

China sustainable food chain and Public canteens survey project

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sustainable development strategy research

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Study On Food chain and public canteens Sustainable Development Strategy in Lanzhou City

Food chain is from primary production through to consumption. involving the production of food and its accessories. processing. distribution. storage and handling. Public canteens as a traditional service industries. has become an important part of the economic and social development. The project is on the basis of investigations. detailed analysis of the comprehensive study. From the food chain and the importance of the sustainable development of public canteens. the basic problem. cause analysis. and strategic ways to expand the demonstration. aims to play an important role in guiding the building of the food chain and public canteens to achieve sustainable development across the development in Lanzhou city.

I . Importance of the study

The basic objective of development during the "12th Five-Year" in Lanzhou city: Make the city beautiful. powerful. to build the province's development growth and charm of the city around to create livable and Enterprise should travel. The development of the project will help to achieve the aforementioned objectives and requirements. help to promote the concept of sustainable development in all aspects of food production. processing. packaging. transportation. consumer. help to explore sustainable development model of Lanzhou City. the situation of the food chain and public canteens. and it will play a leading role Lead in the food industry Inside and outside the province. Therefore. the study of this subject has a positive and far-reaching significance.

II The situation of food chain and public canteens in Lanzhou city

i The basic characteristics of food chain and public canteens in Lanzhou city

Food production chain has been strengthened from the production processes. By extending the production base of special industries. Start the implementation of the Lanzhou national North dishes south-east plateau of western food in the summer vegetable production bases. Construction of the plateau in summer dishes. lily. rose. melon. red grapes in January. potatoes. the bases of agricultural products and livestock industry. Through the establishment of a sound demonstration base. building Lanzhou modern agricultural demonstration garden project. the new special vegetable demonstration projects to promote and support the development of 10 livestock centers. 100 farming demonstration households. Through

the establishment of the seedling base, and promote reasonable arrangements for cultivation of stubbles. By building a forage production system, increase the straw feed development efforts to speed up the grass seed breeding base construction, building corn straw processing project, herbal products and compound feed processing project, accelerate the establishment of the modern grass products processing demonstration base. Lanzhou, the frankpledge system is quite typical in the basket standardized production, that's ten for an agricultural cooperative organizations, goods, factors of production and other agricultural inputs by the science and technology correspondent in terms of full implementation of the unified guidance, the effect is significant. In 2011, Lanzhou City, the quality of agricultural products passing rate of 97%, one percentage point higher than the national; Lanzhou City Pesticide Residues average pass rate of 98%, 1.6 percentage points higher than the national.

From the processing point of view, the food processing chain has been extended, food safety carry out the traceability system

(1) Extension of agricultural products, livestock products processing chain. Lilies, roses, melons and other characteristics of crop production exceeded 200,000 tons of specialty agricultural products processing industry output value reached 4.5 billion yuan. Deep processing of the vegetables, the development of freeze-dried, drying and other dehydrated vegetables, research and development of vegetable juice, vegetable powder, new vegetables etc. Extend the the lily processing chain, research and development Lily processing of new products, focusing on the direction of the snack food, health products, extend the chain of grain and oil processing, the development of the flour, nutritional powder, and guide enterprises to build instant noodles, beef noodles production line. Some enterprises in Lanzhou such as Zhengda company focusing on livestock and poultry production, distribution supply high-quality hogs, cattle, sheep, chicken and cut meat. In meat processing, to support Gansu four limited liability companies and other enterprises, to carry out the intensive processing of pigs, cattle and sheep, poultry, rabbits and others. Accelerate the Erie two construction projects in the dairy processing, the Shoton dairy expansion and reconstruction projects, expansion of pure milk, yogurt, pasteurized milk, yogurt, milk drinks, the scale of production. To increase support for Yong Deng Bibo Industry Co., Ltd. production base to off-site expansion.

(2) Extend the processing chain of Lanzhou rose. To increase rose oral solution, gifts and new product development, to accelerate the pace of rose production base and the intensive production line projects. reach 0.5

million tons the annual processing rose. 350 million yuan of output value in 2015.

(3) Food safety traceability system system was officially launched. At present, the central government will flow back system construction of Lanzhou City. meat, vegetables arranged 40 million yuan of special funds to support the construction of the trace management platform and circulation node retrospective subsystem. April 30, 2011, Lanzhou City, officially launched the construction of the staple food kitchen "Jiuzhou Distribution Park project. This means, Lanzhou City, the main non-staple food production and processing enterprises in the future will gradually concentrated in the park, centralized processing, uniform distribution of all staple foods, will implement a food safety traceability system. In order to avoid secondary pollution, manufacturers and distribution sectors in the park and the Lanzhou municipal government departments will be in strict accordance with the standards of the national staple food processing and distribution center park construction and renovation of science and technology through a variety of preferred channels to purchase and production of food raw materials all aspects of the finished product into the market strictly, and the production process of the monitoring of environmental pollution, improve food safety traceability system.

3. From the distribution process, the food distribution chain extension. To accelerate the pace of preservation of library building, to enhance the preservation of library operation, summer and autumn turnover capability, improve the storage rate in winter and spring. Also set up a green agricultural products distribution center, Lanzhou Plateau summer vegetables distribution centers, reduce transportation costs. By accelerating the construction of market system, start the second phase of construction of the the Daqingshan agricultural market construction projects, the implementation of the national agricultural product wholesale market construction projects, construction of Yuzhong Dingyuan Red ancient peace, and other agricultural products for export distribution base, relying on large agricultural products distribution and marketing companies construction of the main producing areas and the town is an agricultural product market, the formation of the three network platform of the Lanzhou area of agricultural trade and marketing, market and logistics. The city and other agricultural products as vegetables, fruits, aquatic products, meat, dry goods logistics close to 200 tons, and the transaction volume of 8 billion yuan. By strengthening the quality of packaging and branding, improve and perfect the rich in selenium agricultural products, Yin green vegetables unified packaging design to accelerate the plateau summer vegetable

uniform packaging. grading and packaging. packaging. fine packaging. small label pace. To speed up the construction Yong Deng Xi open distribution chain and other construction projects. to carry out the export city distribution chain. and further expand the sales network.

4. From the storage. food storage to be strengthened. Lanzhou City over 80% of the fresh food is taken at room temperature conservation. circulation. and the beginning of processing. Established in the city of Lanzhou. the grain circulation management system. the establishment of the winter and spring vegetables and reserve system. In October of each year to next March. 80 percent of the vegetable market in the supply of Lanzhou City transferred by the field. In late 2011. Lanzhou City. 7000 tons of winter and spring vegetables and reserve work. reserves including Chinese cabbage. radish. carrots shelf easy flow vegetables. Accordance with the urban population of 2.6 million daily consumption of 1300 tons. a total of five days of consumption of the standard. Reserves of November this year. 1 Day to March 31 the following year. a total of five months. Combined with existing facilities and financial situation of Lanzhou City. select a convenient. efficient and low cost storage facilities. the protection of market supply and stabilize prices of Lanzhou City in winter and spring vegetables. and of great significance.

ii The Lanzhou food chain and public canteens of the classification model Industrial development is divided into two: farming-oriented food chain model. the aquaculture industry-led food chain model. The former. including grain. cotton. oil. sugar. hemp. silk. tobacco. tea. fruit. medicine. and other miscellaneous products. The latter include meat. eggs. milk and other products.

According to food category can be divided into the food chain model of seven kinds: grain legumes. edible oils and fats of the food chain model. the food chain model of fruits and vegetables. meat and meat food chain model. the dairy food chain model. egg food chain model aquatic food chain model of seven kinds.

Food sources can be divided into the food chain model of self-produced food and exotic food food-chain model.

Public canteen operators broad categories. but a smaller scale. 8540. as of the end of 2011. the number of Lanzhou City public canteens. restaurants 5697. fast food restaurants is 131. the snack bar is 1062. the drink shop is 34 there are 318 types of schools at all levels canteen. child care there were 310 juvenile institutions canteens. small dining table 499 farmhouse 235 enterprises and institutions canteen 84. 13 construction site canteen.

the collective meal delivery unit 4. a central kitchen. Operators of various sizes. the small. the food stalls. small restaurants. snack bars. small canteens and other catering units occupy a large market. accounting for 70 percent of all public canteens. roadside mobile food stalls. night markets and other business operators occupy a certain consumer market and the proportion.

iii The Lanzhou food chain sustainability analysis of public canteens

Lanzhou City. the food chain "infinite maintain their ability is fully equipped. The following reasons:

1. the total food supply is expanding steadily. According to survey data show that. as of the end of 2010. Lanzhou City. Trade and Industry Bureau registered professional farmers cooperatives. 430. by industry. farming 268 (75%); 89 animal husbandry and aquaculture. accounting for 21%. A variety of food production scale and the establishment of farmers' professional cooperatives played a positive role in promoting and guarantee the sustainable development of the the Lanzhou food chain.
2. Industrial level steadily improved. Lanzhou City. "the 12th Five-Year Plan clearly pointed out. adhere to a capacity to grasp the characteristics of the secondary industry caught the extension of the tertiary industry is caught in transition. To support the development of the characteristics of agricultural production and deep processing industry. Grasp the five agricultural demonstration base construction. and expand the rich in selenium the plateau characteristics of agricultural planting of summer vegetables scale. new facilities in an area of 6.000 mu. By the end of 2010. farmers' professional cooperatives in Lanzhou City. 430. 4.07 million people in joining a company member. Type of cooperatives technical services. agricultural production to order type. driven by leading enterprise and large rely on the type of government brokered capable farmers spontaneously. Support the growth of the 20 agricultural industrialization leading enterprises. foster a number of agro-processing. transport and sale of large agricultural market rate reached more than 70%. To promote the standardization of the scale of farming. implementation of the livestock breeding industry one hundred ten games of the projects. and enhance the characteristics of farming efficiency and added value.
3. Science and technology. health. weakening of ecological security on the food chain and the negative effect of public canteens
(1) the source of food science and technology security situation brings negative effect

One is food chemical pollution become influence human health "invisible killer. In order to clenbuterol and melamine as example. from 1995 to 2010

of 15 years. Lanzhou city pig gives column head number from 455200 down to 333200 head. pork production decreased from 32900 tons to 24000 tons. Cause of decline is the main factor of clenbuterol. In the same period. arrogant amount of livestock on hand from 27800 head to 48600 head; milk production rose by 40300 tons to 65000 tons. This and Lanzhou all dairy enterprises products do not add melamine relationship. At the same time. the melamine incident also led to the increase in the proportion of sales of milk powder. milk powder of domestic sales decline. Food chemical pollution seriously affect the implementation spans development goal. Two is the veterinary medicine. compound feed of abuse. caused by antibiotics. hormones and other harmful substances in the poultry. livestock and dairy products. aquatic products in the residue. There are heavy metals in agricultural and poultry products exceed the standard. excessive residual contamination.

(2) food processing. production and public canteens science and technology security situation brings negative effect

One is food production and processing enterprises to use inferior materials. such as mortality. poisoned livestock and poultry processing and food; two is the excessive use of food additives. flavor enhancers. such as the excessive use of whitening agent". "benzoyl peroxide" preservative benzoic acid" and sweeteners; three is the illegal use of food processing chemical additives. such as sulfur dioxide. formaldehyde. sodium formaldehyde sulfoxylate; four is the man-made fraud. obtain sudden huge profits. such as drainage oil.

(3) the new food safety brought negative effect of science and technology In Lanzhou. genetically modified food already placed the table of people. but from domestic and international research on genetically modified food. genetically modified this high-tech food to human survival and safety bring great risks. threatening the ecological balance of nature. Genetically modified food raw material is a man-made biological. rather than the species that occur in nature. very likely to destroy the balance of nature. As of now. no government or the United Nations Declaration. genetically modified food is safe. Also such as biological insect technology to kill whether changes in biological original gene structure? New food resources long-term ingestion does to the human body caused by long term harm? Should have a long-term scientific proof.

3. economic dimensions. benefit distribution mechanism has not yet been fully straightened out

Vegetables from production to the table in general to go through a vegetable grower. agent acquisition. transport. wholesale. retail market.

the 6 circulation. layer upon layer circulation is gradually inflated price. The production of Tomato in Yuzhong County. two cultivars of cucumber every link of cost and profit of the investigation as an example. the result showed: every kilograms of manufacturing cost 2.30 yuan. with a profit of 0.60 yuan. total price every kilograms 2.90 yuan. The acquisition cost of wholesale link every kilograms 0.31 yuan. with a profit of 0.29 yuan. increase 0.60 yuan in total. Retail link cost every kilograms 0.34 yuan. with a profit of 0.66 yuan. total price every kilograms 1 yuan. Land acquisition price every kilograms 2.9 yuan. average consumer purchase price every kilograms 4.5 yuan. rise 55%. In whole and current link. farmers in the production processes of the profit rate of only 26.09%. the acquisition of the wholesale segment profit rate is 93.55%. while retail link high profit margins of 191%.

In 4 dimensions. environment. ecological problems still exist in large area Lanzhou city environmental external pollution is reduced. but the agricultural non-point source pollution is more serious. Chemical fertilizer. pesticide is used in great quantities. not only caused soil pollution. but also through farmland runoff increased water organic pollution and eutrophication pollution. and even affect the groundwater and air quality. Farmland use plastic sheeting or film the majority is not degradable. Large-scale livestock and poultry manure produced long-term stacking or discharge to a nearby ditch. blocking the river. pollution of water and air. resulting in the breeding of mosquitoes. In livestock and poultry breeding process of various trace elements additives used in great quantities. also leads to increase the content of harmful and toxic substances in soil. There are some leading enterprises to contract in the "love" of management mode in agricultural environmental degradation. If there is a mechanism to make the interior of exterior effect. so the long-term accumulation of results will be a serious agricultural environmental degradation.

5. the social dimension. most farmer professional cooperatives have not broad enough. independence and representation

(1) a number of leading enterprises is not enough. and the corresponding cooperatives amount slants little. Bibcock enterprise is a typical supply chain management. it can better realize the supply chain each link together and sharing benefits. But in Lanzhou. due to lack of leading enterprises. can not meet the demand of development of modern agriculture.

(2) the cooperative as farmer interest spokesman role fully reflected. The existing cooperation basically is company subsidiaries. more farmer exclusion in cooperatives. farmers in the negotiations and transactions in a disadvantage position did not change. bibcock enterprise and farmer is remained between the contract and the one-way benefit relations.

cooperative services hard by previous sales. sales of extension to sales. This is a form of food chain management in sustainable development important factors.

(3) interest allocation mechanism is not sound. does not reflect the "democratic. civilian canal. civilian be benefited" principle. The cooperatives in the two distribution of profits and returns no more. mostly of the operation of the company. Some professional cooperatives in the start-up period. due to lack of funds. by several major contributive initiate. by the industrial and commercial registration. the remaining equity even distribution cooperatives to become again. without economic strength "empty shell". Members enjoy according to agricultural product sales distribution. but according to the equity of distribution of two few. cannot embody the "benefit-sharing. risk-sharing" mutual economic organization characteristics.

In6. agricultural intensive is changed. standardization. trade under the globalization background. small farmer development trend of uncertainty Lanzhou serves as western rural areas. farmers' cultural quality is generally relatively backward. Part of the township while with city border. but the county rural economic development by the city drive radiation is not obvious. advantage of outskirts of a city does not have sufficient play. two urban and rural economic structure problem is especially prominent. In spite of agricultural structural adjustment has done a lot of work. but the adjustment of the level is not high. the effect is not obvious. Economic crops account for the proportion to be smaller. especially the high quality and high yield safety economic crop is little. Characteristic industry is small and complete. plant layout is dispersive. form do not become dimensions effect. The leading role of the weak. to enter the market for the primary products. industrial chain is short. integrated benefit is low. Ability of basic level farming to the lack of personnel. low content of science and technology of agricultural products. Farmer quality and accelerate the development of the requirement not to suit. Most farmer idea idea is conservative. market consciousness. consciousness of science and technology is not strong. basically. in a decentralized management state. and the development of modern agriculture cannot meet the requirements of. Small farmers will eventually be defeated by large-scale intensive producer.

(two) the reason analysis

In 1. the food chain the existence of their own internal constraint Food chain link is much. mutual dependence. once part of a problem. will cause food insecurity. endangering the health of consumers. There is a

common phenomenon. some accidental phenomenon; some can be found. some can be found. Food chain itself exists within the bottleneck at present has not obtained the very good solution..

2. science and technology is a double-edged sword

For the cases with melamine. melamine is a true "science and technology". is the personage inside course of study on state statutory protein detection methods to carry out targeted research and development. the scientific research achievements should be the true source of the melamine incident. Clenbuterol is. from clenbuterol hydrochloride to "a faster metabolism. residue less" ractopamine. benzene ethanol amine A and other "new" Clenbuterol" such new achievement". "new variety" is the achievement of science and technology. it is the neglect of human health science and technology as the first link in the food chain. to human health has brought great harm.

In 3. the food chain of modern information technology platform has not yet formed

With countrywide other area photograph is compared. Lanzhou city food chain of modern information technology platform has not yet fully formed. Mainly displays in three aspects. One is food business. food sales outlets. community food business market and other remote electronic monitoring system has not been established. can effectively improve the efficiency of supervision. Two is the food quality information short message platform. still not popular. not completely with the aid of Internet resources. network of have the aid of means. the timely delivery of food regulatory policies and regulations. working paper. dynamic work. meeting notices and other information. The three is to actively promote the food e-government construction working lag. capital throws strength small. not to publicize the popularity of a healthy diet and food safety knowledge.

4. lag of traffic infrastructure construction

Currently China's 80% food transported by road. Lanzhou City. highway. railway. aviation untapped and aquatic perennial food transport channel. do not give full play to complementary advantages and play all types of transport advantages. and traffic facilities in the backward and lead to food in circulation loss rate is high. is the two time pollution possibility is big. A lot of perishable food price ratio half is used to subsidize the circulation process damage expenditure. At present. improve the function of the road transportation network has not been formed. there are some unnecessary. unreasonable checkpoints and toll. devoted to food transport highway. railway. air and water perennial transport channel is out of the question. Traffic construction speed is far cannot follow the need to develop. the food

supply chain logistics obstruction occurs. even the food supply chain chain breakage phenomenon of frequent.

In 5. a serious shortage of hardware facilities

Food supply chain modern technology platform has not yet formed.

Although Lanzhou city in food industry manufacturing process mechanization. storage management automation and product brand promotion. logistics and food safety control and other aspects has made some progress. but still very inadequate. There is no construction efficiency. no pollution. low cost green transport network and transport system linkage; establishing intensive. specialized food production. storage. distribution processing. logistics production and distribution base is relatively small but has not yet formed the scale; to reduce the pollution of the environment. such as catering services food processing. distribution center on the fresh vegetables processing support is lack of necessary conditions and technology; in the food production. circulation and consumption process of scrap materials centralized pollution technology and hardware facilities lack.

In 6. the government. enterprises and public perceptions of knowledge. for the food chain constructing and running does not provide sufficient sustainable institutional guarantee

On one hand. the government of " food safety law" propaganda is not enough. the public on food safety risk. food safety standard and the legal responsibility is not very clear. On the other hand. the local government in the understanding is not completely clear agriculture development target. for the food chain constructing and running does not provide sufficient sustainable institutional guarantee. Rely on agricultural scientific research and technical promotion strength enough. The lack of local rules of operation for the production technology. lack of food processing. storage. package. transportation and other aspects of technical standards.

In four. Lanzhou city food chain and public canteens and realizing the sustainable development strategy

(a) the application of scientific development. the concept of sustainable development construction for local food chain and public canteens and regulations construction

Advocates of the concept of sustainable development. cultivating the sustainable development consciousness. establish the sustainable development of the view of value and morality. is the promotion of food supply chain and the public canteens in the necessity of scientific development and the strategic choice. Therefore. Lanzhou city should be based on " food safety law."

Such as state laws and regulations. formulate local regulations. rules and normative documents. the realization of local legislation and national laws and regulations between. Establishment of local food safety standards system and system (Amendment) order system. and actively organize the city features of local food safety standards. The establishment of domestic and foreign food standard database. query convenient government departments and enterprises use. at the same time. promote the enterprise standards of food safety work of the record. and urge enterprises to strict implementation of the national mandatory standards. For old people concerned about the "small dining table". "Nongjiale" and other new public canteens to publish corresponding management measures. make its "law". (two) using green chemical concept. promote green food science and technology

Green chemistry is the chemistry technology and the method to reduce or eliminate the harmful to human health of raw materials. catalysts. solvents and reagents. products. by-products used and produced. is a chemistry preventing the pollution from the source. Its core is to use chemical principles from the source to eliminate pollution. main characteristic is the use of non-toxic. harmless raw materials. non-toxic. harmless. In under the conditions of reaction. finally produce beneficial to human health and environment friendly food. In 2012. a central file" on promoting the innovation of agricultural science and technology continue to enhance the supply of agricultural products security ability of several opinions" put into agriculture. ecological security of agricultural science and technology innovation direction; the new fertilizer. biological safety. circulation agriculture as agricultural science and technology innovation key. This is the city of Lanzhou food chain of sustainable development provides important policy support. To increase the food chain link of research and development in sound health. safety technology management and audit. clearance may produce harmful substances or endanger human health. food safety and technical scheme. Using information means to carry out electronic monitoring. the initial establishment of modern technology of food safety evaluation. Excess food nutrition. food additives. chemical pollutants. microorganisms and food safety related hazards components are risk evaluation.

(three) with modern business model. technology and brand management to promote Lanzhou city public canteens to span development Public dining room is the traditional service industry in the rapid development of industry." Twelfth Five-Year Plan" period. Lanzhou city public canteens to use modern business model. new technology and brand

management as the breakthrough point. accelerate the rapid development of public canteens. Business model should embody the standardization. standardization. industrialization and chain operation characteristic. draw lessons from a developed country actively adapt to social demand set up chain management experience. and promote the healthy development of public canteens have scale. Highlight characteristics and fast food chain. chain. chain sales. With the continuous improvement of living standards. public dining market potential is tremendous. To meet the consumers to a healthy diet. balanced nutrition needs change. public canteens to through the innovation of science and technology upgrading of products. to achieve health. health. safety. nutrition. green. Operating system close antenatal. in producing. postpartum integration of operations. to improve public canteens industrialization to run a level. pay attention to food technology research and development. innovation and the introduction of organic combination. Adapt to the trend of food consumption brand. cultivating brand maturity imminent. The old public canteens to focus on the traditional diet culture and modern food consumption of organic integration. improve safety. health. green hotel environmental elements. Strengthening supervision in public canteens in the security market brand reputation. promote the modernization of Lanzhou public canteens. brand. technology. green. In food enterprises to vigorously carry out moral education. moral elements into the food safety credit limits.

(four) to increase infrastructure to build strength. for the food supply chain to provide material protection

Build and perfect an adaptation of the food supply chain operation of the road network layout reasonable. traffic facilities. traffic. traffic powerful variety of complementary. convenient road transportation network traffic infrastructure construction. Construction of cold chain is the world fresh perishable agricultural products and processed food in recent decades in the development of a major trend. Increase of refrigerated transport and vehicle running and using. as far as possible to achieve the HACCP food safety hazards

(five) the establishment of agricultural information network system. improve the quality safety traceability system

Accelerate food traceability system of laws and regulations construction. encourage. support bibcock enterprise to undertake retrospective application demonstration system. through conditional enterprise demonstration and promotion. to lead other food production enterprises. and through to the supplier gradually. gradually extended to the whole chain of production enterprises. from" point" to" line" to the" face" to expand.

imported food safety market access system. establishing a scientific and reasonable access procedures. In food production enterprises to implement food good manufacturing practice. radically reducing foodborne illness. to maximize the protection of consumer health goal.

3. standardized production base management system

Base quasi system: new greenhouse system by city farming products testing center of detection or related departments of the region's soil. air. pesticide and fertilizer content for qualitative and quantitative analysis. the standard that permitted construction.

The base product exit system : the implementation of the " unified technical training. unified detection apparatus. unified system specification. unified label sales" four unified management system. Only through the testing technology and quality standard of the product will be out of the base sale. Standardization production system of job responsibility: to implement one-vote veto. signed the multi-level agricultural products quality and safety responsibility shape; the direct producers to record detailed log. strict implementation of agricultural products and food quality traceability system. In 4. agricultural management system

Implementation of agricultural market access system. introduced a series of specification documents concurrency in whole town farming endowment manage door of course of study. Establishment of agricultural administrative law enforcement unit. divided out to whole town farming endowment business households were not regular supervision and inspection. shall be confiscated. fine violators. blacklisted. media exposure and punishment. At the same time the implementation of fake farming endowment on the reporting system. In the production aspects of the implementation of a series of agricultural safety technical specification. especially disable high toxicity. high pesticide residues. strict enforcement of pesticide use safe interval period. try to reduce the dosage and frequency of use.

5. establish and perfect the public canteens access standards

Lanzhou city's public canteens because admittance doorsill is low. personnel management. health check. tableware disinfection operation specification implementation is not in place; individual there is abuse of additives. illegal use of non-food substances act. to bring a lot of potential food safety. Therefore. in the strict implementation of " catering service license management approach" and " food safety supervision and management measures" at the same time. starting a catering service food safety demonstration project. the establishment of risk detection system and food safety guarantee system. improving public canteens access

standards. And increase the school canteen. construction sites and other high risk places. food lo. cold and other high risk foods and operating without a license and other high risk behavior rectification. Strict implementation of food safety responsibility of territorial management. The government should establish and perfect the duty to reach the designated position. standard management. supervision and forceful working mechanism. coordinate as a whole on the area of various types of food production and processing of comprehensive mapping. classification regulation. dynamic regulation. At the same time. strictly implement the integrated management of rental housing apportionment responsibility. strictly implement the law enforcement responsibility. The relevant functional departments should be based on " whose director. who is responsible for" and " who are certified. who control " principle. fulfil responsibility. realization of seamless supervision on food safety.

(seven) perfect farming ability to extend a system. to adapt to modern agriculture development

1to increase a technology to groom strength. solid foundation of Industrial Development

Progress of science and technology is the first productivity. In the model of economic growth. technological progress and institutional change is the same. already from the total factor productivity in the isolated. independent sources of economic growth. The development of agricultural industry and agricultural new technology using apparently is not divided. This requires us to pay attention to the existing farming ability personnel. rural practical talent training at the same time. break through the traditional production project training. for the masses and the urgent need of specialty vegetables. fruit. livestock and poultry production technology to strengthen the guidance. in farming ability personnel to farmer combine. that is produced. for. sell management integration road strengthen guidance. organization ways to intensify training. The establishment of a modern agricultural science and technology knowledge and high-quality agricultural technology extension and management team. so that it has to adapt to modern agriculture requirement service facilities and service means.

2cultivate farmer broker and intermediary organization. to improve the level of agricultural industrialization

With the development of market economy. appeared in the country a number of active in the production and market between farmer -- farmer agent team. Farmer agent is often from the distribution of their products. gradually from the production area in the isolated. enter the field of circulation. This part of people rooted in the vast number of farmers. the

understanding of agricultural production and farmers' psychological. At the same time, there are a number of enterprises and individuals, has to grasp the market information and market advantages, gradually to the intermediary organization identity in intervention of agricultural services. These organizations and individuals, at this stage in the development of agricultural industrialization with information, products, supply the means of production such as the irreplaceable role. In this regard, not only should allow its to exist, more efforts should be made to eliminate all kinds of obstacles to development, formulated to encourage the development of policy, stimulative rural intermediary organization development and growth, and gradually improve the level of agricultural industrialization. In 3. the integration of information resources, to improve the information service

In promoting the development of agricultural industrialization and the adjustment of rural economic structure in the process, people cannot leave the timely and accurate information to guide. To strengthen agricultural information system construction, it is government support agriculture is important reflect, also be to ensure the food chain is the basic condition of sustainable development. One is to establish the agricultural product supply and demand information system. To gradually establish a national and local, government and enterprise multilevel linkage mechanism, using the government share information resources advantages, in research, screening, based on the analysis to the agricultural sector, for the foundation, build a nationwide agricultural products supply and demand information system. With the aid of modern communication facilities and means of government network, to form the supply and demand of agricultural products. China Unicom Network, guide our city produce to swap. Two should make full use of the existing cyber source, in the range of the selected information collection and information collection staff, districts and towns to implement special, on agricultural network information resource for daily maintenance and update, make information collection, collation, issued to regular, systematic and scientific, and the province and the main agricultural websites link, formed a relatively perfect system of agricultural information network. At the same time, strengthen farmer, countryside personnel of information resource utilization in combat training, promote the process of agricultural information work. In the utilization of information, both to make good use of network, to make full use of various media such as radio, television, newspapers, newsletters, such as blackboard newspaper to strengthen market information dissemination channel, make the farmer has technology, understand the

law. the market. good cooperation. better integration of supply chain.

4. strengthening propaganda and education. strengthening national food safety consciousness

Food chain. sustainable development. reflected in the economy. society and environment in three aspects. Among them. the social dimension of the food safety issues related to people's health and life safety. affect national stability and social development. Through publicity and education. improve the understanding of food nutrition and safety is the key to solving the food safety problems. Not only to enhance consumer awareness of food safety. we should strengthen the production and operation of food for food safety education; both to the national food safety knowledge and food science knowledge. publicity and education. propaganda food nutrition knowledge. scientific planting and breeding knowledge. and actively carry out food safety propaganda. raise masses' immunity". and constantly enhance the mass of food safety awareness and self-protection awareness. and consciously resist engaged in illegal pedlar. In addition. strengthening socialist moral education is also essential.

(eight) improve the benefit distribution system. improve the overall quality of cooperatives

1. perfect interest allocates a system. stimulative farmer is added close Farmer professional cooperatives as a special enterprise. its business purpose with the pursuit of both fairness and efficiency target. farmers' professional cooperative benefit allocation system is the core and soul of cooperation system. can reflect the cooperative ideological purposes. is the professional farmers cooperatives. development expands. the key of stable. To improve the membership with the cooperative benefit allocation relationship. coordination of profit distribution of dividends and accumulation. clear to members as the subject of the property rights system. ensure the implementation of membership interests. arousing farmer enthusiasm for collaboration. overcome the weakness of loose. with its continuing vitality and a strong driving force.

2. expand bibcock business energetically. strengthen construction of industry chain. improve the overall quality of cooperatives

The government is encouraged and give aid to a batch of key enterprises. help them set up from primary production to sales of a complete supply chain (as shown below). to meet the city's high-end market demand. the promotion society overall quality and competitiveness. promote the whole Lanzhou city food chain sustainable development has important sense. Map: the industrialization of agriculture leading enterprises in the supply chain

A complete supply chain establishment. to further establish enterprises in sustainable food supply chain management leader. For the upstream sector. enterprise can be passed over the years with farmers to establish trust relationship. through the provision of technical services. to purchase and sale agreement measures such as establishing benefit safeguard mechanism. regulate greenhouse planting farmers behavior; for the food supply chain is very important means of production supply chain. enterprises may not be able to control agricultural company behavior. but can in the market selection of qualified agricultural company as its partner. the ability of some enterprises can set up a special agricultural marketing department. engaged in the production of vegetables. fruit and other needs of all types of pesticides. fertilizers and seeds. all contracts farmer from here to buy inputs. can enjoy a lower than average market price wholesale prices; according to the downstream link management. enterprises in the purchase of products. to every batches of each species were sampled and rapid detection. detection of unqualified person return address. Processing and circulation can also use their own resources. such as production workshop. refrigerated trucks and other complete. The ability of enterprises can also set up a special counter to the supermarket. supermarket pay all sorts of management costs. but in the sales business enterprise self-financing.

3. innovation form. accurate positioning. enhance the cooperation ability of marketing.

Local government. especially county government should guide the farmer specialized cooperative society and market. established a good place. Specific will tell. want to advantage industry and characteristic of agricultural products for the office of social support. Tightly around the characteristics of Lanzhou city layout of advantage produce area county and district dominant industry. product characteristics to cultivate. and continue to expand the scale. drive farmer. Give full play to rural basic level to organize administrative advantage. guide village social organizations focus shifted to the United farmers set up production and marketing cooperatives to enter the market. and actively explore the dispersive farmer and bibcock enterprise together. guide the enterprises and cooperation to jointly develop the market. realize the cooperation model from the traditional" cooperation + farmer" or" enterprise + cooperation + farmer" pattern into "the market + enterprise + cooperation + farmer" mode. The following chart:

Map: market + enterprise + cooperation + farmer pattern

4. encourage the development of cooperatives. and the normative

guidance and supervision. In the food industry chain, farmers need to own interests, namely professional cooperatives. cooperatives represents farmer and enterprise by negotiations and transactions. In addition, in the industrial chain, the government's administrative management is indispensable. the main content of management for cooperative cooperation with enterprises to establish fair rules, and the rules to implement supervise. Only when the government under the supervision of enterprises, cooperative and have equal status and according to the rules of communication environment.