Materials for FAO/DOF Thailand/NACA Expert Workshop on Guidelines for Aquaculture Certification

Aquaculture Certification System in China

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Outline

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B. Aquaculture Certification status in China

C. Safety agri-food certification

D. Good Agriculture Practice Certification
A. Aquaculture development status in China
1. aquaculture industry development

- Chinese fishery in the total value of output of agriculture in the last several decades: from 1.3% in 1952 to 3.5% in 1990, and 11.19% in 2003

- Fishery product held global first place for 16 years from 1989 to now. In 2005, 51.017 million tons, which covered about one third of the global total yield
1. aquaculture industry development

- The proportion of Aquaculture product yield from the total yield rose from 56% in 1997 to 67% in 2005.
- Covered 70% of the global Aquaculture product yield.
1. aquaculture industry development


1. aquaculture industry development

- China’s export scale of fishery product has occupied the first place of the global fishery product export trade for contiguous four years since 2002.

- Its proportion from global fishery product export trade rose from 6.17% to 10%.

- The export scale reached 7.89 billion US dollars in 2005, which covered 28.6% of China’s total agricultural product export scale.
2. Status of quality & safety control

- In 2003, MOA published “Regulations for administration of aquaculture quality safety”:
  - Complete producing diary recording
  - Scientific medicating
  - Water environmental monitoring
  - Product labeling
  - And raw material monitoring.

- Near 2000 nurseries and bases in China completed this “Five rules”
2. Status of quality & safety control

- **CNCA**: The sanitation registration system of export food processing enterprise.
- **AQSIQ**: The recording system of export fishery nurseries.
- **CIQ**: Strict full range control to the export fishery product processing enterprise and their nurseries.
2. Status of quality & safety control

- As requested by CNCA and AQSIQ, these producers positively improved the quality and safety of their products.
- They also established the “own-check system” according to the HACCP principles.
B. Aquaculture Certification status in China
1. Agri-food certification

- The relevant authority of China’s agriculture is the Ministry of Agriculture of the People’s Republic of China (MOA).
- The relevant authority of Certification and Accreditation activities in China is Certification and Accreditation Administration of the People’s Republic of China (CNCA).
- Divided into two forms of government pushing and market operating.
- The specific enforcing agencies of China’s agricultural product certification are certification bodies (CBs) approved by CNCA.
1. Agri-food certification in China

- Organic Product Certification
- Safety Agro-food Certification
- Green Food Certification
- Produce & Agro-food (Agriculture)
- Food (food process)
- Food Market
- HACCP Certification
- Food Quality Certification
- Green Market Certification
- China Feed Certification
- ChinaGAP Certification
1. Agri-food certification in China

- The safety agri-food and green food are created according to China’s own economic development level and market demand.

- China GAP is based on Eurep GAP according to the reality of China’s agriculture.
1. Agri-food certification in China

- The safety agri-food certification is authorized by the Center For Agri-food Quality & Safety of Ministry of Agriculture (CAQS),

- The total certification amount reached 23,636 from 2003 to late 2006.
1. Agri-food certification in China

- The green food certification is carried out by China Green Food Certification Center and every provincial level green food offices.
- 12,868 kinds of product of 4,615 producers, among which 797 kinds of fishery product (include processed product) of 230 producers have been certificated.
2. Aquaculture Certification

- **Product certification**
  - Organic product - 29 CBs, 61 kinds of fishery products
  - ChinaGAP - pilot project
  - ACC - still in start stage, 1 producer has got the ACC certification, other 2 producers are in proposing.
2. Aquaculture Certification

- **System certification**
  - ISO9000 - 80 CBs, 64 certificates,
  - ISO14000 - 66 CBs, 6 certificates,
  - HACCP - 31 CBs, 2 certificates.
C. Safety agri-food certification
C. Safety agri-food Certification

- The certification of safety agri-food is one measure of the “safety agri-food”, July, 2002, initiated by the MOA.

- Safety agri-food certification:
  - formally established in 2003,
  - Authorized by CAQS,
  - official evaluation measure, public welfare certification item does not charge
  - **Aim** - ensure the production safety, market accessing and consumption safety of the agricultural product.
  - production area determination and product certification
C. Safety agri-food Certification

- CAQS has three subcenters including crop farming, graziery and fishery product.
- Provincial level agencies - 68 (29)
- Certification judgment committee experts - 282.
- Detection agencies of production area environment - 191.
- Fixed-point detection agencies of safety agri-food - 144 (72)
- Registered inspectors - 3324 (503)
C. Safety agri-food Certification

The organization chart of the CAQS of MOA

CAQS, MOA

Committee of food Certification
- General Office
- Technology Division
- Certification Division
- Supervision Division
- sub-center of crop farming
- sub-center of animal husbandry
- sub-center of fisheries

132 institutions for inspection and testing of agro-food
68 provincial institutions
191 institutions for inspection and testing of environment.
On April 29th, 2002, MOA and AQSIQ together published “Measures for administration of safety agricultural product”.

In 2003, MOA and CNCA published

- “Measures for administration of the label of safety agri-food” (No.231 proclamation)
- “Procedures on certification of safety agri-food”
- “Procedures on determination of the production area of safety agri-food” (No.264 proclamation).
Rules and regulations

- Rules for administration of veterinary drugs and their practice by rules
- Rules for administration of additives of feeds and drugs
- Regulations for administration of aquaculture quality safety
Standards

- **Standard for production area environmental assessment**
  - “Safe quality of agricultural product - The environmental requirement of the production area of safety fishery product” (GB/T18407.4-2001)
  - “Safety food – water quality of fresh water aquaculture” (NY5051-2002)
  - “Safety food – water quality of mariculture” (NY5052-2002)
Standards

- Administration standard for production process
  - “Quality safety administration specification of aquaculture” (SC/T 0004-2006)
  - “Safety food – criterion for usage of fishery drugs” (NY 5071-2002)
  - “Safety food – dose limit of fishery compound feeds” (NY 5072-2002)
  - Technological specifications for production administration of 29 kinds of fishery product, such as “Safety food – technological specification for prawn cultivation” (NY 5059-2001)
Standards

- Quality standards for final product
  - “Safe quality of agricultural product – safety requirement of safety fishery product” (GB18406.4-2001)
  - “Safety food – dose limit of harmful and toxic substance in fishery product” (NY 5073-2001)
  - “Safety food – dose limit of fishery drugs residue in fishery product” (NY 5070-2002)
  - The quality safety standards of varietal fishery product, such as “Safety food – Cheilotrema” (NY 5060-2005),
D. Good Agriculture Practice Certification in China
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Since 2003, CNCA organized experts from relevant areas to compile ChinaGAP standards. Standardization Administration of China (SAC) issued the National Standards on GAP on Dec 31st, 2005, which covers combinable crops, vegetable, fruit, cattle, sheep, dairy, pig and poultry. 11 standards have been being implemented since May 1st, 2006.
D. Good Agriculture Practice Certification in China

- In order to perfect the GAP Standards system, CNCA has organized experts from relevant area to compile the GAP standards on tea and aquaculture since 2005. Now the final draft edition of the GAP standards on tea and aquacultures has been completed, and will soon be issued. Then there will be 28 standards on GAP in China.
D. Good Agriculture Practice Certification in China

- Crops Base
  - Combiningable Crops
  - Fruit and Vegetable
  - Tea

- Livestock Base
  - Pig
  - Poultry
  - Cattle and Sheep
  - Dairy

- Aquaculture Base
  - Industrial Culture Base
  - Cage Culture Base
  - Net Enclosure Culture Base
  - Intertidal Mudflat/Hanging/Bottom-Sowing Culture Base

- Pond Culture Base
  - Tilapia
  - Eel
  - Penaeid Shrimp
  - Weever
  - Chinese Turtle
  - Carps
  - Mangrove Crab
D. Good Agriculture Practice Certification in China

- Now CNCA, with other government agencies in China, is conducting pilot project of ChinaGAP certification in 18 provinces and cities such as Shandong, Henan, Fujian, Heilongjiang, Jilin, Shanxi, and Beijing. CNCA will extend ChinaGAP to a larger scope in China in the future.
D. Good Agriculture Practice Certification in China
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CNCA has a close cooperation relations with EUREPGAP, and signed the ‘MOU on technical cooperation between CNCA and EUREPGAP/FoodPLUS’.
D. Good Agriculture Practice Certification in China

‘MOU on Benchmark for Good Agricultural Practice Certification System between CNCA and EUREP/GAP/FoodPLUS’.
THANK YOU!
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