

Philippines - Survey on Costs and Returns of Sweet Potato (camote) Production 2014

Philippine Statistics Authority

Report generated on: May 21, 2020

Visit our data catalog at: <https://microdata.fao.org/index.php>

Overview

Identification

ID NUMBER

PHL_2014_SCR-Potato_v01_EN_M_v01_A_OCS

Overview

ABSTRACT

The survey aimed to generate updated data on levels and structure of production costs and returns. Specifically, it was conducted to determine the indicators of profitability such as gross and net returns, returns above cash costs, net profit - cost ratio, etc.; usage of materials and labor inputs; and other related socio-economic variables including information on new production technologies.

KIND OF DATA

Sample survey data [ssd]

UNITS OF ANALYSIS

Households

Scope

NOTES

The scope of the survey included the following:

SECTION A. GEOGRAPHIC INFORMATION

This section collects information on the geographic location where the sample farmer resides.

SECTION B. SAMPLE IDENTIFICATION

This section aims to gather the demographic characteristics of the sample farmer.

SECTION C. BASIC CHARACTERISTICS OF THE FARM

This section collects basic information about the farm(s) operated by the sample farmer.

SECTION D. FARM INVESTMENTS (owned and used in the focus parcel)

This section captures information on all investment items owned and used/utilized by the sample farmer in camote (potato) production during the last completed harvest within May 2013 to April 2014.

SECTION E. MATERIAL INPUTS (used in the focus parcel)

This section aims to gather information on the usage and costs of material inputs of the sample farmer in his camote (potato) production during the last completed cropping period.

SECTION F. LABOR INPUTS (in focus parcel)

This section aims to gather information pertaining to labor utilization in the production of camote (potato) during the reference period. The sources of labor are operator, family, exchange labor (bayanihan) and hired labor. The latter may include permanent worker, contract labor or "pakyaw" system wherein the performance of multiple farming activities is contracted for a certain amount.

SECTION G. OTHER PRODUCTION COSTS (in focus parcel)

This section gathers other items of production cost incurred on the focus parcel during the reference period. Payments may be cash or non-cash.

SECTION H. PRODUCTION AND DISPOSITION (in focus parcel)

This section aims to gather information on the gross volume of camote (potato) harvested in the focus parcel during the last completed cropping within May 2013 to April 2014 as well as the breakdown of disposition.

SECTION I. PRODUCTION RELATED INFORMATION (in focus parcel)

This section aims to gather information on the problems affecting camote (potato) production during the reference period.

SECTION J. MARKETING RELATED INFORMATION (in focus parcel)

This section aims to gather information on the problems encountered in marketing their produce during the reference period.

SECTION K. ACCESS TO CREDIT (in focus parcel)

This section aims to gather information regarding loans availed of by the sample farmer/operator for camote (potato) production during the reference period.

SECTION L. FARMER'S PARTICIPATION IN CAMOTE (POTATO) PROGRAMS / PROJECTS

This section aims to collect information on the farmer's participation in camote (potato) program and projects during the reference period.

SECTION M. OTHER INFORMATION (for camote (potato) only)

This section aims to gather information relative to the effect of climate change in camote (potato) production and organic farming practices. Also, the sample farmer/operator's membership in any farmer's organization and benefits received are solicited.

SECTION N. PLANS AND RECOMMENDATIONS

This section aims to compile the plans and recommendations of the sample farmer/operator for the improvement of his/her camote (potato) production.

TOPICS

Topic	Vocabulary	URI
Agriculture, forestry, fisheries	Philippine Statistics Authority	
Business and Agricultural surveys	Philippine Statistics Authority	

Coverage

GEOGRAPHIC COVERAGE

National Coverage

UNIVERSE

The survey covered farmers who harvested camote (potato) within the reference period and knowledgeable on the details of camote (potato) farming particularly on investments, material inputs, labor expenses incurred and disposition of produce.

Producers and Sponsors

PRIMARY INVESTIGATOR(S)

Name	Affiliation
Philippine Statistics Authority	National Economic and Development Authority (NEDA)

FUNDING

Name	Abbreviation	Role
Government of the Philippines	GoP	Full funding
Department of Agriculture	DA	Survey Operations
Philippine Statistics Authority	PSA	All other expenses

Metadata Production

METADATA PRODUCED BY

Name	Abbreviation	Affiliation	Role
Office of the Chief Statistician	OCS	Food and Agriculture Organization	Metadata adapted for FAM
Agricultural Accounts Division	AAD	Philippine Statistics Authority	Documentation of the study

DDI DOCUMENT VERSION

PHL_2014_SCR-Potato_v01_EN_M_v01_A_OCS_v01

DDI DOCUMENT ID

DDI_PHL_2014_SCR-Potato_v01_EN_M_v01_A_OCS_FAO

Sampling

Sampling Procedure

The domain of the survey was the province. A two-stage sampling design was employed with the barangay as the primary sampling unit and the sample farmer as the secondary sampling unit. The top producing barangays were selected from an ordered list of barangays. The sample farmers were identified in each sample barangay using snowball approach during data collection.

The total number of sample barangays per province was fifteen or less. If the number of major producing barangays that contributed to 80 percent based on area planted were more than 15, 15 barangays were selected. Those provinces with less than 15 barangays that produced sweet potato were completely enumerated. This approach ensured representation of the barangays in the province in terms of area planted to sweet potato. The total number of sample farmers per province was set at 75 and equally allocated to the sample barangays. The list of sample barangays per province and corresponding number of samples were provided to the Provincial Operations Center (POC) of the former Bureau of Agricultural Statistics (BAS) prior to the survey.

During data collection, the names and addresses of sweet potato farmers residing in the barangay were obtained from the office of the barangay chairman or any other key informants in the barangay. It served as the data collector's starting point in searching for potential sample farmers. The target numbers of sweet potato farmers in the sample barangays were obtained using snowball sampling. A set of screening questions was applied to confirm if those listed actually harvested sweet potato during the reference period and satisfied the other criteria to qualify for enumeration.

Whether the interviewed farmer was qualified for the survey or not, he/she was asked to identify other sweet potato farmers in the barangay to be added in the initial list. The search continued, and the farmer who met the criteria specified in the screening questions was qualified as sample for the survey and was interviewed using the questionnaire for the 2014 Survey on Costs and Returns of Sweet Potato (camote (potato)) Production. If the interview was successfully carried out (meaning, all the needed information had been supplied), the household number, full name and residential address of the sample farmer were written in the List of Sample Farmers. The enumerator selected again any farmer in the initial list as the next potential sample for the survey. The process continued until the required number of samples in the barangay was obtained.

Response Rate

The survey has a response rate of 100 percent

Questionnaires

No content available

Data Collection

Data Collection Dates

Start	End	Cycle
2014-05-24	2014-06-13	N/A

Time Periods

Start	End	Cycle
2013-05-01	2014-04-30	N/A

Data Collection Mode

Face-to-face paper [f2f]

Data Collectors

Name	Abbreviation	Affiliation
Philippine Statistics Authority	PSA	National Economic and Development Authority

Data Processing

Data Editing

Editing and coding of data were done at the provincial offices upon submission of the accomplished questionnaires by the CDCs. These activities were undertaken to ensure the quality of data that were collected.

A five (5) day training/workshop on data processing was conducted to facilitate the generation of survey results. It was attended by the Provincial Processing Officers (PPOs) or staff in-charge of other crops and selected staff of the Agricultural Accounts and Statistical Indicators Division (AASID).

The training/workshop covered data encoding, data review, cleaning and updating of flat files using MS Excel program developed by AASID. During the training/workshop, completeness check, consistency checks and accuracy checks were done to ensure quality of data. The output of the data review and cleaning was the final set of raw data file which was used for the generation of data tables. These data tables were validated and compared with the results of the 1998 Costs and Returns of Cassava Production and results of other relevant surveys.

The document on Editing Guidelines is provided as a Related Material.

Data Appraisal

Other forms of Data Appraisal

Series of reviews were done to assess the quality of the data in terms of reliability and acceptability. A comparison with the results of past surveys on input usage, labor utilization, production cost and return structure of camote (potato) was made.