



## OPPORTUNITIES TO INCREASE LAND EFFICIENCY IN FARMING

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### Abstract

In the context of economic liberalization, the development of a comprehensive implementation of arrangements to radically improve the reclamation of lands to increase economic productivity is a very important issue. The state should be the chief executive in solving this problem. If this important measure is fully entrusted to farms, it will inevitably fail. Because they do not have enough technical and economic power. The state has huge technical and economic potential. To improve the reclamation of farmlands, it is necessary to establish economic relations in which the state joint-stock companies of irrigation and land reclamation will serve and receive their dues.

**Keywords:** agricultural economics, economic efficiency of land use, reclamation of lands, mineral and organic fertilizers, Irrigation, Uzbekistan.

One of the important factors in obtaining abundant and high-quality crops in agriculture is the efficient use of land and water resources. In this regard, it is especially important to maintain the reclamation of irrigated lands in a stable state. After all, it is impossible to get high yields from crops without improving the reclamation of lands and taking measures against salinization.

A long-term state program for the reconstruction, repair, and rehabilitation of reclamation systems aimed at radically improving the reclamation of irrigated lands is being developed and gradually implemented. This work is funded by the Irrigated Land Reclamation Fund under the Ministry of Finance of Uzbekistan.

The work carried out in Uzbekistan to improve the reclamation of irrigated lands will further increase the production of agricultural products, increase the income of farmers, improve the living standards of our people, the sustainable development of our economy. One of the main directions of this program is the land, which is the most important resource in agriculture, the constant increase of soil fertility, the improvement



of land reclamation.

Implementation of organizational measures to ensure efficiency and sustainability of production in 2020 through a further deepening of economic reforms in agriculture, modernization of all sectors of the industry, rational use of land and water resources, the introduction of modern resource-saving agro-technologies, further improvement of economic relations as a result, the following results were obtained.

In the context of economic liberalization, the development of a comprehensive implementation of measures to radically improve the reclamation of lands to increase economic productivity is a very important issue. The state should be the chief executive in solving this problem. If this important measure is fully entrusted to farms, it will inevitably fail. Because they do not have enough technical and economic power. The state has huge technical and economic potential. To improve the reclamation of farmlands, it is necessary to establish economic relations, in which the state joint-stock companies of irrigation and land reclamation will serve and receive their dues.

To increase the economic efficiency of land use, it is expedient to successfully address the issues of improving land and water relations. To do this, it is necessary to realistically determine the value of land and water, the fees for their use, the amount of taxes. This is based on the requirements of the laws of a market economy, as well as indicators such as limited land and water resources, non-reproduction, condition, quality, proximity to consumers, supply of means of production and infrastructure, products, the amount of profit. should be taken into account.

To enrich the soil with organic matter on the farm and to improve the soil structure, it is an annual that has a short growing season as green manure in the direction of repeated crops, gives a lot of green mass, and accumulates nitrogen in the soil ( legumes) it is necessary to arrange the planting of plants.

One of the factors in increasing the efficiency of land use on a farm is to follow the use of mineral and organic fertilizers on the farm following scientifically based recommendations. 60 kg of nitrogen, 30 kg of phosphorus, and 15 kg of potassium (pure nutrient) should be applied to the farm at a depth of 20-25 cm. If there is manure, 10-20 tons of manure is applied every 3 years.

In addition, organic fertilizers should be removed from the homes of farm members and community members and placed on farmland. When these recommendations are followed, land use efficiency can increase by 20-22 percent.

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on the farm, the irrigation norms are 1000-1400 cubic meters per hectare.

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Combining all of the above arrangements, it is possible to increase the efficiency of land



use on farms in our region by another 20%. To do this, it is recommended to create a program to improve the efficiency of land use, which includes the above arrangements.

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