

Shandong Province Agricultural Circular Economy Development Present Situation and Countermeasure Research

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Abstract: This article has analyzed Shandong Province agricultural development present situation and the agricultural circular economy development basic principle, combined with the restricting factors of the development of agricultural circular economy in Shandong Province, the development proposals of agricultural circular economy in Shandong province are expounded, so as to further promote the development of agricultural circular economy in Shandong Province.

Keywords: Agricultural Development; Circular economy; Ecological civilization

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With the rapid development of agriculture in China, ecological agriculture as an important form of agricultural development has attracted much attention. Circular economy is a new pattern of economic development, and the development of agricultural circular economy is of great significance to the sustainable development of rural areas and the construction of new socialist countryside. At present, the overall deterioration of the agricultural ecological environment in China has not been fundamentally reversed. Only vigorously develop the agricultural circular economy, promote clean production, and solve the pollution problem at its source, only by minimizing the demand of economic and social activities on natural resources and the impact of ecological environment can sustainable economic growth be achieved with the least resource consumption and the least environmental cost. Therefore, in order to speed up the transformation and upgrading of agricultural economic structure and vigorously promote the development of agricultural circular economy, we should make full use of agricultural resources, reduce the discharge of waste, reduce the burning of garbage, protect the environment and raise people's awareness of ecological civilization.

1. Current situation of agricultural development in Shandong Province

According to the investigation of Shandong Province, the main source of agricultural pollution in Shandong Province is the pollution of breeding industry. As one of the major agricultural provinces in China, the input of pesticides and fertilizers in Shandong Province is also very large, but the degradation of fertilizers and pesticides is difficult and causes some pollution to the environment. In addition, the base of agricultural science and technology in Shandong Province is weak, and the scale of agricultural production is limited.

2. Analysis of the basic principles of Agricultural Circular Economy Development

2.1 Principles of development

The construction of agricultural circular economy development mode is fundamentally to burst out the extensive development mode of traditional agriculture and to be a dynamically developing agricultural economy, it is not a stagnant model of agricultural economic development based on damage to the agricultural environment. Agricultural Circular Economy pursues not only environmental protection but also agricultural production efficiency, taking into account both agricultural production benefits and ecological benefits, putting equal emphasis on the protection of resources and environment and the rational utilization of resources, and finally, while improving agricultural economic benefits, it also significantly promotes the efficient use of resources.

2.2 Market oriented principles

We should use economic means and legal provisions to guide farmers to participate in the construction of agricultural circular economy system. Regarding the choice of the development model of agricultural circular economy, we should fully respect the subjective will of the peasants, not force the peasants, and combine the prospects and advantages of agricultural development in Shandong Province, we will fully respect the autonomy of the peasants and local agricultural enterprises.

2.3 Overall interest principle

To develop agricultural circular economy, we must improve the utilization efficiency of various resources from the angle of the whole agricultural ecological system and the integration of ecological carrying capacity, the interests of individual economic agents or industrial individuals must be subordinated to the overall situation of building a resource-saving society and developing agricultural

circular economy.

2.4 Principles of mutual benefit

In the development of agricultural circular economy, the principle of giving consideration to both social economic and ecological environmental benefits should be fully respected. The development of circular economy can effectively utilize resources and protect the environment, improve the quality and efficiency of economic growth, promote the sound and rapid development of the national economy, and establish a system for the recycling of resources throughout society, to achieve the sustainable development of economy and society with the least consumption of energy and resources and the least environmental cost is the inevitable choice for the construction of ecological civilization.

3. The restricting factors of the development of agricultural circular economy in Shandong Province

3.1 Inadequate legal system

The development of agricultural circular economy needs the support of relevant laws and regulations and industry standards. However, at present, Shandong Province has not formed a relatively complete system of laws and regulations and industry standards in agricultural production, and there is a lack of relevant provisions to control the problems of resource waste and waste treatment in agricultural production, lead to the implementation of relevant measures in the responsibility of the problem, implementation of the individual, seriously restricted the development of local agricultural circular economy.

3.2 More serious environmental pollution in rural areas

Shandong Province is one of the major agricultural provinces in our country. At present, the pollution situation of agricultural production environment in Shandong Province is more severe. Specifically, with the continuous development of agricultural economy in Shandong Province, the use of pesticides and fertilizers has gradually increased, causing very serious pollution to the land. At the same time, the breeding industry in Shandong Province is developing constantly, but the methods to deal with the environmental pollution caused by the breeding industry are very backward, which leads to the deterioration of the local agricultural ecological environment.

3.3 Relatively backward science and technology in rural areas

At present, Shandong Province has limited achievements in agricultural research and relatively backward agricultural science and technology. For example, the treatment of agricultural production wastes is still extensive, and agricultural production resources are not fully utilized, result in the development of agricultural circular economy is not ideal.

4. Suggestions on the development of agricultural circular economy in Shandong Province

4.1 Continuously improve the legal system and strengthen policy support

The government is in the leading position in promoting the circular development of agricultural economy in Shandong Province. Therefore, the government of Shandong Province should make relevant laws and regulations as soon as possible, and issue relevant supporting policies. For example, the government of Shandong Province should perfect the laws and regulations related to the harmlessness of waste disposal, perfect the measures of waste disposal, make clear the punishment regulations of destroying the environment, and create a good legal environment for the development of circular economy in Shandong Province.

4.2 Protect the environment

Shandong Province is a big agricultural province, the use of chemical fertilizer and pesticide is large, but the utilization rate of chemical fertilizer and pesticide is not high, which leads to serious environmental pollution. Therefore, in order to promote the development of circular agricultural economy in Shandong Province, the use of chemical fertilizer and pesticide should be controlled and the use rate of chemical fertilizer and pesticide should be raised as much as possible. At the same time, the government should actively promote and promote some chemical fertilizers and pesticides that have less impact on the environment, and encourage enterprises to set up special recycling stations to deal with the wastes generated in the garment industry in a timely manner, the government should subsidize these enterprises properly in order to protect the ecological environment.

4.3 Raise the level of agricultural science and technology

The level of agricultural science and technology is an effective barrier to ensure the development speed of agricultural economy and the benefit of ecological environment, is an important support to realize the sustainable development of agricultural economy. According to the superiority of resources and the level of economic development in different areas, the mechanism of promoting local agricultural science and technology should be improved, and the principle of sustainable development should be followed.

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