



State Development of Intensive Horticulture directions for Support By

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Abstract: *This article examines the development and changes of intensive horticulture in our country and regions. Current status and changes of intensive horticulture areas, harvested orchards in the republic. Proposals and conclusions on the development of intensive horticulture are presented in the examples of our republic and in particular the Kashkadarya region.*

Keywords: *intensive horticulture, productivity, productivity, specialization, profitability.*

Today, the development of intensive horticulture in the republic is one of the most important sectors in meeting the needs of the country's population for quality and safe food. At the moment, intensive horticulture requires a large amount of initial investments from business entities compared to traditional horticulture, but it is developing on a large scale in the regions of our republic because it does not require long-term investments (return of investment funds is expected for a long time). At the same time, the development of intensive horticulture responds not only to commercial capital, but also to the social and economic interests of society:

due to the high amount of initial investments corresponding to one hectare of land and the need for complex technical equipment and technologies, there is a need to support business entities from the state;

the development of intensive horticulture in the agrarian economy of the country, the introduction of modern technologies, the increase in the level of armament of labor in agriculture with modern technical equipment and technologies;

increasing the efficiency of using available agricultural resources several times as a result of the production of marketable agricultural products in terms of quantity and quality per unit of agricultural land area;

increase in the income of rural families as a result of the increase in the economic efficiency of dry farming, mountain and sub-mountain areas, which normally bring little income;

opportunities such as the creation of new jobs in rural areas and an increase in the number of industries producing products oriented to export, it is necessary to implement all-round state support measures for the development of intensive horticulture.

Currently, the state is implementing a number of measures in this regard. For example, at the meeting of video selectors held on July 23, 2020 under the leadership of the President of the Republic of Uzbekistan Shavkat Mirziyoyev, it was noted the need to establish the cultivation of at most 3-4 export-oriented and high-income products in each district, and by the end of 2021, intensive gardens in the form of plantations will be established on 3 thousand hectares. It is planned to provide employment for 2.0-2.5 thousand families by distributing 1.0-1.5 hectares to the population based on the new procedure.

Usually, intensive horticulture is an economically self-justifying capital volume production organized on a scientific basis. However, in most cases, the entrepreneur does not have the opportunity to purchase seedlings with high quality and expected performance. This issue is one of the big problems in the field of horticulture not only in Uzbekistan, but also in many neighboring countries. In particular, Russian experts point out that there is little choice for entrepreneurs in the development of intensive horticulture when purchasing seedlings with quality and expected quality indicators.

So, in this regard, the support of the state will be necessary for entrepreneurs. Also, intensive horticulture requires the introduction of technological equipment and new technologies related to the introduction of the drip irrigation system. Establishing the operation of such a system is the process that requires the largest amount of investment in the organization of intensive horticulture, and for the dryland farming of the republic, which is poorly supplied with water, and for the gardens established in the mountainous regions of the country, at the expense of additional water investments, the implementation of measures to irrigate gardens with underground water by digging artesian wells required. It is difficult to create such systems within the framework of farms. establishment of the system of infrastructures related to the field of processing and export is an important link in the development of intensive horticulture. Currently, these activities and the necessary infrastructure system cannot be implemented without the support of the state. Therefore, in our opinion, the directions of state support for the development of intensive horticulture should include the following (Fig. 1):

Firstly, supporting the development of the sector through the system of supplying material and technical resources to the entities engaged in intensive horticulture should constitute an important direction of the support provided by the state. In this:

- solving organizational and legal issues related to providing business entities with intensive-type seedlings;
- drip irrigation in intensive orchards is related to the import and localization of equipment and technologies;
- development of activities of entities supplying technical means and technologies related to dry farming, digging wells for the use of underground water resources in the foothills, using underground water;
- implementation of agrotechnical activities in intensive orchards, cultivation of orchard rows, especially issues of purchasing technical tools related to the fight against diseases and pests of fruit trees become urgent;

Secondly, the system of state support of intensive horticulture through financial and credit levers is the most effective and effective way today.

- ✓ financing of the development of intensive horticulture through state grants, grants and preferential loans of foreign financial institutions, as well as funds of target funds within the republic;
- ✓ introducing the practice of subsidizing a part of the expenses related to the installation of technological equipment and their operation of the subjects engaged in intensive gardening;

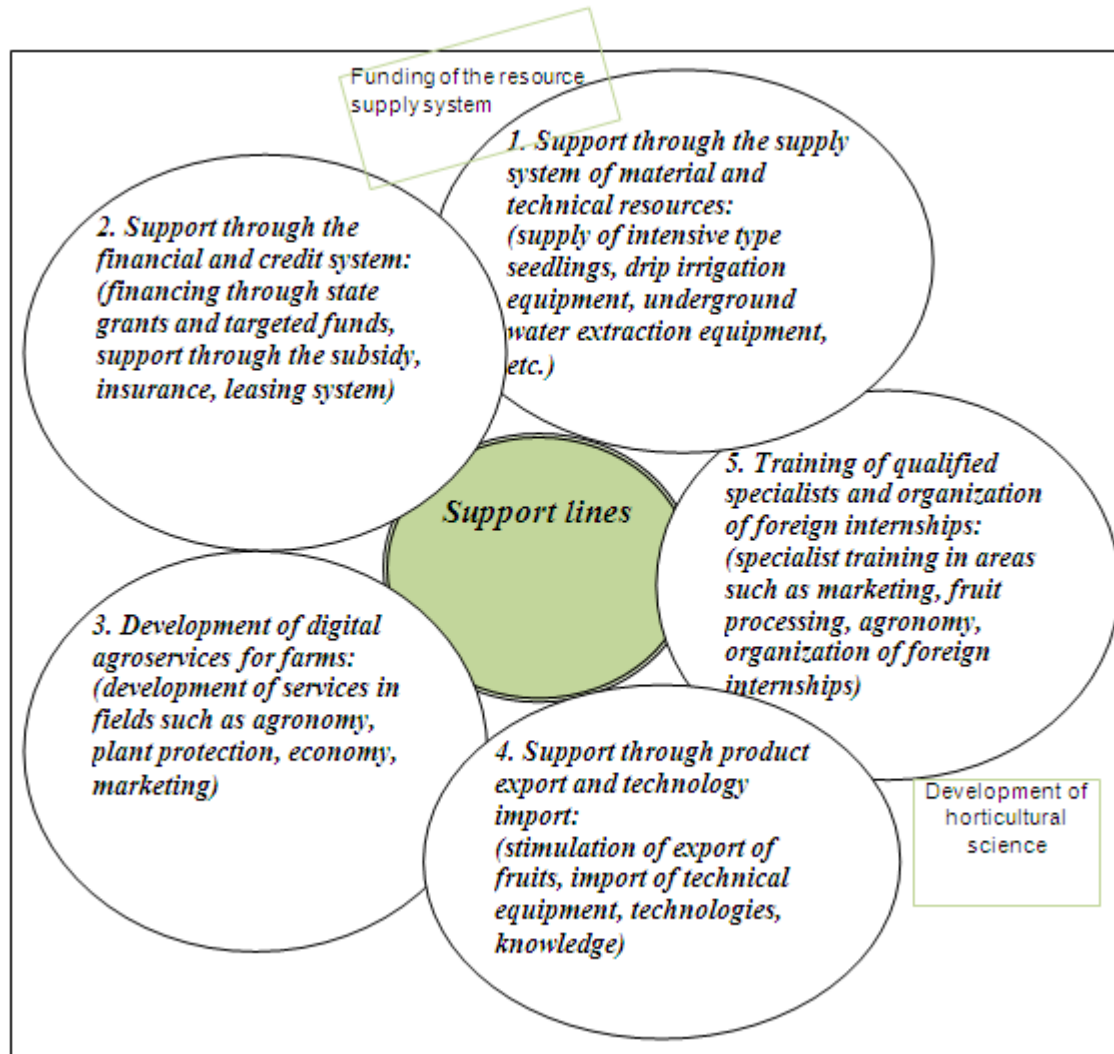


Figure 3.1. Development of intensive horticulture directions of state support

- introducing the practice of insuring the intensive horticulture industry against losses caused by natural disasters, as well as compensating the loss of most of the harvest due to spring natural disasters (short-term frosts that occur when trees are blooming, heavy rains);
- introduction of the practice of leasing agricultural machinery used in horticulture, including drip irrigation equipment;

Thirdly, the development of a digital agro-services system that is easy to use for fruit-growing business entities should be one of the important support of the state.

- agronomic services related to the care of intensive fruit trees;
- organization of measures against diseases and pests specific to intensive fruit orchards, development of activities of entities providing specific services in this regard (treatment of orchards with necessary preparations or entomophages);
- development of business plans in horticulture, assessment of financial risk in the trading system, production planning and development of consulting services in the field of accounting requires the support of the state;

Fourthly, supporting the activities of business entities through the export of horticultural products and the import of technologies is the next important state support in the economic direction. In this:

- development of export of processed horticultural products along with export of fresh fruits;
- it is required to implement activities related to the promotion of the import of technical tools, innovative technologies, and new knowledge necessary for the horticulture sector.

Fifth, training of qualified agronomists, entomologists, marketers, modern digital technologies, specialists in processing industries for the field of intensive horticulture;

- issues related to the development of the activities of subjects related to the regular improvement of the qualifications of specialists, the organization of foreign internships of specialists through relevant ministries and agencies should be under the constant attention of the state.

The second direction of state support for intensive horticulture shown in Figure 1 above, that is, "Support through the financial and credit system", is the most effective direction. In particular, if we take into account the current situation, the economic damage caused by natural disasters to the intensive horticulture network is mainly caused by short-term frosts and rains that occur in the gardens in early spring when fruit trees bloom.

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