

# Study on Economical and Intensive Utilization of Land in the First Division Corps of Xinjiang

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**Abstract.** Land is one of the most important natural resources in the First Division of Xinjiang Corps, the level of economical and intensive utilization of land relates to its sustainable development of social and economy. The current and future is a key period for the First Division Corps to ascertain “Silk Road Economic Belt” and “mass entrepreneurship and innovation” strategies. With the further promote of industrialization and urbanization construction, the demand for land continues to increase, presents an explosive growth, and the phenomenon of occupying arable land is inevitable which highlight the depends of economic and social developing on land. Under this unbalance situation between supply and demand, we should further uphold the flag of economical and intensive use land, enhance the effort in reform and innovation, combining all the positive energy to realize effective utilization of land and providing land resources and supply for the construction of a beautiful Alar. Thanks to the fine traditions of cherish land, economical and intensive utilization of land formed in the land reclamation period and meticulous and rigorous land protection policy, the 11 groups of the First Division Corps as a representative becoming the only Corps gained the Second Economical and Intensive Utilization of Land and Resources Model County in 2013, the First Division becoming a successful paragon. Meanwhile, in the aspect of land utilization, we also see the existence of some features like agriculture land occupies a large proportion, low ratio of construction land and obvious spatial distributions of land use and several problems include the fast decrease of present arable land, inadequate cropland resources, large proportion of saline-alkali land and sandy land, extensive utilization in rural residential and others. The First Division is in a critical period of accelerating industrialization, urbanization and modernization of agriculture, only by economical and intensive use of land, can they improving the supporting capability of land resources in the process of comprehensively promote the political construction, economy construction, cultural construction, social construction and ecological civilization building.

## Introduction of the First Division Corps

The First Division of Xinjiang Corps start from the south foot of the Tianshan Mountains in the Northern part, stretched to the edge of the Taklimakan Desert in Southern part within the geographical coordinates of 79°22'33"E-81°53'45"E longitude, 40°20'N-41°47'18"N latitude, a distance of 281 km in east-west and 180 km in north-south. In the end of 2014, the total land area of Alar city is 693112 hectares, with a total population of 31.01 million in entire division.

## The significance of economical and intensive utilization of land in the First Division

The Report to the 18<sup>th</sup> National Congress of The Communist Party of China pointed out that we should saving and intensive using resources, promoting the shift of utilization methods fundamentally, strengthen the whole process management, significantly reduce energy, water and land consumption, increasing the utilization efficiency and effectiveness. In 2014, after issued the “Regulations on Economical and Intensive Utilization of Land”, the Ministry of Land introduced the “Ministry of Land Department’s Guidance Opinion on Promoting Economical and Intensive Land Utilization” following, and systematic proposed the guidance opinion, main objectives and major steps under new environments. Therefore, it has an important significance to evaluate the

intensive utilization of land in the First Division, uphold the utilization level of land resources, promoting the economical, intensive, efficient and sustainable utilization of land resources. The utilization of land in China exists two main issues, namely extensive and waste, and in academic field, the economical and intensive land utilization has been a heat topic in recent years. The Ministry of Land has carrying out promotional activities in national “Land Day” from 2013-2015 three consecutive years with the theme of “Economical and Intensive Utilization of Land”. The topic in the annual conference hold by China Land Science Society is “Scientific Concepts in Development and Economical, Intensive Utilization of Land Resource”. Research on the economical and intensive utilization of land resource not only is an important way to implement the national basic policies, but also an indispensable basis to construct a scientific and rational land management decision system.

**By analyzing the domestic and international experience, to improving land economical and intensive utilization potentials, the First Division can take following measures.**

**First, accelerate to build a long-term mechanism to strengthen the agriculture infrastructure.** Due to located in drought areas, strengthen its agriculture foundation is urgent task for the First Division to to enhance the construction of infrastructure which focusing on water conservancy, effectively increase investment and accelerate the pace of construction, improving agricultural production capacity, changing its long-term insufficient of infrastructure condition as soon as possible. Strengthen the protection of arable land and improving the soil quality. For each company, they should strictly enforce the master plan of land utilization and the annual plan, fully implement system responsibility of farmland protection, gradually establish and constantly improve the investigation punishment mechanism for land illegal cases, to effectively control the behavior of arable land and woodlands occupied by construct. Increase the fund investment in the First Division village, focus on the supporting of its arrangement of foundation farmland, efforts in reclamation the arable land destroyed by disaster and the construction of land’s quality. Continues to increase capital investment in agriculture, strengthen the efforts on transferring the mid-low quality farmland. Accelerate the pace of implement of fertile land program, and constantly expand the scale of soil testing and fertilization. Supporting farmers to strew returning to field, planting green manure, using organic fertilizer and reduce chemical fertilizer. Accelerate the implement of dry farming demonstration project, continue to build a number of water-saving demonstration effect area. The First Division Corp is in a new stage of economic and social development and its major income resources is agriculture and its function became more obvious, and its fundamental role is quite important, therefore, we must be more consciously to strengthen its function, continues to increase the efforts on carrying out the benefiting-farmer policies, effectively increase the investment in “countryside, agriculture and farmer” problems based on the requirements of balancing the urban and rural development, consolidate, improve and strengthen the policy to benefiting farmers. Basing on the sound and effective mechanism which meets the overall situation, long-term perspective and gradual increase request of the First Division, adhere to national subsidy system and constantly increase the force on supporting agriculture. Continue to increase the direct subsidies to farmers, increase the direct subsidies to grain like cotton, farm machinery purchase subsidy and comprehensive agricultural direct subsidies. Expand the scope of seed subsidies. Increase farm machinery purchase subsidy and other types of equipment, improve the standard of subsidy types, expanding the farm machinery subsidy to all agricultural companies, transferring their infrastructure construction and social development to rural areas.

**Second, tap urban low-effect land, organize the company residential potential, control the scale of urban land, reasonable defined an effective boundaries for urban constructions.** The land utilization in the First Division rural residential has two features. First, the high per capita land targets with too large areas and existing some idle land, resulting low land utilization. Second, after part company workers turned into urban populations, they still remain all the original homestead, thus appearing some phenomenon like one family hold several residences, vacant houses and others. Therefore, the potential land has two resources. First, by adjusting the internal structure of land

utilization, reducing the level of per capita land, improve overall volume ratio and free some portion of land. Second, in the process of urbanization, a large number of rural population move toward city and leaving many idle residential land that being centralized and arranged is another resource of land.

**Third, enhance the overall control on land utilization, implement responsibility system of protecting arable land and economical and intensive utilization.** Strengthen the overall controlling forces of land utilization planning, enhance its convergence with government-related documents which relating to various types of land usage, ensure the determined construction area meet the overall planning arrangement and annual land utilization must be controlled within the annual plan. Each company should clear their responsibility of protecting arable land and economical and intensive utilization. The main in-charge of each government level must take all the responsibility on land management and arable land protection within the First Division, and considering the actual number of protected arable land, basic farmland protection area, the corresponding arable land supplemented and the execute of overall and annual land utilization planning and the condition of economical and intensive land utilization as one of the main content in its performance evaluation.

**Forth, support and guiding the public and reasonable flow of land, actively explore the economical and intensive utilization of rural collective construction land.** Taking the land utilization of combining external expansion and internal tapping its potential, revitalize the stock of land, greatly improving the efficiency of land allocation, achieving the dramatic change from extensive mode to intensive mode. Introducing market mechanism into the construction of rural collective construction land, enforce the right of consumption for the use, gradually promote the circulation rate of rural collective construction land within the scope, reflecting the effect of regional differences in land and improve the allocation efficiency of land, realizing economical and intensive utilization in specific practice.

**Fifth, establish leadership shared responsibility mechanism to implement the evaluation system.** Implement the shared responsibility of land law enforcement mechanism is the objective needs of the First Division Corps to realize the institutionalization and standardization in land management and strengthen land management, strictly maintaining the protection of arable land, promoting the economical and intensive utilization of land, safeguard the normal order of land management under new situations. In recent years, land department adhere to the implement the law enforcement work policy “prevention first, combining anti-check”, innovation the territorial management ideas, efforts to promote the multi-channel and multi-level prevention and suppression mechanisms, continues to strengthen the overall functionality of line linkage, bar interactive and bar integrated, actively explore and establish a common responsibility mechanism of multi-sectorial participate, joint management and complementary to each other, doing some useful attempts in handling the troublesome in carry out the land law and its implement and the difficulties in communication.

**Sixth, establish a unified planning mechanism, optimize the structure layout of land utilization.** CPC Central Committee announced it clear that the new rural construction should be planned in advance which is the basic premise. For this reason, according to the new mission field construction goals and requirements “economic development, affluent life, civilization field, well environment”, the First Division should give full play of the land utilization planning and its co-ordination functions, keep the strictly protect arable land as reason, controlling the total amount of construction land as the key, economical and intensive utilization of land as the core to co-ordinate arranging the land use of various measures within the mission field, actively cooperate and complete the arrangement of company residents and the governance of people living environments, define the size and data of small towns and rural settlements to ensure that all villages and towns and the overall land utilization planning being connected thereto, providing a scientific planning basis for strengthening the construction of new mission field.

## Conclusion

The First Division should fully play the market's decisive role in the allocation of resources, further rational use of land, optimize the structure layout of urban and rural construction land, make full use of the stock of land for construction use, in accordance with the principle of industrial clustering, centralized distribution and intensive land usage, prepare for well governance, strengthen confidence and push forward the economical and intensive utilization of land for the reform and development of the First Division and the realize of the great undertaking of settlement and guarding edges in Xinjiang.

## **References**

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