

FURTHER DEVELOPMENT OF THE LEMON INDUSTRY IN UZBEKISTAN AND FURTHER IMPROVEMENT OF THE INTRODUCTION OF INNOVATIVE TECHNOLOGIES IN THIS AREA

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Annotation: This article contains recommendations for growing lemons on irrigated and fallow lands in the republic. Lemon cultivation is one of the main industries not only in agriculture, but also in gardening.

Key words: Farmer, entrepreneur, peasant farm, apricot, lemon, horticulture.

Uzbekistan is a sunny country. Every inch of our country is equal to gold. Each region has its own unique charm and beauty. From cotton and wheat grown in our country to yellow fruits, there are always buyers in the world market. The softer and more polished the fibers of our cotton, the brighter the fruit. A vivid example of this is the fact that our ancestor Zahiriddin Muhammad Babur longed for melons grown in our country. The fruits grown in our republic are so popular that they can be found in every corner of the world today. With the development of logistics, it is becoming more convenient to store and export fruits for a long time. Our sweet fruits, such as apricots, cherries, apples, walnuts, pistachios, peaches, plums, attract any foreign tourist like a magnet. Although its origin does not belong to our country, there is a fruit that is widely grown in our country today, and this fruit is good for human health. This medicinal fruit is lemon. Lemon is one of the healthiest citrus fruits. The favorable natural climatic conditions of our country, the fertile soil allow us to get a rich harvest of agricultural products, and even to take care of plants that are not adapted to our conditions. Today, at the initiative of our President, these opportunities are being used effectively. In particular, in recent years, the country has been paying serious attention to reforming the lemon industry, growing, processing and increasing exports. The role of this fruit in promoting human health cannot be measured by money. Therefore, lemon juice contains 3.5 - 8.1% acid, 1.9 - 3% sugar, vitamins C, RR and B, pectin, iron, phosphorus, potassium, calcium, magnesium salts. Therefore, lemon fruit is recommended as the most effective tool in diabetes, cardiovascular disease, when blood pressure rises. The food industry is an important raw material, especially in confectionery. Lemon is the first aid in colds. But it also has a lot of useful properties, which is why it has been used since ancient times.

In recent years, the country has taken consistent measures to reform the management system of the lemon industry, increase production and exports by expanding the area of lemon groves. It should be noted that 217 million sums are allocated for the cultivation of lemons on 1 hectare in the country. 516 million sums were spent. You can earn UZS. This means that the net profit is \$ 300 million per hectare. equal to UZS. In addition, the lemon grove will be planted with additional strawberries (217 million sums), 2 billion sums. You can earn up to UZS. At the same time, the net profit is 1 billion. 800 mln. sums. Lemon fruit is important for human health. According to experts, the annual per capita consumption of lemons is 2 kg. is calculated. In other words, Uzbekistan needs to produce 67,000 tons of lemons a year to meet this demand. However, in 2019, only 28,000 tons, or 42% of demand, were produced. Of this, 5.3 thousand tons or 12.2 mln. Lemons worth US dollars were exported to Kazakhstan, Kyrgyzstan and Russia. This decision of the President will be an important guideline for the development of the industry to meet such needs and requirements.

In particular, in 2018-2019, foreign credit lines worth \$ 46 million were attracted in the country, modern lemon groves were built on 730 hectares, and the total area of greenhouses for growing lemons was increased to 1,221 hectares. At the same time, insufficient attention is paid to the creation of new, productive and competitive lemon varieties on the basis of innovative technologies in the world market, the provision of quality information and consulting services is not organized at the required level. Due to the lack of information, the existing opportunities in the field are not used effectively. The country is widely developing mechanisms for further development of the lemon growing industry, expanding the scope of research, increasing the production of high quality industrial and export-oriented lemons through the use of advanced and modern resource-saving technologies, government support.

On February 19, 2020, the President of the Republic of Uzbekistan adopted Resolution No. PQ-4610 "On additional measures for the further development of the lemon industry." According to the decree, lemon groves will be built on resource-free and cotton-free lands using resource-saving technologies. The new lemon groves will be allocated under the program "Every family is an entrepreneur", the Fund for the Development of Horticulture and Greenhouses, the State Fund for Employment, support for farmers, peasant farms and landowners. The fund will be established at the expense of international financial institutions. From March 1, 2020 to cooperatives of lemon-growing farms and peasant farms, agricultural enterprises and business entities: 30 per hectare of costs associated with the construction of new lemon groves and the purchase of seedlings Up to 25% of transportation costs associated with the export of lemons will be reimbursed by the Export Promotion Agency as a subsidy from the Fund for Horticulture and Greenhouse Development. The resolution also approved a list of projects to be launched in the field of lemon growing and a list of areas specializing in the cultivation of lemons.

At least \$ 100 million from international financial institutions to finance projects in the lemon sector. U.S. dollars will be raised. Fundamental and applied research on lemon growing for 2020-2024, as well as innovative scientific and technical projects will be formed and implemented on the basis of grant competitions. The decision approved the general forecast of lemon production in the country. In particular, in 2018-2021, a total of 2,240 hectares of lemon groves will be established, from which it is planned to harvest more than 63,300 tons by 2025.

In the past, no one would have believed that the lemon industry would change as it does today. Domestic and foreign investment in the lemon industry is the basis for the development of this sector. Given the price of lemons on the world market, this fruit needs to be grown and multiplied more. The involvement of new innovative technologies in the construction of lemon groves is an important factor. Given the longevity of lemons and the ability to grow them in any season, it contributes to the sustainable development of the fruit economy.

New forms of ownership need to be created to further expand the lemon growing network. Lemon cultivation on private lands needs to be expanded. It is important to grow lemons on our farms and bring them to the local market, because today thousands of Uzbek children go abroad to work. It is a pity that such people do not use land in their homes, in their hometowns, in their homes, which is more expensive than gold. Bringing the lemon growing network to private farms and creating new opportunities in the field of lemon growing will lay the foundation for a prosperous life for every family.

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