

## FINANCING OF AGRICULTURAL INNOVATION ACTIVITIES

Ishniyazov Bakhrom Normamatovich

Tashkent State University of Economics Senior Teacher

### ABSTRACT

In this article, the development of agriculture in the country today is based on market principles, the current state of agriculture in the country, modernization of production, financing of innovative agricultural activities are studied in detail.

**Keywords:** Innovative system, innovative development, innovative activity, agro-innovation, network, modernization, property owners, forms of financing, agricultural financing, perspective strategy, technological revolution, agro-innovative innovation, production complex, intensive technologies.

### INTRODUCTION

In accordance with the conditions and requirements of each stage of economic reform in our country, the mechanisms and forms of sustainable provision of farms by the state with financial resources, as well as their impact on the activities of farms, the provision of subsidies from the state budget and the improvement of procedures, conditions and mechanism for granting bail, are not sufficiently resolved,

### MAIN PART

The implementation of an innovative and technological and Cultural Revolution in Republican agriculture remains one of the most pressing issues of our time. The experience of developed countries shows that they all developed agricultural-related enterprises and carried out a kind of "innovative technological revolution" in their transition to an intensive and innovative path. The most basic problem of enterprises and organizations associated with agriculture in our country is the general technical and technological backwardness in relation to developed countries, characterized by the lack of use of agro-innovative innovations in it. The innovative development of the agricultural production complex has become very slow due to its very low technical and technological level, the presence of a huge number of farms that cannot afford to organize large and modern technological production, the lack of qualified personnel with modern knowledge in the field of Agriculture, much less informative materials, book-guides and information on agricultural production. If the conduct of Agriculture in countries that have made a name for the development of Agriculture on a global scale is directly related to Informational Technologies, genetics, innovative intensive methods, then in our country such work is carried out at a very low level and scale. But in a time when our country is rapidly entering and developing a market economy, increasing the efficiency of agricultural enterprises remains one of the main goals. That is why it is necessary to introduce the employees of the agricultural and management sector to innovative technologies in agriculture, achieve large-scale application of Informational Technologies in agriculture, bring and bring to life new types of multi-yielding and disease-resistant varieties of plants and vegetables from foreign countries, study all the positive experience of foreign countries in agricultural products,, the application

of progressive methods of care, collection, storage, transportation to the population and processing in all farms, implementation of methods of economical conduct and the organization of innovative departments in farm associations, the assignment of coordination of the process of carrying out all the work related to this is becoming one of the vital strategic issues. But now, much less agricultural specialists and farms are engaged in solving these problems. That is why many people have to import food from foreign countries and spend large amounts of foreign exchange reserves belonging to the state and the private sector for this. To solve the above issues, first of all, organizations are formed that provide consulting services for agricultural specialists (state-owned or private-owned), which provide employees of all agricultural enterprises and farmers with new innovative technologies, techniques that are necessary for them, they must provide quick information about the methods and constantly familiarize themselves with the methodological materials in this regard and the literature devoted to methods of obtaining high yields from agricultural products, and keep the results monitoring. It is necessary to be encouraged and managed by the state that such organizations and firms provide agricultural workers and farmers with the necessary information on an ongoing basis. Employees of a consulting company, who periodically or on request come to agricultural organizations and farms, to organize their production with new varieties, methods of combating diseases and pests, with drip irrigation methods, with veterinary preparations, methods of organizing production (including with the help of informational technology tools), storage of products, they will have to closely familiarize themselves with modern methods of delivery and sale, as well as with new technologies used in the world and the Republic. It is also a very important event for the consulting company to post all the information available to it (technologies, methodological materials, spravochniki, literature on improving the efficiency of agricultural production, etc.) on the internet portal so that it can get acquainted and use all. Only if the same work was carried out, agricultural enterprises and farms in our republic could provide the population with quality food products and ensure the food security of our country. At the same time, in order to emphasize the relevance of the problems, we will also show that in the coming years the Agriculture of our country can meet the following main problems:

- Declining new land areas for agricultural production;
- Increased salinity levels of the land areas and rendering a number of lands unsuitable for agricultural production;
- Changes in soil structure or its degradation due to the large-scale use of various artificial synthetic preparations and chemical materials;
- The occurrence of a state of insufficient water for irrigation in a number of Gods;
- Changes in weather conditions, temperature and amount of rainfall in traditional land areas where agricultural products are grown due to environmental changes;
- Decrease in the rate of growth of productivity with an increase in the amount of Mineral and organic fertilizers;
- Various problems caused by the rapid increase in the population of rural areas.

In the past, the main methods of dealing with food scarcity were the development of new lands (e.g. desert zones) and the use of new foods (e.g. fish farming). But the development of new land at us will further complicate the problems of the Aral Sea, but the development of the cultivation of alternative feed products, like fish, will not completely solve the problem.

Therefore, the intensive development of agriculture using innovative technologies in the conditions of our republic has become one of the requirements of the Times. The fact that a slight doubling of the yield of cereals, observed in several countries in the following years, was carried out by means of intensive technologies, is a clear proof of this.

In the conditions of modernization of the economy, it is important to study the results of the world-wide accumulated experience in the development of Agriculture and each of its branches, the measures taken, the implementation in practice of the various programs developed. Because the development of the country's agricultural sector cannot be achieved without the formation of economic relations with developed countries, including those that are close in territorial terms.

Providing a solution to the above problems, creating a favorable innovative entrepreneurial environment in Uzbekistan, forming an effective system of financing innovation activities, the following recommendations can be made on the application of the achievements in their practice in the conditions of Uzbekistan, based on the experience of foreign countries who have achieved great experience in the field of innovation in order to support the activities of innovative business entities widely by the state and protect their rights and build a national innovation system in the country:

- modernization of production in agriculture based on innovative innovations;
- regulation of international relations in the field of innovation processes;
- Organization of activities of institutions carrying out innovative infrastructure-innovation activities in the country;
- training, selection and placement of personnel in the field of innovation, creation of the necessary conditions for the creativity of personnel with scientific potential, etc.

In the context of the development of Agriculture, the need for more active regulation by the state is maintained not only through the use of stimulating measures, but also through direct capital input. Public funds, first of all:

restoration of technical potential in agriculture;

to complete the objects laid from the beginning of construction, provided for to the target applications;

to improve the material and technical background of agricultural science, seed production, breeding work, as well as the storage base in agriculture and Processing Industries;

to the housing development of the village;

should be integrated into the support of business in agriculture, the creation of activities with the lowest activity level of individual investors (elimination of the consequences of accidents, natural disasters, environmental disasters), facilities and systems that ensure the environmental safety of production.

In addition, measures to increase the rate of growth in agriculture by an average of 6 percent in 2023 in our country include: (growing 23.7 million tons of the main types of fruits and vegetables, sugarcane, potato products); planting vegetable crops on 157.4 thousand hectares and increasing the average yield from 234 centners to 260 centners; increasing the main areas of potatoes by 22 thousand hectares, to reach 71.8 thousand hectares and increase productivity from 210 centners to 230 centners; to increase the main area of rice crops by 4.4 thousand hectares to 75.9 thousand hectares and increase the productivity from 170 to 200 centners; The

issue of establishing intensive orchards on 25,000 hectares and new vineyards on 50,000 hectares, as well as raising the average yield from 84 to 110 centners in fruit and from 120 to 135 centners in grapes.

Based on statistical data, regression equations and correlation coefficients can be used to analyze the relationship between innovative products, works, and services produced in the country, as well as the volume of innovative products, works, and services produced in agriculture, forestry, and fisheries. It is advisable to use the "excel" program to do this. At the national level, in 2018-2022, we define the country's GDP (Y), the volume of innovative products, works, services (X1), the volume of innovative products, works, services produced in agriculture, forestry and fisheries (X2).

The result of regression statistics				
Variables	Coefficients	Standard error	t- statistics	p-value
Y-variable	98439795,13	50612832,48	1,9	0,19
X1	4,9	3,41	0,28	0,28
X2	1419,7	321,2	0,04	0,04

Based on the results of regression statistics, we can reflect the equation of regression, which represents the correlation between Y - the resulting factor and the influencing factors (X1, X2), using the method of least squares as follows:

$$Y = 4,9 X1 + 1419,7 X2 + 98439795,1$$

$$\text{Calculated } R^2 = 0.984; F(\text{count})=63.1 > F(\text{table})=0.01;$$

As can be seen from this model, the degree of correlation between the volume of innovative products, jobs, and services produced in the country's total, as well as the volume of innovative products, jobs, and services produced in agriculture, forestry, and fisheries, indicates that it is very strong and correctly proportional. The volume of innovative products, works, and services produced according to the results of the model is one million. the increase of soums allows the country's GDP to increase by 4.9 million soums.

Despite the positive trends in the field of agriculture, the level of production and sale of agricultural products in the republic does not correspond to the potential and economic opportunities of the sector. These problems can be solved, first of all, by creating conditions for the creation and implementation of resource-saving, innovative technologies. It should also be noted that the low solvency of farms, unpreparedness of personnel, low level of marketing, lack of mechanisms that stimulate the development of innovative processes in the agro-industrial complex are factors that prevent the introduction and development of innovations in the agricultural sector.

In conclusion, it is advisable to focus on the following innovative aspects of improving the agricultural financing system: improving the mechanisms of supporting rural and water agriculture through the Republican budget, extra-budgetary funds, and through the state and market methods of stimulating the outcome-oriented system of financing through investment programs; it is important to achieve a wider introduction of corporate governance, which is a modern form of financial management in agricultural enterprises, and thereby increase the efficiency of the use of material resources.

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