



The Current Situation and Countermeasures of Agricultural Mechanization Development in Kailu County

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DOI: 10.32629/memf.v4i5.1498

Abstract: With the continuous improvement of the level of science and technology, agricultural mechanization can rapidly develop and provide strong support for agricultural mechanization. The rapid popularization of agricultural mechanization of grass-roots agricultural development, maximizing the reduction of the degree of labor of farmers, for the high quality of crop production provides the conditions, but also greatly improve the efficiency of agricultural production. This paper analyzes and discusses the main functions of Kailu County Agricultural Machinery Bureau, and learns about the fulfillment of the functions of Kailu County Agricultural Machinery Bureau by means of a questionnaire. It analyzes the existing problems of the main functions of the Kailu County Agricultural Machinery Bureau and discusses the reasons for the problems. Analyze the actual situation of the main functions of the Kailu County Agricultural Machinery Administration, and put forward reasonable countermeasures and suggestions in line with the development of the main functions of the Kailu County Agricultural Machinery Administration.

Keywords: agricultural mechanization, current situation, countermeasures, Kailu County

1. Introduction

The Agriculture and Animal Husbandry Bureau of Kailu County should strengthen the promotion of agricultural mechanization technology in the local area, strongly support the application of agricultural machinery equipment in family farms and pastures, actively guide farmers to learn agricultural machinery technology to increase efforts to promote the mechanization of the entire process of animal husbandry production in the city, and strengthen the development of agricultural mechanization in the local area to promote the transformation of agriculture and animal husbandry development throughout the county. In addition, Kailu County should strengthen the mechanization construction of agriculture and animal husbandry based on the actual situation of the county, and promote the transformation of the development mode of agriculture and animal husbandry in the county. The main agricultural product in Kailu County is corn. Although the production process of planting has achieved mechanization, the application of agricultural mechanization in the entire process has not yet been achieved.

2. Current status of agricultural mechanization development and its existing problems

There is an aging trend in the personnel of the county's agricultural machinery team, and the technical level of the professional technicians can meet the county's agricultural machinery technology needs, but there is still room for improvement.

2.1 Insufficient dissemination of information on new agricultural machinery

The authors conducted a random survey of farmers in Kailu County to understand what farmers really think. According to the summary of the survey can be understood, farmers for new agricultural machinery and equipment to understand the channels more dependent on the Internet, the staff of the propaganda efforts are insufficient, most of the farmers through friends and cell phone propaganda two channels to understand the agricultural machinery. Now the role played by the staff is not as good as the farmers' independent choice, the Agricultural and Livestock Bureau of agricultural machinery information propaganda is obviously insufficient.

2.2 Insufficient attention to the training of farmers and service providers

After this survey and visit, it was realized that the Kailu County Agricultural and Livestock Bureau does not provide enough training on agricultural machinery. The staff of the Agriculture and Livestock Bureau is generally older, and lacks young people with specialized skills, which leads to a lack of systematic technical training for farmers. During the survey,

it was also learned that farmers who had participated in one training session were not able to fully master the technology, lacked operating experience, and often made operational errors in the operation of the machinery.

3. Analysis of the causes of problems in the development of agricultural mechanization in Kailu County

After questionnaires and visits, it was found that the quantitative policy of the Kailu County Agricultural Machinery Bureau is inadequate. The Agricultural Machinery Bureau's statistics on agricultural machinery and equipment in the region and the townships under it are not complete and careful enough, and the process of statistics is not able to be specific to each household.

3.1 Insufficient information on new agricultural machinery

After investigation and research, Kailu County Agricultural and Animal Husbandry Bureau has a relatively insufficient understanding of new agricultural machinery. The State has introduced a policy of subsidizing the purchase of agricultural machinery, which subsidizes the agricultural machinery purchased by farmers according to the situation in the local area. Now the agricultural machinery service organs in Kailu County do not pay enough attention to the introduction of advanced technology machinery, and the subordinate units are not able to seriously understand the information of new agricultural machinery and equipment, nor can they let the farmers know the new machinery and equipment in time. The statistical errors of the townships will directly affect the data errors of the county-level units. As the relevant management system is not sound enough and not fully implemented in practice, this will cause serious limitations on the management of agricultural machinery, so that a lot of management work in a formal manner.[1]

3.2 Insufficient and monotonous training

After investigation and research, Kailu County Agricultural and Animal Husbandry Bureau for agricultural machinery training is not enough, for the training aspects of the work is not perfect, the subordinate units are not able to strictly implement. There are no strict requirements for attendance and learning outcomes during training, and there is "delaying" behavior on the part of service team members and farmers receiving training. There is the problem of township service personnel not having a high level of technical skills and a lack of knowledge of agricultural machinery and not having a reasonable sense of agricultural machinery management and service, and there is also the problem of management leaders not paying enough attention to management and not recognizing the importance and criticality of agricultural machinery management. Under these conditions, the team is lazy and unable to provide useful agricultural services. Training is still "on paper" and requires a combination of practical and theoretical exercises.[2] The training is not targeted and comprehensive. The way of training should not just be paper teaching, but should focus on practical operation, in order to better master the technology and maximize the effect of training.

4. Countermeasures and recommendations to effectively promote the development of agricultural mechanization

The Agricultural Machinery Bureau of Kailu County is expected to improve the agricultural machinery service system suitable for the development of agriculture in Kailu County, the need for strong support and financial security of the Kailu County Government, which is of great significance to improve the level of agricultural machinery in Kailu County.

4.1 Vigorously promote new cost-saving and efficiency-enhancing technologies, new agricultural machinery and the introduction of new types of machinery

Improve the agricultural machinery extension system in Kailu County and guarantee the construction of the extension system. The unit should regularly summarize and report on the situation of new agricultural machinery, so that the service team can have an overall understanding of the situation and facilitate the promotion and popularization of science to the subordinate service stations. Subordinate service stations should also promote to farmers in a timely manner, provide farmers with a detailed introduction to facilitate the farmers to update their agricultural machinery and equipment, and improve the yield and quality of farmers' agricultural production. Increase the support for agricultural machinery and high-end technical personnel to reduce staff turnover.[3] The Department of Agriculture and Animal Husbandry is required to make frequent visits to townships to supervise and ensure that farmers are safe enough to use agricultural machinery and equipment to prevent operational accidents.

Kailu County Farm Bureau can establish cooperation with machinery factories. The county unit can regularly send

service personnel to the factory for practical visits to understand the various properties of the equipment products. Combined with factory visits and the actual situation in the region, choose agricultural machinery and equipment that will be popularized among farmers in the region. The supervision of dealers and enterprises should be strengthened, and these units should be required to provide after-sale and follow-up services, and to solve problems with the machines they sell in a timely manner. [4] County-level units can reach purchase cooperation with factories according to the autonomous region's agricultural machinery purchase subsidy policy, reducing farmers' machinery and equipment purchase expenses, saving money for farmers to increase farmers' agricultural profit income. County-level units should often contact the factory in order to grasp the latest information.

4.2 Increase training efforts and seriously do a good job in agricultural machinery services

In view of the development of agricultural mechanization in Kailu County, it is necessary to strengthen the training of agricultural machinery service personnel and improve the technical level of the staff. To improve the overall quality of the management team, it is necessary to strengthen the training efforts in the system, strictly require staff to learn and master the technology, and carry out targeted training. Regular training of agricultural machinery service personnel to promote the construction of high-quality management services team.[5] County-level units to develop a reasonable training program, establish an effective mechanism to ensure the smooth progress of training. To do a good job of training cycle arrangement, not a single subordinate service station to decide to be trained personnel training. Training should be oriented to the grassroots level of each service personnel, and their regular assessment.[6] The location of the training should not be limited to classrooms or conference rooms, but should increase the actual operation teaching in farmland, not just theoretical teaching, to prevent the trainers from the situation that they can only solve the problems theoretically but not practically. County-level units should support the learning of subordinate township service personnel and encourage them to take the initiative to learn advanced technology.

5. Conclusion

This paper provides a more detailed analysis of the development of agricultural mechanization in Kailu County, points out and analyzes the main problems, and ultimately puts forward the Kailu County Agricultural and Animal Husbandry Bureau to effectively promote the targeted, feasible proposals for agricultural mechanization.

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