

Problems of Soil Fertilizer and Countermeasures for Sustainable Development of Agriculture in Sergeant

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Abstract

In the development process of China's agriculture, the use of fertilizers more and more frequently, and the ensuing problem of soil pollution is gradually exposed, the quality of the soil plays a decisive role in the production of agriculture, which also determines the necessity of solving the problem of soil fertilizers in China's agriculture in the process of sustainable development. Based on this, from the importance of soil fertilizer in agricultural production, through the analysis of the existing problems in the use of soil fertilizer in the sustainable development of China's agriculture, and put forward the response measures to the problem of soil fertilizer in the sustainable development of agriculture. The analysis of the existing problems of soil fertilizer use in the sustainable development of agriculture in China, and puts forward the countermeasures of soil fertilizer problems in the sustainable development of agriculture.

Keywords

Agriculture; Sustainable Development; Soil Fertilizer; Countermeasures.

1. Introduction

For our country's economic development and comprehensive national strength enhancement, agriculture as a country's survival and development of the fundamentals, plays an important fundamental role in promoting. For agricultural production, soil fertilizer is an important basis for ensuring agricultural productivity and yield, and it plays an important role in the sustainable development of agriculture, and if it is not used properly, it can also cause negative phenomena such as environmental pollution. Through the sustainable development of agriculture in soil fertilizer and response measures to analyze the sustainable development of agriculture in China to provide reference.

2. Soil the Importance of Fertilizer in Agricultural Production

Soil quality is the basis of agricultural production, high quality soil will contain rich organic matter, the growth of cash crops and yield enhancement has an important role in promoting our country in agriculture to achieve high yield core. At the same time, with the occurrence of some damage to land and the occupation of arable land in the process of China's agricultural

development, China's arable land area is gradually decreasing, and the soil quality of the existing arable land is also gradually decreasing, so the full use of soil resources is an important direction for China's agriculture to realize the sustainable development of the work.

Soil conditions are objective, there are differences in soil quality in different areas, so in order to achieve extensive agricultural development, pay attention to the rationalization of the use of fertilizers to enhance the role of soil fertility is very necessary. At the same time, the role of fertilizers is also reflected in the prevention of related pests and diseases, our country in the process of improving agricultural production is deeply affected by pests and diseases, so the use of fertilizers to carry out the scientific control of pests and diseases is essential.

3. China's Sustainable Development of Agriculture in the Use of Soil Fertilizer Existing Problems

3.1. Decline in Soil Fertility of Arable Land

With the continuous development of China's agriculture, some overuse of chemical fertilizers, indiscriminate deforestation and the negative phenomenon of too high a replanting index have gradually occurred, leading to the decline of soil fertility of China's arable land. The soil fertility of China's arable land has been declining year by year. For example, in the northeast of China For example, in the northeast of China, several decades ago, agriculture in the northeast of China was blessed with black land, which made the development of agriculture improved. land, but in recent years, some of the destruction of the In recent years, a number of environmental damage phenomena have occurred frequently, which has led to the northeast region facing the black soil layer thinning and soil fertility declining. Soil layer thinning and soil fertility decline and other phenomena, from the previous The use of organic fertilizers can achieve smooth production of the situation changed to today to rely on pesticides and chemical fertilizers to maintain agricultural production. The situation has changed from one in which organic fertilizers could be used to achieve smooth production to one in which pesticides and chemical fertilizers are relied upon to maintain agricultural production. The northwestern part of China region of China due to extreme weather phenomena in recent years, caused by soil erosion problems are extremely serious. problem is extremely serious, these have led to the current soil quality of China's arable land to present The soil quality of China's arable land is now declining year by year.

3.2. Fertilizer Means Not Standardized

At present, China's agricultural development process, some areas of farmers The use of pesticides and fertilizers still exists irrational phenomenon, in carrying out the The use of pesticides and chemical fertilizers in the process will usually take the yield of cash crops as well as the The prevention and control of pests and diseases is the main focus of fertilization, while neglected the protection of soil quality, resulting in the current Most of the agricultural land in China has excessive pesticide chemical residues in the soil, which is not conducive to the agricultural and is not conducive to the sustainable development of agriculture in China.

4. Countermeasures for Soil Fertilizer Problems in Sustainable Agricultural Development

4.1. Strengthen the Construction of Relevant Laws and Regulations

Improve the basic content of relevant laws and regulations is to ensure the sustainable development of China's agriculture is an important foundation, and in China's sustainable development of agricultural laws and regulations to the "Land Resources Law" is the main. With the development of China's agriculture, "Land Resources Law" of the relevant content is also

gradually improved, but for China's soil pollution and other aspects of the problem of laws and regulations is not perfect, so that the relevant departments of land resources and soil environmental protection work to carry out the implementation of the implementation of the strength of the lower.

First of all, China's relevant government departments should pay attention to the protection of land resources and soil environmental management laws and regulations, pay attention to the legal system in promoting China's sustainable development of agriculture and improve the role played by soil fertilizer problems, the relevant legal system to improve the relevant legal system, so that the relevant departments to carry out the process of soil environmental protection have a law to follow.

Secondly, actively carry out publicity work on land resources protection, strictly implement the soil environmental protection and fertilizer use of the relevant legal system, improve the implementation of the law and supervision mechanism, strengthen the supervision of agricultural land, and deepen the understanding of relevant workers on the national policy and legal system, and make clear the penalties for related violations, to fundamentally reduce the occurrence of illegal land use and damage to the soil environment and other illegal phenomena. The relevant departments should pay attention to the farmers' concerns about the soil environment and the need to protect the soil.

Finally, relevant departments should pay attention to the use of fertilizers by farmers. In the use of fertilizer type, should advocate the use of organic fertilizer as the main, so as to fundamentally protect the organic content of the soil, the soil was damaged to a minimum, to help the soil to enhance their own fertility, and reduce pesticides, chemical fertilizers to the soil pollution, thus fundamentally protect the soil environment of China's agricultural land, and effectively promote China's sustainable development of agriculture.

4.2. Actively Carry Out Innovative Research and Development of Organic Fertilizers

On the basis of sustainable agricultural development, to solve the soil fertilizer problem focuses on fundamentally reducing the degree of damage to the agricultural land soil fertilizer. Currently used in China's organic fertilizer, although it can to a certain extent to ensure the enhancement of soil fertility and play a role in protecting the soil, but the production cost of organic fertilizer on the market is higher, and organic fertilizer types are fewer, the lack of targeted prevention and control of common agricultural pests and diseases, so organic fertilizer research and development work on the innovation of China's sustainable development of agriculture and the solution to the problem of soil fertilizers is crucial.

First of all, the relevant departments should pay attention to the conservation of China's agricultural land, through the conservation of soil to realize the enhancement of soil fertility and reduce the purpose of soil pollution, essentially improve the quality of agricultural land. For example, the market common phosphate fertilizer and potash, both to a certain extent can be very good to ensure that the content of organic matter in the soil, so that the soil fertility within the agricultural land to obtain effective enhancement, but also includes some antibiotic type of organic fertilizer, common economic crops in our country has an excellent effect on the prevention of pests and diseases. At the same time, actively coordinating agricultural producers and local animal husbandry to cooperate, enhance the utilization of agricultural production operations on the excreta produced in the process of poultry farming, according to the specific conditions and needs of the local soil, to low-cost way of agricultural land conservation work.

Secondly, the relevant research departments should increase research efforts, pay attention to the innovation and improvement of soil fertilizers for agricultural land in China, according to the geographic elements and climatic characteristics of different regions of China, to develop organic fertilizers suitable for regional agricultural development, to enhance the efficacy of

organic fertilizers as well as the role of soil protection. Due to China's organic fertilizer development work is not mature enough, resulting in the high cost of research and development, resulting in the current price of organic fertilizers on the market in China, many farmers are discouraged, the choice of organic fertilizers less, therefore, the government and relevant departments should actively develop agricultural production for farmers to help policy, the full implementation of the relevant subsidy policy formulated by the state and actively encourage farmers to enhance the degree of organic fertilizer use, so as to essentially implement the organic fertilizers. The use of degree, so as to essentially implement the protection of the soil environment of agricultural land, and to a certain extent to reduce the burden of farmers to carry out the process of agricultural production, and then effectively improve the local agricultural land soil fertilizer problems.

4.3. Emphasize the Improvement of Fertilizer Application Methods

In the process of agricultural production, the soil quality of agricultural land is the most important factor in ensuring the success of agricultural production. quality is an important basis for guaranteeing the smooth progress of agricultural production and subsequent production. It is an important foundation to ensure the smooth progress of agricultural production and subsequent production work.

First of all, with the rapid development of our country's science and technology level, our country's science and technology means in the process of agricultural production has also realized a wide range of applications, which in the measurement of soil quality technology is particularly prominent. Therefore, the relevant departments should actively use science and technology and other means, through the application of relevant scientific measuring instruments to detect the soil quality of agricultural land, and derive the relevant data as a data base for the development of agricultural fertilizer program. In accordance with the detected data for fertilizer use type and the use of specific planning, and in the use of the process should take into account the degree of pollution of the soil fertilizer, in accordance with the relevant provisions of the relevant departments to carry out reasonable control.

Secondly, the relevant workers should fundamentally improve the use of pesticides and fertilizers to avoid the use of pesticides and fertilizers in the process of agricultural production waste, the relevant agricultural management departments should be appropriate to carry out the relevant knowledge of the local farmers' training, so that local farmers can understand the region in the process of agricultural production of pesticides and fertilizers in the scientific use of pesticides and fertilizers as well as the use of the amount of the relevant theories in a timely manner to carry out adequate Publicity, essentially improve the local agricultural production process, due to pesticides, chemical fertilizers used irrationally caused by soil pollution phenomenon, so as to fundamentally. To promote the sustainable development of agriculture and soil pesticides, fertilizers and effective solutions to the problem.

Finally, the agricultural sector can actively promote the relevant modern equipment, improve the production and management mode of agriculture, and actively use science and technology and other means to carry out scientific production work. to improve the scientific standardization of agricultural production work, in effective soil environmental protection work in agricultural land, and at the same time, improve the farmers' economic income.

5. Conclusion

In summary, timely and effective response to soil fertilizer problems and take measures is crucial to the sustainable development of agriculture. After analyzing that, in the process of solving the soil fertilizer problem, we should pay attention to strengthening the construction of relevant laws and regulations, actively carry out the research and development of organic

fertilizer innovation and construction of laws and regulations, actively carry out innovative research and development of organic fertilizers and We should pay attention to the improvement of fertilizer application methods.

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