



Prospects For Technical Modernization Of Agriculture

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ABSTRACT

The article presents the results of the ongoing reforms to improve the technical potential in agriculture and the conclusions arising from this, as well as recommendations for a further qualitative and quantitative increase in the technical potential of the agricultural sector.

KEYWORDS

Agricultural Machinery, Holding, Joint-Stock Company, “UzKeysmash”, “UzKeystraktor”, “UzKlaasagro”, “Lemken- Chirchik”, Leasing.

INTRODUCTION

In Uzbekistan, the agricultural sector plays a special role in the development of our economy. Therefore, the economic reforms

carried out since independence has focused on increasing its efficiency and sustainable development of the industry. Along with the

development of various forms of ownership and the rapid development of farms as a promising form of management, special attention has been paid to the modernization of them and agricultural production in general, increasing its technical and technological potential. During the years of independence, the Government of the Republic has adopted a number of regulations to increase the technical capacity of the agricultural sector.

In particular, in order to maintain and further strengthen the existing technical potential of crop production in agriculture after independence and to consolidate high-performance equipment, the Cabinet of Ministers of the Republic of Uzbekistan dated March 24, 1995 No. 95 “On measures to develop contractual relations in agricultural production and maintenance”. According to it, on the basis of the old “Selkhoztekhnika - Agricultural machinery” departments in the districts, the State Joint-Stock Company Machine-Tractor Parks (JSC MTP) was established and their number was increased to 185. After that, under the state guarantee began to import high-performance equipment from the “Keys” Corporation, a leading US agricultural machinery plant on a lease basis. Subsequently, in order to maintain the existing technical capacity of the farms of the former company, the Decree No. 106 of March 10, 1998 “On measures to further strengthen the material and technical base of machine and tractor fleets and expand their services” began to establish alternative tractor fleets, at that time and their number reached 1641, and now they have at their disposal more than 16,124 tractors of various models.

THE MAIN FINDINGS AND RESULTS

Recognizing that the agricultural sector of Uzbekistan cannot be developed sustainably without agricultural machinery, and to provide

the republic's agriculture with modern equipment and mechanization; formation of a management structure of agricultural machinery that meets market conditions, as well as achieving stable and efficient operation of enterprises in the sector; In order to increase the competitiveness of their products, on January 31, 1996, the Cabinet of Ministers of the Republic of Uzbekistan adopted Resolution No. 45 “On the establishment of a holding company” “Agricultural Machinery - Holding Uzbekistan”, after that the holding company “Agricultural Machinery - Holding of Uzbekistan” was established.

During the years of independence, as a result of the creation of a solid legal and regulatory framework for the broad development of leasing relations in the country, the increase in the number of different leasing companies has led to increased competition between them. Most commercial banks and credit institutions have also begun to implement their own leasing programs. Purchase of agricultural machinery under leasing has become one of the main requirements of the agricultural sector and serves as an important tool for improving the technical and technological capacity of the industry.

Radical increase in the level of equipping agriculture and processing industries with modern high-efficiency agricultural machinery and technological equipment produced in our country, meeting world requirements and standards; foreign investment for modernization, technical and technological renewal of agricultural machinery enterprises; first of all, in order to attract more foreign direct investment of leading foreign companies, the President of the Republic of Uzbekistan dated May 21, 2012 No. PD-1758 “Further modernization of agricultural production in 2012-2016”; the adoption of the

resolution “On the program of technical and technological re-equipment” has eliminated these negative trends and made a radical turn in this direction in the history of our country.

It is no exaggeration to say that the adoption of this decision marked a new stage in the development of agricultural machinery in our country. Among the innovations should be noted the establishment of a specialized design bureau for the creation of modern agricultural machinery. This structure specializes in the design of machinery and equipment, taking into accounts the specifics of agricultural production of the country and the requirements for tillage, planting, harvesting techniques used in the production of cotton, vegetables, horticulture, viticulture and feed.

In addition, due to the creation of favorable organizational, economic and legal conditions for foreign investors, the number of joint ventures producing modern agricultural machinery with the participation of developed countries is growing, including: “UzKeysmash”, “UzKeystraktor”, “UzKlaasagro”, “Lemken- Chirchik” and other joint ventures.

In short, during the years of independence, the basis of modernization, technical and technological capacity building of agriculture in the country consisted of three stages, the first stage covering 1995-1998; efforts were made to maintain the existing technical and technological potential and the introduction of modern equipment and technologies. The second stage covers the years 1999-2011, during which the joint ventures produced modern agricultural machinery and provided them with the agricultural sector, and as a result increased the technical and technological potential of agriculture.

And finally the third phase started in 2012 and continues to this day. During this period, the management system of the agricultural machinery system was improved. On the basis of the adopted complex programs, the technical and technological potential of agriculture has been raised to a new level. (Table 1)

The results of the analysis of reforms carried out during the years of independence in the field of modernization, technical and technological renewal of agriculture in the country are the basis for the following conclusions:

Table 1

The main stages of increasing the technical potential of agriculture in the country during the years of independence

(Source: Based on the authors' research)

Stages	The main activities carried out	Achieved results
Stage I 1995-1998	Resolution of the Cabinet of Ministers of the Republic of Uzbekistan 1995 By Resolution No. 95 of 24 March, JSC MTPs were established, bringing their number to 185. By Resolution No. 106 of March 10, 1998, alternative MTPs were established and their number increased to 196. On January 31, 1996, the Resolution of the Cabinet of Ministers of the Republic of Uzbekistan No. 45 “On Establishment of	Efforts were made to maintain the existing technical and technological potential, and the introduction of modern

	Agricultural Machinery - Holding of Uzbekistan” Holding Company was adopted.	equipment and technologies was initiated
Stage II 1999-2011	In 1999, the Oliy Majlis of the Republic of Uzbekistan adopted the Law “On Leasing”. 2000 of the Cabinet of Ministers of the Republic of Uzbekistan In accordance with the resolution of November 20 "On measures to provide the village with agricultural machinery on leasing terms", a joint-stock leasing company "Uzbekistan Agricultural Leasing" was established. Leasing 2005 y. 60.9 billion, 2000-2005. delivered more than 7,500 pieces of equipment to agricultural enterprises. Local technical centers of agricultural machinery plants have been opened.	Joint ventures have been able to produce modern agricultural machinery and provide it to the agricultural sector, and as a result to increase the technical and technological potential of agriculture.
Stage III From 2012 to the present	Resolution of the President of the Republic of Uzbekistan dated May 21, 2012 No PP-1758 "On the program of further modernization, technical and technological re-equipment of agricultural production in 2012-2016." The "Complex measures to ensure the implementation of the program of further modernization, technical and technological re-equipment of agricultural production in 2012-2016" were approved. Resolution of the President of the Republic of Uzbekistan dated May 15, 2014 No PP-2176 “On measures to further improve the management and financial recovery of agricultural machinery enterprises”. The holding company “Agro-industrial machinery – holding” of Uzbekistan was established in the form of a joint-stock company.	The management system of the agricultural machinery system has been improved. On the basis of the adopted complex programs, the technical and technological potential of agriculture has been raised to a new level.

- An important basis for increasing the technical and technological potential of the agricultural sector is the development of agricultural machinery, the holding company “Agricultural Machinery - Holding of Uzbekistan” was established by a decision in 1996, but in 2007 the structure was abolished, which left a number of unresolved issues;
- A mechanism for obtaining long-term, ie at least 20-30 years of soft loans for the introduction of new equipment or advanced technologies for agricultural enterprises has not yet been developed;
- Lack of credit resources in commercial banks for high-performance equipment or technology, lack of investment in the agricultural sector compared to other sectors of the economy;
- The initial financial difficulties of enterprises selling and leasing equipment, the relatively low solvency of agricultural enterprises, the lack of qualified personnel hinders the rapid development of the industry, etc.

In order to increase the technical capacity of the agricultural sector, we consider it

appropriate to take the following measures in the future, including:

- It is necessary to develop and implement a mechanism to provide agriculture with domestic machinery and new technological equipment;
- Increase the amount of investment funds for the modernization, technical and technological renewal and re-equipment of agricultural machinery plants;
- Ensuring an integral link between the plant for the production of agricultural machinery and the farm, while fully taking into account the needs of farmers in machinery;
- Development of a mechanism to increase the interest of farmers in the introduction of new equipment and advanced technologies and taxation. wider introduction of financial-credit and insurance benefits, etc.

CONCLUSION

Taking into account the above, for the modernization, technical and technological renewal of agriculture, it is necessary to develop and implement systematic programs for the widespread introduction of market relations in this area and the development of a competitive environment.

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