Feed Safety Control in Taiwan

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Livestock Research Institute (LRI)
Regulatory system on feed safety-1

The role of central government - Council of Agriculture (COA), Executive Yuan

◆ COA: making policy

Government agencies under COA related to feed safety:
1. “Bureau of Animal and Plant Health Inspection and Quarantine” - Drug residue monitoring program
2. “Livestock Research Institute” - Feed content analysis
3. “Taiwan Agricultural Chemicals and Toxic Substances Research Institute” - Pesticide residues analysis
4. “Animal Health Research Institute” - Animal drug residues analysis
Regulatory system on feed safety - 2

The role of local government
- Responsible for *spot check* of feed contents

Local governments include a total of 21 county and city governments nationwide

Conducted by staff unit of the local government:
- Agriculture Department
- Animal Protection Office
- Animal Disease Control Center

> Samplings from the farms and feed mills were delivered to the related institutes and foundation for determination.
Regulatory system on feed safety-3

• The role of *non-profit corporation*
  ◆“National Animal Industry Foundation”
    - Copper and zinc content analysis
  ◆“Agriculture Technology Research Institute”
    - Terrestrial animal protein verification
Policy regarding feed safety:

To reduce the items of legal use medicated feed additives year by year

• The antimicrobial drugs for feed additives plan to be reduced from 9 items to 5 items; and anthelmintics for feed additives plan to be reduced from 17 items to 14 items by 2024.
“Feed Control Act” regarding feed safety

Positive lists for animal feeds
◆ A detailed list describing the types of feeds
Such as:
plant-based feed, animal-based feed, feed supplement, formulated feed

Positive lists for animal feed additives
◆ A detailed list describing the types of feed additives
Such as:
lactic acid bacteria, enzymes, feed preservatives…etc.
Role of the laboratory for feed safety
– 1 Feed Analysis Center (LRI)

◆ To monitor limited content items for feed safety
✓ Aflatoxin: corn, complete feed
✓ Mycotoxin: corn, complete feed
✓ Melamine (trimeric cyanamide): fish meal, artificial milk
✓ Lead, arsenic, cadmium and mercury: mineral supplementary feed
Role of the Laboratory for Feed Safety

- To monitor limited content items for feed safety
  - Pesticides: compound feed (Taiwan Agricultural Chemicals and Toxic Substances Research Institute, TACTRI)
  - Compound feed for ruminants: terrestrial animal protein (Agriculture Technology Research Institute, ATRI)
  - Animal drugs: complete feed, domestic meat and bone meal (Animal Health Research Institute, AHRI)
Results of monitoring chemical hazard in animal feed by LRI in 2020

100% pass rate of all projects in 2020
Thank you for your attention

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