Analysis and Reflections on Some Problems of Agricultural Mechanization

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Abstract

With the development of agriculture, mechanization has shown its great advantages in its development process. From the development side, based on the experience of relevant experience of developed countries and some regions of the experiment, the mechanization of agriculture can contribute fully to the development of agriculture and other aspects of the scale. Thus, agricultural mechanization can be said that the latest form of agriculture in the 21st century. But from a practical point of view, although the mechanization of agriculture has unparalleled advantages, but also in the process of operation exposed a lot of problems.

Keywords: Analysis of Agricultural Mechanization

1. INTRODUCTION
China is a large agricultural country, the use of 70% of the world's arable land to feed 22% of the world's population, agriculture is the rule of the country, and the mechanization of agriculture is the use of advanced agricultural machinery and equipment in agriculture, improve agricultural production and operation conditions, and continuously improve agriculture production technology and economic benefits of the process of agricultural modernization is the only way. Agricultural mechanization degree of improvement, marking the development and progress of social productive forces, marking the level of a new socialist countryside construction.

2. The status of development of agricultural mechanization
China's agricultural mechanization as a whole started late, but in some areas as agricultural reform "pioneer" in the very early as pilot areas to carry out the relevant movement of agricultural mechanization. Its experience, the basic form of a theory of mechanization management system from top to bottom, and with the theory and practice of partial constantly updated, rich, its meaning is also increasing, to the development of agricultural mechanization band to a new opportunity.

Development of agricultural mechanization in our country there are several trends. Specifically, the first is the eastern, central and western regions backwardness, which is due to the eastern coastal areas of agricultural development, economic strength, while other areas do not have such conditions caused; secondly, the degree of mechanization of the area around the city higher, and to a lesser extent rural agricultural mechanization and its surrounding county

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areas, which is the financial strength and technological strength decided. Overall, the level of agricultural mechanization is not high, many areas still preserved primitive farming methods. Thus, there is great potential for the development of agricultural mechanization.

3. Development of agricultural mechanization problems exposed
   (1) Is not suitable for large-scale agricultural mechanization
   Since China adopted the household contract responsibility system, land shared equally to every household, thus causing a dispersion of land, the land of farmers are not so big that small is not small, resulting in mechanization in this awkward position among. But many areas still followed the traditional "self-sufficiency" and can not form sufficient size to accommodate the development of mechanization, mechanization to pursue caused considerable resistance.
   (2) Farmers can not afford the high cost of mechanization
   In fact, many farmers also understand the great advantages of mechanization, also know for mechanization able to bring its huge economic benefits, and save a lot of time, manpower and material resources. However, the reality is that many small-scale agricultural farmers, even slightly larger scale, but also can not afford the high cost of purchasing agricultural machinery. While national governments have considered this issue and allocation of special funds to solve this problem, but still a drop in the bucket, and financial areas often do not have extra money to support farmers to buy machinery subsidies, thus causing farmers to buy Machinery not afford to buy dilemma.
   (3) The use of small agricultural machinery, general poor
   On the road to development of agricultural mechanization, agricultural machinery more and more have sprung up, but many mechanical design only for one or several phenomena or service crop, its scope is fairly small, often only in a particular season for specific crops useful Moreover, the scope of some machinery is very narrow, often confined to the geological conditions in the region, seriously affected the extensive development of agricultural machinery.
   (4) Agricultural machinery manufacturer promiscuity
   Determined as more capital into the agricultural mechanization of the industry, many manufacturers began to set up machinery and mass production machinery, but many people are "momentary brain fever", there is no machinery to do a good job, so quality machinery also irrelevant. Therefore clutter machinery industry is a prominent problem, if it does not control, China's agricultural mechanization will never stalled.

4. "Accelerate agricultural mechanization," the suggestions and countermeasures
   (1) To strengthen the agricultural machinery product structure adjustment and development
   First, the product structure adjustment. Now is the small farm machinery, low efficiency, but also sent a large farm of no use. You should adjust power machinery and farm machinery matching ratio. Such as large tractors plowing can take ripper farm machinery, farm machinery can bring the harvest, the slack can engage in transportation or drive engineering machinery, agricultural machinery functioning maximized. The second is the development of
new varieties of agricultural machinery, new technology. Jilin Province is a major agricultural province, the geographical situation plains, there are hills, there are mountains, agricultural machinery manufacturing enterprises should be developed for different geographical situation of power machinery and related farm machinery as soon as possible, in favor of a comprehensive "accelerate agricultural mechanization" development.

(2) To accelerate the land transfer and agricultural machinery operating channel construction

First, encourage the village as a unit or across the village and inter-regional transfer of land to carry out intensive land, even large-scale standardized production management, unified construction of agricultural operations channel, demonstrating "accelerate agricultural mechanization" to bring farmers and new rural construction rigidity benefits. The second is to encourage the development of agricultural associations, agricultural cooperatives, and promote voluntary cooperation of farmers, especially rural children left behind, the family of the elderly is more suitable for this model, increase production correct.

(3) The promotion of high-quality construction teams and high efficiency agricultural social service system

First, solve the agricultural extension service personnel aging. The "aging" performance in aging and knowledge of aging. Young people do not want to go to college to learn agriculture, agricultural machinery, now the township agricultural station basic skill is more than 1980s technology personnel as the backbone, they accept new knowledge, new technology has significantly inadequate, and knowledge of aging. Governments can introduce policies to encourage the young farm hands in rural orientation to college, so college students retain their hometowns, support it, the lingua franca. To meet their urgent needs, agricultural administration departments at all levels should take advantage of the slack season organized by topic, professional and agricultural technical training, forming agricultural hand and agricultural technical staff learning, training, doubts the long-term mechanism to ensure the maintenance of agricultural machinery, maintenance, use train service.

5. Conclusion

Although the scale of China's agricultural mechanization is not great, but because of China's agricultural market potential, coupled with the rapid development of China's agriculture, I believe that as long as the government agricultural mechanization combined with the right guidance and help, will be able to properly assist agriculture mechanization in the land of China.

References
[3] Li Jinxin Jiangsu Province 100 years of agricultural mechanization [D]. Nanjing Agricultural University, 2009.