Quality control systems and Application of standards

Mr. Anut Visetrojana
National Bureau of Agricultural Commodity and Food Standards (ACFS)
Ministry of Agriculture and Cooperatives
The Kingdom of Thailand
Standards and Marks

● **Mandatory standards:**
  ● License required for production, export or import
  ● Inspection / Certification by CB licensed/CA

● **Voluntary standards:**
  ● License not required
  ● Inspection /Certification on voluntary basis

● The uses of **Certification Mark** for both types of standards are controlled by law
Certification Mark

- **Mandatory standards**
  - AC xx-xxxx-xxxxxxxxxxxxxx
  - GAP

- **Voluntary standards**
  - AC xx-xxxx-xxxxxxxxxxxxxx
  - GFP
GAP Requirements

- Use of pesticides
- Planting area
- Water source
- Pre-harvest Quality Management
- Harvest and Post-harvest Handlings
- Storage and transportation
- Personal hygiene
- Record keeping

Good Agricultural Practices (GAP)
Organic Requirements

- Split production and parallel production
- Maintenance of organic management
- Conversion/transition period
- Avoiding Contamination
- Land, soil fertility and water management
- Choice of crops and varieties
- Ecosystem Management and Diversity in crop production
GMP Requirements

- Control of operation
- Maintenance and sanitation
- Personal hygiene
- Design and facilities of the establishment
- Primary production
- Transportation
- Training
- Product information and consumer awareness

Good Manufacturing Practices (GMP)
Standards Certification System in Thailand

Farm
- Department of Agriculture
- Department of Fisheries
- Department of Livestock Development

Slaughterhouse
- Department of Livestock Development

Packing House
- Department of Agriculture

Processing
- Thai Food and Drug Administration
- Thai Industrial Standards Institute
- Department of Agriculture
- Department of Fisheries
- Department of Livestock Development
Accreditation: ACFS

IAF: International Accreditation Forum
PAC: Pacific Accreditation Cooperation

GMP/HACCP
ISO/IEC 17021
ISO/TS 22003
ISO/IEC 17065
GAP/Organic
Product Cert.

IAF: International Accreditation Forum
PAC: Pacific Accreditation Cooperation
Accreditation: ACFS

- ISO/IEC 17021
- ISO/IEC 17065
- ISO/TS 22003
- ISO/IEC 17020
ILAC: International Laboratory Accreditation Cooperation

APLAC: Asia Pacific Laboratory Accreditation Cooperation
Effective Mandatory Standards

Currently in Effect

  effective on 4 May 2016

Going into effect in 2017

- TAS 4702-2014 : Peanut Kernel : Maximum Level of Aflatoxin
  effective on 6 January 2017

- TAS 7432-2558 : Good Aquaculture Practices for Hatchery of Disease Free Pacific White Shrimp (*Litopenaeus vannamei*)
  effective on 18 June 2017
Establishment Of Standards for Entire Food Chain: Case Study on Aflatoxins in Peanut

- **Farm**
- **Peanut shelling plant**
- **Raw peanuts**
- **Processing plant**
- **Final product**

**Standards:**
- Good Agricultural Practices for Peanut (TAS4900-2010)
- Good Manufacturing Practices for Peanut Shelling Plant (TAS4901-2012) and also **mandatory standard**
- Dried Peanut (TAS4700-2011)
Agricultural Commodity Licensing

Agricultural Standards Act B.E.2551

Section 20
Ministerial Regulation on the determination of mandatory standards for any agricultural commodity.

- Producers
- Exporters
- Importers

Renewal every 3 years
Process for Licensing

Application

Verification

Approval 4 License

e-Payment 4 License fee

Issuance of License

Renewal every 3 years
Border Control
Export/Import Notification

Notification

Verification

GREEN LANE
Approve
Release

RED LANE
Inspection (+ sampling)
YES
Release

NO
- Reject
- Destroy
- Improve

all shipments
Agricultural Commodity Surveillance & Monitoring

- Self controlling and monitoring on quality and safety standard.
- Get conformity assessment on related standard according to the certification system.

Business operator

- Sampling according to the surveillance program
- Monitoring on site visit at the operation office, plantation and production plant.

Officer

Consumer and Trade Protection
Thank You

www.acfs.go.th