

Kingdom of Cambodia



National Institute of Statistics Country Report

Regional Training Course on Agricultural Cost of Production Statistics

23-27 April, 2018, Daejeon, Republic of Korea

Prepared by: Kong Seng

Contents



- Introduction
- Agricultural shared in GDP
- Agriculture Statistics
- Challenge

Introduction



- Cambodia Socio-Economic Survey(CSES) or Households Survey was conducted since 1993, 1998 supported by World Bank.
- And 2004 funded by UNDP and Statistics Sweden was contracted to provide the technical assistance
- 2007 till 2015 funded by Swedish International Development Agency (Sida)
- 2016 till 2017 funded by EU and (Sida)

Introduction (Cont)



Cambodia Socio-Economic Survey with questions to household and their household member about housing conditions, education, economic activities, household production and income, household level and structure of consumption health, victimization, vulnerability, etc.

Introduction (Cont)



The results from CSES are used for monitoring the National Strategic Development Plan (NSDP) and progress towards the Millennium Development Goals(MDG)/Sustainable Development Goals(SDG). Furthermore, the data are used for developing poverty line and calculating poverty rate. Data also been used for food security analysis.

Agricultural shared in GDP



Agricultural shared in GDP 2017 around 23.4% where:

- Crop 13.7%
- Livestock and poultry 2.6%
- Fisheries 5.5% and
- Forestry and logging 1.6%

Agriculture Statistics



Base on Statistics Law, Chapter III Article 6,
February 2016

- National Institute of Statistics is responsible for the data collection and dissemination of agricultural statistics cooperation with Ministry of Agricultural Forestry and Fishery (MAFF).

Agriculture Statistics cont



- **Census/Survey**
 - Agricultural Census 2013
 - Crop cutting Survey (rice) every year wet & dry (MAFF)
 - Agricultural Survey 2019
 - Cambodia Socio-Economic Survey (CSES) or Household Survey conducted annually (2004-2017)
- **Administrative**
 - Report from village to district agriculture office
 - Report from district agriculture office to Province agriculture department
 - Report province agriculture department to Ministry of Agriculture Forestry and Fishery

Agriculture Statistics (cont)



- The CSES is a multipurpose survey. As it also covers household production, where agricultural production plays a dominating role, it can contribute to the knowledge about agriculture as well.
- Data from the agricultural module of the CSES is much in demand, which is primarily from Ministry of Agriculture, Forestry and Fisheries (MAFF), the National Account Department of the National Institute of Statistics (NIS) and from the World Bank.
- Statistics by gender (households headed by women and men respectively) provide information of great importance in many areas.

Agriculture Statistics (cont)



Agriculture in household Survey is divided in six sections :

1. Land ownership
2. Crop production
3. Cost of crop cultivation
4. Livestock and poultry
5. Fish cultivation and fisheries
6. Forestry and hunting

1. Land ownership

- The agriculture land in the Cambodia Socio-Economic Survey refers to the land that households owned or operated, rent in, rent out, free use of land, etc., to use for vegetable gardening, agricultural or do farming activities such as crop cultivation, livestock raising, fishing and fish breeding and private forestry.
- Excludes land under permanent pasture, wood of forest and all other non-agricultural land put under residential use or for other enterprise activities.

2. Crop production

Classification of crops based on FAO classification with 23 group. However, in order to get more usable estimates, these 23 group are aggregated into six larger groups.

Such as :

- Cereal harvested for grain
- Tubers and leguminous plant
- Industrial temporary crops
- Vegetable
- Fruit and nuts
- Industrial permanent crop

3. Cost of cultivation of crop

- Wet season:
 - Temporary crop
 - Permanent crop
- Dry season:
 - Temporary crop
 - Permanent crop

3. Cost of cultivation of crop (cont.)

- Temporary crop:
 - Planting materials (seed, seedlings, young plants)
 - Chemical fertilizers, pesticide, weedicide and fungicide
 - Animal and plant manure
 - Electricity for use farming
 - Oil gas, gasoline and diesel for farming
 - Storage items (burlap bags, plastic sheeting...)
 - Payment to hired draft power(tractors/animals) including human labour, if any, for ploughing/harrowing
 - Other hired labour charges (Cash plus kind)

3. Cost of cultivation of crop (cont.)

- Irrigation charges
- Services/technical support from government and from other agencies
- Transportation of input materials, equipment and products
- Repair and maintenance of farm house, farm equipment, animal shed etc.
- Rental paid to owner for farm land, farm house, equipment etc. rented in from others

3. Cost of cultivation of crop (cont)

- Permanent crop:
 - Planting materials (seed, seedlings, young plants)
 - Chemical fertilizers, pesticide, weedicide and fungicide
 - Animal and plant manure
 - Electricity for use farming
 - Oil gas, gasoline and diesel for farming
 - Storage items (burlap bags, plastic sheeting...)
 - Payment to hired draft power(tractors/animals) including human labour, if any, for ploughing/harrowing
 - Other hired labour charges (Cash plus kind)

3. Cost of cultivation of crop (cont.)



- Irrigation charges
- Services/technical support from government and from other agencies
- Transportation of input materials, equipment and products
- Repair and maintenance of farm house, farm equipment, animal shed etc.
- Rental paid to owner for farm land, farm house, equipment etc. rented in from others

4. Livestock and poultry



- Number of households raising livestock and poultry
- Number of livestock and poultry
- Cost for raising of livestock and poultry
 - + Feed for livestock- purchased
 - + Hired labor caring for livestock
 - + Veterinary services and medicine
 - + Products and feed to/from market
 - + Other cost
- Value of livestock and poultry sold

5. Fish cultivation and fisheries

- Number households with fishing activities
- Number households with aquaculture
- Cost of fish cultivation and fishing:
 - + Breeding stock for raising fish
 - + Feed for raising fish
 - + Hired labour
 - + Ice
 - + Repair and maintenance of nets and traps
 - + Repair and maintenance of boat

5. Fish cultivation and fisheries (cont)

- + Boat fuel
- + Boat rent
- + Cash rent for tank
- + transport of fish to market
- + Service(technical assistance) received
- + Other cost item

6. Forestry and hunting



- Number of households with forestry and hunting activities
- Number of forestry and hunting activities by type of activities
- cost of forestry and hunting activities:
 - + Transport cost including transport to market
 - + Fuel
 - + Draft animal feed

6. Forestry and hunting (cont)



- + Hired clued labour charges
- + Tools, equipment, including maintenance
- + Commissions, tips, rents etc.
- + other cost item

Challenge



- Lack of statistics knowledge
- Shortage of budget for agricultural statistics activities
- Sample size have limited
- Labour cost

Thank you for your attention

