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Current Problems and Optimizing Scheme in the Development of Aquaculture Industry in China

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Abstract: Related research shows that, as one of the important basic industries in China, the development of aquaculture industry has good promotion value for the reasonable satisfaction of aquatic product supply demand in China, which is conducive to the further enrichment of the types of food materials for the people's table. For our people's diet structure scientific adjustment has positive promotion significance. In recent years, a large number of research on your heat source have carried out a more detailed analysis of the related problems in the process of aquaculture industry in China, and put forward the corresponding optimization scheme in order to effectively realize the benign development of aquaculture industry. In this paper, the researchers their own experience and the development of aquaculture industry, the researchers put forward the corresponding optimization scheme, hoping to provide a strong guarantee for the overall development of aquaculture in China.

Keywords: aquatic product; Farming; principal problem; Optimizing Scheme

Since entering the 21st century, the living standard of our people is constantly improving, the demand and intake of food are more diversified, and aquatic products are beginning to be sought after by more and more people. This also for the development of aquaculture industry in China put forward higher requirements. With the development of the times, the proportion of the gross domestic product of aquatic products industry in China's agricultural GDP is increasing year by year. As an extremely important consumer meat product, aquatic products have become one of the essential foods on the table of our people. At the same time, our country is also a large country of aquatic products export, which has brought great economic benefits to our country. Therefore, the aquaculture industry has played a vital role in the development of our agricultural economy. However, in the aquaculture industry, there are still some problems, which have formed some adverse effects on its stable development. Therefore, we should carry on the thorough research to the current aquaculture industry, find out the deficiency, and put forward the effective optimization plan.

1. Development of aquaculture industry in China at present

1.1 Proportion and yield of aquaculture products increasing year by year

In the past, the aquatic products of our country mainly came from fishing, the proportion of artificial culture was small, and the yield was not satisfactory. Since the reform and opening up, in order to meet people's demand for aquatic products, the state has begun to vigorously develop the aquaculture industry, so that the aquaculture industry has been greatly developed. Since 1993, the production of aquatic products in China has officially exceeded the fishing yield, and the proportion of artificial aquaculture is still increasing, which has become an important form of production of aquatic products in China. The positive development of aquaculture industry has made our country get rid of the production

form of “mainly by capture “, thus successfully entering the direction of” mainly by raising “.

1.2 Aquaculture is rich and varied

Generally speaking, aquaculture industry can be divided into coarse, fine and high-density fine and other ways. Among them, crude cultivation refers to the release of aquatic seedlings in some natural waters, completely relying on natural food for aquatic products feeding, such as Qianhai shellfish and reservoirs, lake fish farming and so on. Finishing refers to farming by fertilizing and feeding in smaller waters, such as cage fish farming, pond fish farming and fencing. High precision finishing refers to the use of a series of high-tech aquatic products to control temperature, oxygen, water and feed high-quality food and other forms, in a small range of higher density aquaculture, so as to obtain higher production, such as industrial aquaculture and so on. Among these rich and diverse forms of aquaculture, pond culture has the largest application range, and its output accounts for about 70% of the total aquaculture.

1.3 China’s superior geographical environment and resource types provide convenience for aquaculture industry

The coastline of our country is long and narrow, and the Yangtze River Basin also has a unique water environment, which also provides considerable convenience for the aquaculture industry. Aquaculture of aquatic products can be divided into freshwater culture and mariculture, in which the areas of freshwater culture are mainly distributed in South China, the middle and lower reaches of the Yangtze River and the southwest of China, and the output of Hubei, Jiangsu, Guangdong and Jiangxi provinces is the majority. The area of mariculture is mainly distributed in the southeast coast of China, Bohai Sea, Huang Hai and other areas, and the output of Shandong, Guangdong, Fujian, Liaoning and other provinces is the majority.

1.4 Diversification of aquatic products

At present, in the aquaculture industry of aquatic products in China, the species of aquaculture are very diverse, mainly fish, shellfish, crustaceans, algae and other species. Among them, the proportion of fish culture is the largest, followed by shellfish, and the proportion of algae and crustaceans is relatively small. In addition, each region has also developed its own characteristic breeding species according to the local actual situation. For example, prawns, easterly snails and grouper in Hainan Province, Heilongjiang Province produced big white fish, Sturgeon and so on, have been well received by people, some varieties even exported to foreign countries.

2. Problems existing in the development of aquaculture industry in China

2.1 Poor level of aquatic science and technology, lack of innovation capacity

The poor level of science and technology is a major problem in the aquaculture industry in China, especially the genetic improvement rate of aquatic products and the coverage rate of original species, which still has great potential and space for improvement. In addition, the innovation ability of aquaculture industry in China is far from enough. The main reasons are lack of innovative technical talents, lack of original technology, less investment of fishery science and technology enterprises, lack of advanced research results, etc. These factors will restrict the innovation ability of aquaculture industry in China and hinder the development of the industry.

2.2 Highly vulnerable to natural disasters and diseases

According to the research results, in recent years, natural disasters such as earthquake, drought, flood, typhoon, cold wave and other natural disasters have caused huge economic losses the aquaculture industry of our country, among which, the losses caused by drought are the most serious, and the bad effects caused by flood and typhoon are also paid attention to. In addition, disease is also an important factor to be paid attention to. Once the disease occurs in the

process of aquaculture, it is easy to cause diffusion, which greatly increases the probability of death of aquatic products, and its consequences are unthinkable. A large number of data show that typhoon is a relatively large threat to aquatic products breeding industry in coastal areas of China every year, which can lead to a decrease of about 20% in output and economic benefits.

2.3 The pollution of water resources has a certain impact on the quality of aquatic products, and the supervision is insufficient

Nowadays, the pollution of water resources in China is very serious, which greatly threatens the stable development and economic benefits of aquaculture industry. Generally speaking, pollution sources mainly come from coastal and river ship transportation, industrial sewage discharge, urban and rural domestic sewage discharge, etc. In addition, some organic pollutants rich in phosphorus and nitrogen will also have a very serious impact on water resources, thus reducing the quality of aquatic products. In addition, China's current supervision of aquatic product quality is also seriously inadequate, in the system is not perfect, law enforcement of aquaculture personnel is lighter, and the ability to detect aquatic product quality is relatively low. Once contaminated aquatic products enter the market, consumer food safety will pose a certain threat.

3. Optimal scheme for problems in aquaculture industry

3.1 Improving the Scientific and Technological Level of Aquatic Products and Cultivating Scientific and Technological Innovators

In order to effectively promote the positive development of aquaculture industry in China and strengthen the construction of aquaculture industry in China, the state should increase its financial support to the industry and improve the technical level of aquaculture science and technology. For aquaculture farmers, we should fully mobilize their enthusiasm to put into work, provide strong credit support, and promote the stable development of aquaculture industry. In addition, the state and fishery science and technology enterprises should increase capital investment, train aquaculture technical personnel, and strive to study scientific and technological innovation, focusing on disease prevention and control, variety cultivation, quality and safety, food nutrition and resource maintenance and other important aspects of technical research, and widely used in aquaculture. The practice shows that through the reasonable construction of the relevant talents, the aquaculture enterprises can further solve the potential problems in the production process in time, and have positive promotion value for the benign development of the aquaculture industry in China.

3.2 Strengthening the prevention of natural disasters and the prevention of aquatic products

In order to improve the ability of aquaculture farmers to defend against natural disasters, meteorological departments and marine departments should cooperate and coordinate closely on disaster prevention and mitigation in aquaculture industry, and form a set of perfect and effective early warning mechanism. For the coming natural disasters, the relevant departments should carry out timely early warning and forecast to provide sufficient preparation time for aquaculture farmers and minimize their losses. In addition, for aquaculture farmers, we should strengthen the safety of production skills training, improve the ability of disaster prevention and mitigation. For aquatic product disease, once found, timely treatment should be carried out to avoid the further spread of the disease, endangering the economic interests of aquaculture farmers.

3.3 Strengthen the quality control of aquatic products and control water pollution

In order to effectively ensure that the quality of aquatic products flowing into the market is up to standard and reliable, and to provide a strong guarantee for the food safety of consumers, relevant departments should strengthen the quality supervision of aquatic products and constantly improve the production safety system of aquatic products.

In addition, in order to avoid the pollution of aquatic products, relevant personnel should strictly supervise and control control the coastal and upper waters, strictly prohibit the private discharge of industrial wastewater, and effectively treat the domestic sewage in urban and rural areas. In order to effectively avoid aquaculture waters are polluted.

Conclusion:

In recent years, under the promotion of economic development, the quality of life of the people has been significantly improved and optimized. Based on this, its diet structure has also changed accordingly, and then promoted the vigorous development of aquaculture industry in China. In response to this problem, researchers said that from an economic point of view, the aquaculture industry has played a great role in promoting the economic development of our country. Relevant departments should attach great importance to the stable development of aquaculture industry. In view of the problems existing in the aquaculture industry, we should scientifically and effectively optimize and improve the infrastructure and aquaculture technology, and strengthen the inspection and management of aquatic product quality. In order to further improve the income of aquaculture, while meeting the needs of people to actively promote the development of aquaculture industry.

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