771	1997
Creating intensive gardens (hectare)	121	65	213	107	334	172
Restoration of old gardens	747	483	1096	794	1843	1277
Planting area (hectare)	80	21	93	37	173	58
Growing seedlings (thousand pcs.)	2341,6	706,7	3751,8	1074,2	6093,4	1780,9

Currently, the region allocates land for the cultivation and development of intensive gardening in areas of cotton and wheat. For the effective and timely creation of large gardens with great attention is needed new sowing seedlings in the region. According to him, today in Kashkadarya region will need 6093.4 thousand seedlings. To solve this problem, it is important to increase the number of seedlings growing in the region.[5]

These seedlings are the basis for creating intensive orchards in the region and updating existing seedlings with higher yields and higher quality. Also in 1843 it is necessary to reconstruct the gardens and restore many gardens. These reconstructed and restored gardens are also of great importance for increasing the production of garden products in the region. The key and key factors for the development of intensive gardening are the provision of energy efficient and basic production facilities, as well as the creation of highly productive gardens.

According to the results of the forecast, it can be concluded that the rational formation of intensive gardening and the production of coniferous fruits in most cases determine the economic efficiency of the industry.

In addition, the increase in yields and the growth of gardening in the region due to an increase in the melting of the forecast indicators in the table will ultimately improve the overall horticulture system. The development of the horticultural sector is an incentive to increase the export potential of the region and the country.

## CONCLUSIONS

In our opinion, adverse changes in the agrarian sphere for these years led to the following negative trends:

- reduction or neglect national fruit trees, especially in the agricultural sector;
- cultivation of forages and berries generally in Dehkan farms;
- low productivity of the grown-up products;
- sluggishness in creation of new gardens and outdated long-term gardens;
- Reduction of the state support of gardening;
- Wear and tear of material and technical resources of storage and processing in fruit and berry farms.

Only from 1995 for 2008 the area of gardens was reduced on 58,000 hectares or for 54.2% up to 27.2 thousand. Or 58.5% of all types of farms. By 2006 farms of shirkat were the main producers of fruit and berries, and their share exceeded 55%. Nevertheless, elimination of shirkat and transformation of farms, agricultural firms and other agricultural enterprises led to neglect, anomaly and reduction of many gardens.

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