The Modernizing Agriculture and Route Choice: the Internal Logic of Economic Development in Ethnic Areas

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Keywords: Modernizing agriculture, Construction of new countryside, The national ranges, Basic ideas, Suggestions of policy.

Abstract. With the advancement of modernization and harmonious society, the modernization of the agriculture and its development is becoming a intrinsic logic of construction of new countryside. In view of the visual angle of sociology, this article not only discusses the connotation and character of the modernized agriculture but also think that the developments of modernizing agriculture is a intrinsic logic of construction of new countryside on the basis of investigation. In the meantime, the article points out that the basic idea of the establishment about the developments of modernized agriculture, and puts forward some relevant suggestions of policy.

Introduction

The new rural construction as the major strategy of promoting agricultural modernization in our country, has become a hot topic. In the great practice of the construction of new countryside, agricultural modernization in national minority areas has entered a new stage, and thus speeding up the minority areas of agricultural modernization not only is the primary task of new rural construction and goals but also is the basic way to build a new socialist countryside. Therefore, it is necessary for Wuling ethnic region to vigorously develop modern agriculture. So, Wuling minority areas should be to promote the new rural construction based on the modernization of agriculture? This is not only a theoretical problem to be solved but also a real practical problems. On the basis of the investigation by the rational analysis, this paper argues that "the implementation of modern agriculture is not only the basic goal of the new rural construction of the Wuling region rural but also the key internal logic and the main line of its social and economic sustainable development".

The Recognition of Modern Agriculture

Modern agriculture is a agricultural operation pattern by the advance of social modernization based on scientific and technological progress, which is a concept corresponding with traditional agriculture, and thus it is a result of gradually osmosis of modern agricultural science and technology in the field of agriculture.

The Connotation of Modern Agriculture

To understand the modern agriculture, the first thing is clear and correct understanding of what is modernization, and thus it is the precondition of effective grasp modern agriculture. So-called modernization, its basic meaning is refers to a process of country's social, economic, political and cultural transformation from traditional society to modern society. The formation of modern consciousness and personality of modernity is a national fundamental symbol of modernisation. Based on this understanding, agricultural modernization may be defined as “a social forms of rural production pattern, organization form and social way of life a comprehensive form and rapid social change, which is based on modern agricultural science and technology widely used in the field of agriculture, and it is a traditional agriculture and modern agricultural factors blend with a dynamic evolution process. Thus, a new type of farmers with modernity is the essential requirement of agricultural modernization realization and key. Therefore, as a level of modernization, modern
agriculture, based on the modern agricultural science and technology widely infiltration, the
intervention of modern industrial sector, the establishment of the agricultural service system of
modern production factors investment and market mechanism of guidance, is technicalization,
socialization and marketization of the agricultural economic production mode and organization mode,
and thus through “the comprehensive capability of agricultural production and productivity
increased significantly, and so as to make agriculture into a agricultural social form of
technicalization, intensification and persistence”. So, the main content of the modern agriculture
should include "use of modern agricultural science and technology to transform traditional
agriculture, equipment agriculture with modern industry, agriculture management mode of
modernization, and improve the agricultural social service system", etc.

The Basic Characteristics of Modern Agriculture

At present, the academic understanding of agricultural development stage, to say, which is based on
the difference of its classification standards adopted by the "different people have different views", if
the level of agricultural production as the basis for agricultural development can be divided into
"primitive agriculture, the ancient agriculture and agro-modernization and modern agriculture four
phases"; If the Angle of agricultural policy orientation can, the agricultural development is can be
divided into "in order to increase the production and the development of the market food supply for
the characteristics, characterized by rural poverty problem to solve the development and the
development is characterized by adjusting and optimizing the structure of “.

From the angles of history and the reality of agricultural development, agricultural development
stage division should reflect the situation of the development of agricultural science and technology
and development agricultural productivity”, and so the agricultural development stage of the science
division “should reflect the status of agricultural productivity in different periods, and also should
reflect the configuration of each element of productive forces, and come up from production mode to
grasp; at the same time, the evolution of agriculture and other industries should also be considered
influence each other in its development”, in order to highlight the stage characteristics of
agricultural development. Based on this understanding, according to the application of agricultural
science and technology knowledge in agriculture and their contribution to the agricultural economic
growth, agriculture may be divided the agricultural development into primitive agriculture,
traditional agriculture and modern agriculture three stages.

Thus it can be seen, modern agriculture is a agriculture of guidance by agricultural science and
technology and the market, which is formed since the industrial revolution, and it is edging towards
agriculture of science and technology, commercialization, organization and socialization;

It requires that the farmers to, which is based on modern agriculture and modern agricultural
science and technology knowledge and knowledge management, adhering to the "big agriculture
(123 industry coexist fusion)" of the modern concept, and gradually achieve "specialization,
intensification of agricultural production and operation activities, size range, organized,
market-oriented", so as to improve the agricultural comprehensive production capacity. Then, what is
the feature of the modernization "big agriculture"? Based on the analysis of predecessors' point of
view and rational, its basic characteristics mainly embodied in the following aspects: ① the
technicalization of agricultural production, that is to say that the application of advanced agricultural
science and technology knowledge is inner key to the development of modern agriculture, and the
improvement of cultural quality of the farmers' science and technology is the fundamental guarantee
of realizing of ethnic minority areas rural economic modernization; ② marketizing, here mainly
refers to the agricultural production to the market as the guidance to achieve the commercialization of
agricultural products (including processed products); ③ the specialization and organization of
agricultural production, here mainly refers to the specialized production of agricultural development
based on agricultural products (mainly the operation of one or more of the following professional
processing of agricultural products, agricultural products and services, etc.) and the organizational
degree of agricultural production activities(the organization of agricultural production process itself,
agricultural economic cooperation organization, etc.), and so as to improve to achieve the
"NongGongMao fusion" development of the agricultural production; ④ Socialization, here basically has two basic meanings—one refers to the socialization of production and organization based on the whole society needs; The second refers to the socialization of agricultural services; ⑤ Information; ⑥ ecologicalization, it mainly refers to the modern agricultural development should attach great importance to the coordinated development of agricultural economy and ecological environment, and its specific practices are ecological agriculture patterns of "combination of planting and breeding, mutual promotion of farming and animal husbandry, biological symbiosis complementary, land combined with ground" [5], which is the new concept and the basic trend of modern agricultural development, in order to realize the sustainable development of agriculture.

The Path Choice of Modern Agriculture in Wuling Minority Areas

Vigorously Develop Rural Education, Cultivating the Modern New Type Farmer
Practice proved that the effective development of modern agriculture depends on the main body of agriculture—farmers with modern consciousness, in other words, farmer's cultural quality of the agricultural science and technology is the inner core and key in the realization of agricultural modernization. If farmer has not only a high culture quality of science and technology but also the sense of modern agriculture(such as commodity consciousness and management consciousness, competitive consciousness, etc.), so, the farmer will not only be better to guide their own agricultural production activity but also understand how to develop the rural economy to promote the new rural construction. Therefore, the rural education should be really implemented (basic education, vocational education, adult education and cadre education, etc.), in order to improve the agricultural science and technology culture quality of villagers, and cultivating new-type farmers with modern agriculture consciousness, this is the premise and key of realization of agricultural modernization in the ethnic minority areas. This shows that the key of the rural education is to cultivate the modernity of farmers with enthusiasm, initiative and creativity (understand technology, good management, will manage, informed market), and it is only to realize the modernization of farmers, so the agriculture and its other aspects of rural modernization will be implemented step by step.

Improve Agricultural Infrastructure and Its Comprehensive Production Capacity
The most obvious sign of rural modernization is rural infrastructure modernization, so, agricultural comprehensive production capacity is the basic symbol of the levels of agricultural modernization. So, ethnic minority areas should not only through the improvement of the rural infrastructure to improve farmers' conditions of production and living but also to strengthen the construction of the rural market and agricultural socialized service system, and thus in order to improve the agricultural comprehensive production capacity of the minority nationality region.

Developing Agricultural Technology Industry, Optimizing Agricultural Region Distribution
The effective development of agricultural science and technology industry is very necessary for Wuling national regions, based on its resources and climate characteristics, and so taking the path of development scale, scope and specialization, and thus gradually realize the optimization of layout of regional economy. First of all, according to the regional and dispersion of agricultural production, the development of agricultural science and technology is to set up a coordinated operation of agricultural science and technology and popularization system. Second, modern agricultural science and technology industry should be able to directly provide effective agricultural means of production, technology products and corresponding services, and so on.

Optimizing the Industrial Structure, Building the Rural Modern Industry System
The transformation of traditional agriculture mainly refers to adjusting or improving rural planting structure, proportion and variety or the production process by utilization of modern agricultural science and technology knowledge and means, and so as to not only optimize the agricultural structure but also gradually form a more reasonable modern rural industry system (see chart 1) with
"123" industrial convergence, of course, this is the radical goals and objectives of the ethnic minority areas to realize its agricultural modernization.

Table 1. Wuling minority areas rural economy industrial structure.

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<tr>
<th>Industry Type</th>
<th>First Industry</th>
<th>Second Industry</th>
<th>Third Industry</th>
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<td>Farming</td>
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<td>Animal husbandry</td>
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Innovation Market Idea, Building Modern Market System of Agricultural Products

Practice shows that: in order to realize agricultural modernization, which is relatively complete and adapt to social and economic development in national regions, the mature market system of the modernity of agricultural products is very necessary for national regions. Wuling national regions, therefore, in order to realize agricultural modernization must give full play to the basic guiding role of the market, and thus building a modern agricultural product market system (substantive farmer's market, a virtual online market, etc.) based on “the circulation of people, logistics, capital, information” and market services. At the same time, the pattern of "big market, big circulation" has been formed by utilizing "mode of operation and diversification of circulation way, hierarchical, modernization", and so as to promote the sustainable development of ethnic social economy.

The Conclusion and Policy Meaning

The Basic Conclusion

Above all, effective development of modern agriculture is “not only the inherent logic of social and economic development in Wuling national regions but also the key of changing the backwardness in the countryside, rural prosperity, prompting the farmers out of poverty to become rich”. Therefore, the effective development of rural economy in Wuling national regions and the governance of the "three rural issues" can not do without the modernization of agriculture, and thus the modern agriculture of "123 industrial convergence", which is based on the wide application of modern agricultural science and technology, is the future development direction of the Wuling minority areas rural society and economy.

The Policy Implications

(1) give full play role of the government's guidance and macro-control;
(2) correctly handle the relationship between economic development and ecological construction, in order to realize the benign collaborative interactive development;
(3) improve the rural social security system, so as to achieve the hierarchical and diversifical social security system step by step through "social relief, endowment insurance, social welfare, social mutual aid and health care cooperation”;
(4) accurately grasp the relationship between modern agriculture and new rural construction, and thus in order to realize the harmony, healthy and stable development of rural society, economy and nature in Wuling national regions.

Acknowledgement

The support of the Dr Research foundation(Hubei Institute for Nationalities) under the Projects Program and Natural Science Foundation of China, Award Number MY2012B018 and 71463014, is gratefully acknowledged.
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