

# Effective Methods for Organizing Intensive Gardens and Maximizing Income

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**Abstract:** This article mainly describes the importance of intensive gardens today, the agrotechnics of creating gardens. At the same time, the article also describes the advantages and disadvantages of intensive gardens. Along with the formation of intensive gardens, there is also information on how to use irrigation methods.

**Keywords:** Intensive, garden, water, resource, drip irrigation, symbagaz, agriculture, ecology, agrotechnics, global, tree.

Today, there are many environmental problems in the world. Due to environmental problems, various natural problems are on the rise today, and for that reason, it certainly does not affect agriculture. Today, the following problems are emerging in agriculture: global warming, increasing demand for water resources, various types of damage caused by pests to crops, excessive salinity of lands, erosion of fertile soils, and various other problems. due to this, agriculture is suffering, and the main reason for this is environmental degradation, and ecological degradation is caused by excessive and inefficient use of natural resources by people. In the territory of Uzbekistan, the productivity level of some types of one-year crops is decreasing due to various factors, and in order to prevent this, it would be appropriate to establish gardens and vineyards on some soils with relatively low productivity, rather than occupying land with one type of crop. was For this reason, it is certainly appropriate to create new gardens. If we talk about intensive orchards with high efficiency today, as a result of the use of advanced agrotechnical measures in modern intensive orchards, fruit spoilage has been completely eliminated. Productivity is also 1.5-1.7 times higher than previous intensive gardens. At the same time, today's fruit of intensive orchards is considered to be the main export product, besides, in the conditions of Uzbekistan, it has been tested that such orchards can cover expenses in 3-5 years and turn into a source of net income for several years. If we dwell on the requirements for the organization of intensive gardens, on the land where low and small gardens are planted, fresh ground water is 1.5-2 m and mineralized ground water is 3-3.5 m should not be close. In the lands near the rivers, the underground water level is 1.0-1.2 m, but the soil must be free of harmful (chloride and sulfate) salts. The area allocated for irrigated intensive gardens should be flat and its slope should not exceed 4-5 degrees. The width of the fruit trees grown in the orchards should be 100 cm for small trees and 150 cm for short trees so that the trunk is well lit by the sun. In addition, when the row spacing is 3.5-4.0 m, the trunks of the trees should be placed in the sun. will be well provided with rays. Every year, until the fruit trees are fully harvested, 40-50 kg of phosphorus, 30-40 kg of potassium and 60-70 kg of nitrogen fertilizers are applied per hectare. In addition, different types of drugs are used to protect against different types of damage at different times.

One of the most convenient aspects of intensive gardens is that the use of modern irrigation methods, especially drip irrigation, in this type of gardens is very convenient and allows to achieve high efficiency. In addition, it is possible to plant poly crops between trees, which is an additional indicates income. To further elaborate on the benefits of creating intensive gardens:

The high level of productivity, quick reimbursement of incurred expenses, ease of application of agrotechnical work, high quality of the crop (it is an exportable product), long storage period of the harvest from gardens, creation of jobs if processing enterprises are built, modern irrigation saving of irrigation water when plowing methods are used, etc.

One of the reasons why long-term gardens are being given great attention in the Republic today is that it is very convenient to export the harvest from the gardens to foreign countries. Since crops from gardens and

vineyards are perennial, in contrast to annual crops, if agrotechnical works are carried out on time, high productivity can be achieved every year.

### **Introduction:**

Intensive gardening, characterized by its meticulous planning and efficient use of space, has emerged as a lucrative venture for individuals seeking not only a green thumb but also a profitable harvest. This article explores key methods to organize intensive gardens strategically, leading to increased yields and higher income.

#### *1. Crop Selection and Planning:*

The foundation of a successful intensive garden lies in thoughtful crop selection. Opt for high-value crops in demand within your local market. Additionally, plan for succession planting to ensure a continuous and varied harvest throughout the growing season.

#### *2. Companion Planting and Crop Arrangement:*

Harness the power of companion planting to optimize growth and yield. Certain plants thrive when grown together, enhancing each other's strengths and deterring pests. Thoughtful crop arrangement within the garden space maximizes sunlight exposure and facilitates efficient care.

#### *3. Utilizing Vertical Space:*

Vertical gardening proves invaluable in space optimization. Vining plants such as tomatoes, cucumbers, and beans can be trained to grow upwards, significantly increasing the overall yield per square foot of garden space.

#### *4. Crop Rotation and Soil Health:*

Prevent soil fatigue and diseases by implementing a strategic crop rotation plan. Enhance soil health through the incorporation of organic matter and cover crops, ensuring a nutrient-rich foundation for your plants.

#### *5. Irrigation Techniques:*

Efficient water management is crucial for intensive gardening. Drip irrigation systems deliver water directly to the roots, minimizing waste and promoting healthy plant growth. Consistent moisture levels contribute to higher yields.

#### *6. Pest Management Strategies:*

Implement integrated pest management techniques to control pests naturally. By reducing reliance on chemical pesticides, not only do you contribute to environmental sustainability, but you also minimize costs, ultimately increasing the profit margin.

#### *7. Value-Added Products:*

Take your gardening venture to the next level by processing your produce into value-added products. Jams, pickles, and dried herbs not only extend the shelf life of your harvest but also increase its overall value, attracting a broader market.

#### *8. Market Research and Direct Sales:*

Understanding local market demands is key to a successful gardening enterprise. Explore direct sales to local markets, restaurants, or participate in community-supported agriculture (CSA) programs. Building direct connections with consumers enhances profitability.

As with all advantages, intensive gardens also have disadvantages, including:

- Creation of intensive gardens requires investment;
- If agrotechnics are not followed, it will not produce the desired yield;
- In the case of varieties brought from abroad, it is possible to get cold in winter, and in summer to encounter various diseases, and others.

Although there are some shortcomings in the organization of intensive gardens, the organization of intensive gardens is considered one of the promising plans. For this reason, Uzbek scientists are trying new varieties of crops suitable for our natural conditions in test fields.

In conclusion, foreign countries have great experience in creating intensive parks. If we can learn the experiences of foreign countries and implement it in our country, this will be another great achievement of ours. For this reason, today, great attention is being paid to improving the qualifications of personnel. The improvement of staff qualifications is the guarantee of future success.

### **Conclusion:**

In conclusion, the journey to a high-income intensive garden involves a harmonious blend of strategic planning, sustainable practices, and adaptability. By incorporating these methods into your gardening approach, you not only cultivate a flourishing garden but also cultivate a path to financial success.

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