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To Study the Effect of Soil Leveling on the Development of Cotton Growing

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ABSTRACT

The article highlights the key strategic product of our country's major export potential, which is the main product of cotton fiber by qualitative land improvement. One of the key factors in the development of agriculture is the detailed description of the land-improvement condition of the land by improving land-reclamation condition in the conditions of degradation of land suitable for farming and limited water resources.

Gradual transition to market relations, achievement of sustainable development of agriculture and water resources of the Republic of Uzbekistan in the period of development through interconnection with the world community on the basis of common economic policy, improvement of rational use of water resources, working out of modern technological processes as well as automated working equipment and at the expense of introduction into production by using water and land which is directly related to perspective ways of transition to new forms for agricultural production[6].

Today, the issue of rational use of water resources is one of the most important issues for specialists in agriculture and water resources. The demand for agricultural crops of irrigation water in vegetation period is not always provided. In addition, the achievement of high-quality and high-yield irrigation technology depends on the reclamation of cultivated lands [10]. The difference between old and modern foreign, national techniques is high. We can give following examples to show the difference: waste of fuel and time, quality of the work and others. But modern strong technics do not waste time and fuel, the quality of work is high. It is impossible to use old agricultural technics completely. Our president gave a lot of privileges to business men and farmers. So our farmers are using these privileges perfectly. We also must emphasize that our farmers are exporting their own harvest and are able to bring foreign technics and technologies. They didn't stop at it and are going to developed countries to practice and giving

their results on this sphere[5].

Taking into consideration above given ideas and opinions we shall emphasize followings:

- 1. To improve experience of skillful personnel to manage modern foreign agricultural and irrigating techniques and technologies.
- 2. To organize work and programme system of foreign technics correctly.
- 3. To use modern technics and technologies to improve ameliorative condition of lands and the quality of fertility.

From many years farmers are learning to increase fruitfulness of crops. In this aim they developed getting out wetness of soil, strengthen sandy lands, plaguing lands, planting seeds, working on rows, feeding the crops, watering, taking care of them and other agro technical action. So they getting improve the ameliorative condition of land.

It should be noted that more than 90% of agricultural production is produced by the method of farming. This situation indicates that the water resources are of great importance in agriculture, and their deficit affects not only the production of agricultural products, but also the entire economy of the country. One of these economical technologies is the technology of laser leveling of agricultural land. We can see that the method of land leveling using a laser can be done on a special laser device and save up to 25% of the irrigation water. The surface area of flat areas in flatbeds of laser leveling is flat, with a high noise level and the plane is close to zero horizon. As a result, the water is uniform and evenly distributed and the soil area of the crop area is uniformly moistened. The uniform, even distribution of water helps to save it [2]. An analysis of the results of the research has shown that improving the quality of mechanized works up to 15-25% when implementing the hard disk flattening device, which improves the baseline leveling, will result in the improvement and development of technical crops. In order to investigate the dependence of the microorganism of the field on the development of cotton and cotton productivity, a series of experiments were carried out at a depth of 10 meters, and the number of breeds of cotton was 3 meters long, the development of the palace has improved [4]. Due to excessive moisture in low (deep) areas of the unspoilt palace of the square, the development and productivity of the cotton fell significantly. Cotton yield has diminished because there is not enough humidity in places. (Figure 1, Table 1)

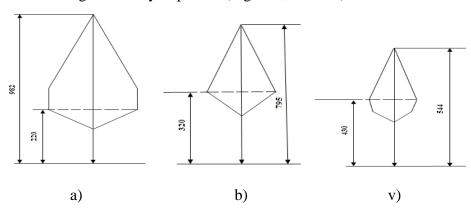


Figure 1: The size of the pine tree. a picture in a flat palace; b - in areas with high untouched, and v - at low altitudes

Table 1

Plot relief	Observing	The height of the	Number of	Number of bolls,
	date	bush, mm	horns, pcs	pcs
Flattened		312	3,5	-
Uneven	1.07			
Height		224	2,0	-
Low		163	1,3	-
Flattened		546	2,8	6,3
Uneven	1.08			
Height		391	6,0	2,2
Low		324	4,9	1,3
Flattened		701	14,6	12,2
Uneven	1.09			
Height		572	7,1	4,0
Low		463	5,3	2,4

The results of the above research and experiments have shown that the disk space scattering of irrigated land areas, along with improving land reclamation, has the following advantages:

- ✓ Water wasting cannot exceed 2 ... 2.5 times;
- ✓ Stingless fever exceeds 4 times;
- ✓ Irrigated lands are stored on the surface of the premises;
- ✓ Determination of soil fertility, non-extraction of soil fertilizers and their extinction;
- ✓ Qualitative processing of the series is ensured;
- ✓ Provides high quality and high speed of all agrotechnical arrangements;
- ✓ The crops are more productive;
- ✓ Construction of the mechanic;

In summary, we can say that the above points and analyzes show that the qualitative leveling of land in improving land reclamation is of utmost importance.

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