Journal of Computational Science & Engineering
Available at http://www.asocse.org ISSN 1710-4068 57(2022) 49-52

Problems and Suggestions in Quality and Safety Inspection of Agricultural and Livestock Products

Cuiping Li[1], Haibo Chen[2], Na Lin[3]
[1]Binzhou Polytechnic, Binzhou, Shandong 256600, China
[2]Binzhou Polytechnic, Binzhou, Shandong 256600, China
[3]Binzhou Polytechnic, Binzhou, Shandong 256600, China

Abstract: With the rapid development of China's market economy and the improvement of people's living standards, the proportion of agricultural and livestock products in the commodity structure of the farmers' market is increasing, and people pay more and more attention to the quality and safety of agricultural and livestock products. Quality and safety testing is an important work to ensure the quality of agricultural and livestock products, The effectiveness of its work has an important impact on the stability of the market and people's life. Here, the problems existing in the quality and safety inspection of agricultural and livestock products are briefly analyzed, and the Strengthening Countermeasures of the quality and safety inspection of agricultural and livestock products are briefly discussed.

Keywords: agricultural and livestock products; Quality and safety inspection; proposal

*Corresponding author. Email: licuipingwq@163.com

Received 03 August 2022, Revised 15 August 2022, Accepted 22 August 2022

1.Introduction

As an important pillar industry in China, agriculture and breeding industry play an extremely important role in promoting social and economic development. However, in order to obtain more economic benefits, some farmers, herdsmen and operators often take unreasonable measures such as the use of chemicals and chemical fertilizers, which makes the quality and safety of agricultural and livestock products more prominent, It not only has a great impact on people's daily life and market operation, but also restricts the healthy development of the production and management industry of agricultural and livestock products, which needs to be managed by strengthening the quality inspection and supervision of agricultural and livestock products.Problems in quality and safety inspection of agricultural and livestock products

1.1 The quality and safety supervision system needs to be strengthened

The lack of quality and safety inspection and supervision system construction is one of the important factors affecting the effectiveness of quality and safety inspection of agricultural and livestock products. Its problems are mainly reflected in the following aspects: first, the division of functions and responsibilities of relevant departments of quality and safety inspection. According to the requirements of relevant laws and regulations, The quality and safety supervision of agricultural and livestock products is mainly in the charge of quality supervision and food and drug supervision and administration departments, and the development of testing and supervision also needs the coordination and cooperation of relevant departments. However, the phenomena of overlapping functions and unclear scope of responsibilities among relevant departments can easily have a certain impact on the orderly development of quality and safety

supervision of agricultural and livestock products,

Secondly, the deficiencies in the quality and safety inspection and supervision of agricultural and livestock products are mainly reflected in the tight and loose daily supervision of the quality and safety of agricultural and livestock products in some areas, especially in some remote areas such as villages and towns, which is more prominent. In addition, the operators of agricultural inputs in some areas generally have the advantages of small operation scale The characteristics of large quantity and scattered distribution virtually increase the difficulty of supervision, which makes it difficult to find some behaviors such as the use of illegal drugs and drug abuse during the drug withdrawal period.

1.2 The level of quality and safety inspection and supervision needs to be improved

There are major deficiencies in the quality and safety inspection and supervision of agricultural and livestock products in some areas. The reasons mainly include the following aspects: first, many places

2022@ The American Computational Science Society. All rights reserved.

Due to the short development time of quality and safety inspection of agricultural and livestock products in the District, although corresponding instruments and equipment are equipped and corresponding inspection standards and technical requirements are formulated, the quality and safety inspection work is easily affected by external factors, which has a great impact on the accuracy of quality and safety inspection results of agricultural and livestock products, In addition, there are some deficiencies in the scientific and standardized degree of quality and safety inspection and supervision, which makes it difficult for the quality and safety inspection of agricultural and livestock products to meet the needs of the rapidly developing market. In addition, the quality and safety testing institutions in some areas have only allocated the most basic testing equipment. The quality and safety testing of agricultural and livestock products has great limitations. It is not only difficult to carry out rapid qualitative testing of some harmful components in agricultural and livestock products, but also has great deficiencies in the accuracy of quality and safety testing.

Secondly, farmers and herdsmen in some areas have weak awareness of product quality and safety, and poor understanding and attention to relevant laws and regulations. In addition, affected by factors such as inadequate publicity and popularization, many farmers and herdsmen have less understanding of relevant knowledge such as agricultural and livestock product access standards in the farmers' market, and poor awareness of quality and safety of

agricultural and livestock products, It is also more vulnerable to the influence of bad merchants, resulting in the abuse of drugs and chemical fertilizers in the process of planting and breeding, which will have a great impact on the quality and safety testing and supervision of agricultural and livestock products.

1.3 The production standard system of agricultural and livestock products needs to be improved

The deficiencies in the production standard system of agricultural and livestock products are mainly reflected in the following aspects: first, the production and business model of agricultural and livestock products in many regions are still dominated by small-scale individual merchants, which has a great impact and hindrance on the large-scale and standardized development of local agricultural and livestock products production. At the same time, There are still many omissions in the local standards formulated for agricultural and livestock products in some regions. For example, the formulation of the standards for the residue of harmful substances in some vegetables is incomplete and unclear. In addition, some leading enterprises in the production and operation of agricultural and livestock products do not strictly implement the relevant standards and technical specifications, which will not only make it difficult to ensure the quality of agricultural and livestock products, It is also not conducive to the further development of local agriculture and animal husbandry.

Secondly, affected by the decentralized production and operation mode of agriculture and animal husbandry, the distribution of planting and feeding areas in some areas is too scattered, and the detection and supervision work of relevant local institutions is difficult to cover the whole range, and even the supervision of the production process of farmers and herdsmen is difficult to reach the expected degree, which is easy to lead to the abuse of drugs and drugs in the planting and feeding process of some farmers and herdsmen Chemical fertilizers and feed additives not only improve the difficulty of quality and safety inspection and supervision of agricultural and livestock products, but also have a great impact on the effectiveness of quality and safety supervision. Countermeasures for strengthening the quality and safety inspection of agricultural and livestock products.

2. Background

2.1 Strengthen the treatment of the source of quality and safety problems of agricultural and livestock products

To strengthen the source control of quality and safety problems of agricultural and livestock products, first of all, we should focus on the control of the prone links of quality and safety problems in the production and operation of agricultural and livestock products. For example, we should strictly supervise and stop the sales and use of illegal drugs and additives, and strengthen the supervision of manufacturers and sellers of drugs, chemical fertilizers and feed additives, And formulate a perfect drug and feed sampling inspection mechanism in the agricultural materials market to avoid the circulation and use of illegal drugs to the greatest extent, and reduce the impact of drug and feed problems on the quality and safety of agricultural and livestock products.

Secondly, we should further promote the standardized development of the production and operation of agricultural and livestock products. In addition to promoting the intensive and large-scale development of the production mode of agricultural and livestock products in various regions, we should also give full play to the leading and leading role of leading enterprises in the production and operation of agricultural and livestock products, increase the construction

2022@ The American Computational Science Society. All rights reserved.

of green agricultural and livestock products production bases and resource investment, and further strengthen variety improvement Development of technology research and development and its publicity and promotion.

2.2 Strengthen the publicity of relevant laws and regulations and the quality inspection of agricultural and livestock products

Strengthening the promotion of laws and regulations related to the quality and safety of agricultural and livestock products and quality inspection is one of the effective measures to ensure the quality of agricultural and livestock products and improve the effectiveness of quality and safety inspection. First of all, for the publicity and popularization of laws and regulations related to the quality of agricultural and livestock products, relevant departments can publicize and popularize laws and local policies related to the quality and safety of agricultural

and livestock products to farmers and herdsmen and relevant merchants by carrying out laws and regulations publicity Month activities, printing and distributing leaflets and carrying out relevant professional education activities, Promote the legal awareness and green production concept of farmers and herdsmen and relevant merchants.

Secondly, for the promotion of quality and safety inspection of agricultural and livestock products, relevant departments can make rational use of today's developed multimedia channels. For example, through the form of network platform, billboard and leaflet, they can popularize the work process and importance of quality inspection of agricultural and livestock products for farmers and herdsmen and businesses, and create a good atmosphere of public opinion, Deepen the understanding and attention of farmers and herdsmen and businesses to the quality and safety testing of agricultural and livestock products, so as to lay a good foundation for the normal and orderly development of the quality and safety testing of agricultural and livestock products.

2.3 Strengthen the establishment and improvement of quality and safety supervision system

Further strengthening the establishment and improvement of the quality and safety supervision system of agricultural and livestock products is an important work content to improve the effectiveness of quality and safety inspection. First of all, all regions should reasonably divide the production areas of agricultural and livestock products into different responsibility areas according to the actual situation of local agriculture and animal husbandry, and implement the quality and safety supervision responsibility of each region to the specific responsible person, so as to improve the quality supervision level of agricultural and livestock products and promote the standardization of management

Secondly, in addition to the need to increase the investment in the quality testing of agricultural and livestock products and the construction of quality and safety testing laboratory, so as to ensure the practical development of quality and safety testing, we should also scientifically plan the quality testing plan of agricultural and livestock products according to the actual situation of local agriculture and animal husbandry, so as to ensure that the role of quality and safety testing can be brought into full play.

Third, as an important basis for the quality and safety inspection of agricultural and livestock products, the quality standard system should be highly concerned and valued by relevant departments. The establishment and improvement of the quality standard system requires relevant departments to study and plan the quality standards of agricultural and livestock products and production and processing technology standards according to the actual situation of local

agriculture and animal husbandry, So as to promote the standardized and institutionalized development of the production and operation of agricultural and livestock products.

3. Conclusion

The quality and safety inspection of agricultural and livestock products has always been an important work related to the development of agriculture and animal husbandry and market stability, and should be highly concerned and valued by relevant departments and all sectors of society. In addition to strengthening the establishment of quality and safety inspection and supervision system and the construction of quality and safety inspection institutions in various regions, We should also pay attention to the publicity and popularization of relevant laws and policies, start with strengthening the supervision of all links of the production and operation of agricultural and livestock products, strengthen the investigation and punishment of relevant illegal acts, and further reduce the living space of bad farmers, herdsmen and operators by establishing scientific production standards and market access systems for agricultural and livestock products, So as to improve the effectiveness of quality and safety control of agricultural and livestock products.

2022@ The American Computational Science Society. All rights reserved.

Referceces

[1] Li Chunyan Problems and Countermeasures of quality and safety supervision and inspection of agricultural and livestock products
Discussion [J] Modern agriculture, 2020,(2): 82-84
[2] Fan Congming, Xie Yanping Problems in the quality and safety supervision and inspection system of agricultural products
And countermeasures [J] Rural science and technology, 2019, (31): 46-47
[3] Tang Lixia, Ren Qiang Discussion on quality and safety problems of livestock products and their supervision [J]
Food safety guide, 2018 ,(24): 35-38
[4] Liang Fangyu Problems and suggestions in quality and safety inspection of agricultural products [J] new
Farmer, 2019, (3): 20-25
[5] Green rice wood Problems in quality and safety inspection of agricultural products and Their Countermeasures
Policy inquiry [J] Southern agriculture, 2020, 14 (5): 95-99

2022@ The American Computational Science Society. All rights reserved.