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HIGH RESOLUTION AEROSPACE SYSTEMS IN INNOVATIVE DEVELOPMENT OF AZERBAIJAN AGRICULTURE

Abstract

As a result of the rapid continuation of urbanization processes on a global scale and the beginning of the transition to the 4th stage of the industrial revolution, the role and structure of the agricultural sector has undergone significant changes. Thus, against the background of the limitation of land and water resources, it is necessary to ensure a significant increase in global food supplies. And this requires the expansion of the use of intensive methods and new technologies that enable sustainable agricultural production. Therefore, the widespread use of aerospace technologies and innovations in agriculture currently serves as the main means of enhancing global food security and reducing the negative impact on the environment. In addition, the sustainable use of land, the alignment of agriculture with global climate change, and the increase in food production also necessitates the ongoing implementation of reforms in this area. Azerbaijan, which historically has deep traditions of agriculture, is one of the few countries that respond to these international appeals. Using aerospace tecnology for developing information system "E-agriculture" will ensure transparency and flexibility in the agricultural sector, including the issuance of subsidies, providing all benefits for farmers. It is an increase in the number of new market tools. The e-agriculture information system is a unified system of the Ministry of Agriculture of Azerbaijan, the main principles of which are proximity to farmers, transparent and effective management and the introduction of innovations.

This system includes the formation of all business processes that cover the entire process from the initial to the final stage.

The e-agriculture information system has the ability to customize control mechanisms to ensure the development of agriculture, as well as real time monitoring.