Risk Monitoring Program for Agro-Product in China

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Outline

◆ Management System on Agro-Product Safety in China

◆ Monitoring Program for Agro-product Safety

◆ Technology Support on Risk Monitoring
Management of food safety in China

Law-based Management

Basic Law

Food safety law
(2015 Revised Edition)

Special Law

Law on quality and safety of agricultural products
(2006)

Concurrent & Connected
Management system on food safety in China

Food safety law

Article 14 China establishes the food safety risk surveillance system, which monitors food-borne diseases, food contamination and other food-related hazards.

Regulation on the implementation of the food safety law

Article 63 The edible farm product quality safety risk monitoring and risk assessment shall be conducted by the agriculture administration of the people’s government at or above the county level in accordance with the Law of the People's Republic of China on Quality Safety of Agricultural Products.
Law on quality and safety of agricultural products

Article 34  The State establishes a system for monitoring the quality and safety of agricultural products. The administrative departments for agriculture under the people's governments at or above the county level shall, in compliance with the requirements for ensuring the quality and safety of agricultural products, draw up plans for monitoring the quality and safety of agricultural products and organize implementation of the plans, and conduct regular supervision and make spot checks of the agricultural products under production or on the market.
Management system on food safety in China

Mar 2013 Reform and Functional Transformation of the State Council

-- set up the National Health and Family Planning Commission through merging the existing Health Ministry with the National Population and Family Planning Commission;
-- elevate the status of the State Administration of Food and Drug to a general administration in order to improve food and drug safety.

Responsibilities on Monitoring & Assessment

Food Safety:

Risk Monitoring — CFDA
Risk Assessment — NHFPC, CFSA

Agro-product Safety:

Risk Monitoring — MOA
Risk Assessment — MOA
Management system on food safety in China

Responsibilities on food industry chain

The Administrative Departments for Agriculture

Food and Drug Administration
Management system on food safety in China

The real problems of agro-product safety in China

Illegal adulteration of poisonous & harmful substances
• Illegal use of the restricted pesticides, veterinary drugs, feed additives
• Illegal adulterations, e.g. melamine

Residues of the pesticides and veterinary drugs
• Limit of production scale & capability
• Producers’ lack of knowledge and technology

Pollution of producing surroundings
Monitoring Program for Agro-product Safety

According to above-mentioned situations, how to find and solve the problems of agro-product safety?

Regulations on Monitoring Program for Agro-product Safety

2012-10-01

Monitoring Programs

• MOA

• The Administrative Departments for Agriculture above the County Level

➢ to grasp the agro-product safety situation
➢ to assess the risk of agro-products
➢ to test, analyses & evaluate the hazards persistently and systematically
Monitoring Program for Agro-product Safety

Risk Monitoring Program

Routine Monitoring

Special Monitoring

Others

Supervision and Spot Check

National Level

- Research Center of Quality and Standards for Agro-product, MOA
- Science and Technology Development Center of MOA

Local Level

- Agriculture testing institutions
- Other local administrations
Monitoring Program for Agro-product Safety

Routine Monitoring

- Basic & important work
- The results tell the overall level of the agro-product safety in China

- Monitored quarterly each year
- All the provinces and most cities
- Most groups of agro-products
- Sound technology system
- Valid and objective results

Show the status quo of agro-product safety to the government
Provide basis for supervision policies making
Provide data and evidence for agro-product risk assessment
Acquaint the media and public with agro-product safety situation
Monitoring Program for Agro-product Safety

Special Monitoring

- According to the need of special supervision
- Extend & supplement the Routine Monitoring

- Made monitoring plan each year
- Focus on certain products or areas
- Species absent from the Routine Monitoring
- Flexible test parameters

eg,

- Brassica campestris L
- kumquat
- royal jelly
- pork liver
- swimming crab
Monitoring Program for Agro-product Safety

Supervision and Spot Check

- Administrative enforcement of law
- According to the risk monitoring results
- Aim at serious problems discovered from supervision
  - Samples drawn by local administration
  - Samples analyzed by agriculture testing institutions
  - Test parameters are more targeting
  - Unqualified products should be disposed of timely by law enforcement agencies
Technology Support on Risk Monitoring

Technology Requirements:

- Unified programming
- Defined responsibilities
- Scientific sampling
- Standard testing

Supporting Systems:

- Standards system
- Information system
- Testing system
- Risk Monitoring
- Others
Technology Support on Risk Monitoring

Testing System

- Rational layout
- Clear functions
- Various specialties
- Quick responding system
- Efficient operating mechanism

Ministry & Province level centers for inspection and testing for quality and safety of agro-products

- 104

Specialized center for inspection and testing for quality and safety of agro-products

- 78

Regional center for inspection and testing for quality and safety of agro-products

- 26

Prefecture level centers for inspection and testing for quality and safety of agro-products

- 306

County level stations for inspection and testing for quality and safety of agro-products

- 2143
Technology Support on Risk Monitoring

Standards System

- standards for residue limits
- standards for sampling
- standards for analysis method
- standards for data processing
- standards for work procedure

- National Standards
- Industry Standards
- Provincial Standards

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GB 2763-2014
National food safety standard—Maximum residue limits for pesticides in food

- 387 pesticides
- 10 groups of food
- 160 analysis standards
- 3650 MRLs for pesticides
Technology Support on Risk Monitoring

Information System

- Data Base & Information Platform
- Data acquisition/processing/analysis/upload

Nation-wide Data

Province-wide Data
Thank You for Your Attention!