

Philippines - Palay and Corn Stocks Survey 2017

Philippine Statistics Authority

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Overview

Identification

ID NUMBER
PHL-PSA-PCSS-2017-v1.0

Version

VERSION DESCRIPTION
V1.0: Division edits for preliminary estimates computation (raw, first output)

PRODUCTION DATE
2021-09-10

Overview

ABSTRACT
The objective of the survey is to generate estimates on current stock of rice and corn in farming and non-farming households. The data generated from the survey seek to:

1. serve as input in the analysis of the seasonal trends and variations in the supply of rice and corn;
2. serve as input for forecasting future supply and demand of palay and corn; and
3. assist policy-makers in the formulation, implementation and administration of agricultural economic programs.

KIND OF DATA
Sample survey data [ssd]

UNITS OF ANALYSIS
farming and non-farming households

Scope

NOTES
The scope of the Palay and Corn Stocks Survey 1 (PCSS) includes:

- Geographic Classification (Province, Municipality, Barangay, Province Classification) and Household Classification (Farming and Non-Farming)
- Household Characteristics (Name of Household Head, Name of Respondent, Relationship to Household Head)
- Quantity of Palay in the House as of the reporting month, as of 6:00 am, in Local Unit (Unit Used, Number of Units, Weight of One Unit)
- Quantity of Rice in the House as of the reporting Month, as of 6:00 am, in Local Unit (Unit Used, Number of Units, Weight of One Unit)
- Quantity of Shelled Corn (Yellow/White) in the House as of the Reporting Month, in Local Unit (Unit Used, Number of Units, Weight of One Unit)
- Quantity of Corn Grits (Yellow/White) in the House as of the Reporting Month, in Local Unit (Unit Used, Number of Units,

Weight of One Unit)

TOPICS

Topic	Vocabulary	URI
Agriculture, forestry, fisheries	Philippine Statistics Authority	

Coverage

GEOGRAPHIC COVERAGE (1)

The survey covers seventy-nine (79) provinces (including Dinagat Islands), two (2) chartered cities (Davao City and Zamboanga City), and National Capital Region

GEOGRAPHIC COVERAGE (2)

National

GEOGRAPHIC UNIT

Barangay

UNIVERSE

Farming and non-farming households

Producers and Sponsors

PRIMARY INVESTIGATOR(S)

Name	Affiliation
Philippine Statistics Authority	National Economic and Development Authority

FUNDING

Name	Abbreviation	Role
Government of the Philippines	GOP	Full funding

OTHER ACKNOWLEDGEMENTS

Name	Affiliation	Role
National Food Authority	Department of Agriculture	Partner Agency/Stakeholder

Metadata Production

METADATA PRODUCED BY

Name	Abbreviation	Affiliation	Role
Crops Statistics Division	CSD	Philippine Statistics Authority	Documenter

DATE OF METADATA PRODUCTION

2021-09-10

DDI DOCUMENT VERSION

Version 1.0

DDI DOCUMENT ID

DDI-PHL-PSA-PCSS-2017-v1.0.

Sampling

Sampling Procedure

The PCSS is a sub-sample of the Palay and Corn Production Survey (PCPS) which employs a two-stage stratified sampling design with the barangay as the primary sampling unit (psu) and the household as the secondary sampling unit (ssu). One replicate of the PPS and CPS sample barangays is selected to represent PCSS sample barangays since PPS and CPS covers only farming households, five (5) non-farming households are added to the PCSS sample households in the sample barangays of the province. Non-farming households are selected through simple random sampling.

The PCSS in NCR covers only non-farming households with two-stage sampling design. Two (2) sample barangays are chosen in each city/municipality with five (5) sample households. Selection of samples is done using simple random sampling.

Weighting

The expansion factor of the PCSS is based on the number of farming and non-farming households from the 1991 Census on Agriculture and Fishery (CAF) which is updated in July every year using the projected midyear population estimate.

Questionnaires

Overview

The survey uses a structured questionnaire referred to as PCSS Form 1 (Provincial Questionnaire) and PCSS Form 2 (NCR Questionnaire). The questionnaire has two major parts- palay and corn which are further sub divided by product type: for palay (palay and rice) and for corn (corn grain and corn grits).The same questionnaire is used in the monthly surveys.

Data Collection

Data Collection Dates

Start	End	Cycle
2017-01-01	2017-01-04	January
2017-02-01	2017-02-04	February
2017-03-01	2017-03-04	March
2017-04-01	2017-04-04	April
2017-05-01	2017-05-04	May
2017-06-01	2017-06-04	June
2017-07-01	2017-07-04	July
2017-08-01	2017-08-04	August
2017-09-01	2017-09-04	September
2017-10-01	2017-10-04	October
2017-11-01	2017-11-04	November
2017-12-01	2017-12-04	December

Time Periods

Start	End	Cycle
2017-01-01		January
2017-02-01		February
2017-03-01		March
2017-04-01		April
2017-05-01		May
2017-06-01		June
2017-07-01		July
2017-08-01		August
2017-09-01		September
2017-10-01		October
2017-11-01		November
2017-12-01		December

Data Collection Mode

Face-to-face [f2f]

Data Collection Notes

Statistical Researchers (SRs) are hired to gather the data. Prior to data collection, briefing of the SRs is conducted to ensure that the procedures and concepts of the survey are understood.

Courtesy call to barangay officials are done by the SRs prior to data collection in the sample barangay in order to explain the nature and purpose of the survey and to seek permission for its conduct in their area. At the household level, the objectives of the survey are explained by the SRs as well as an assurance that the information collected are treated with utmost confidentiality. Average interview time per sample household ranged from 10 to 15 minutes.

The SRs use the local dialect in the interview in accordance with the procedures prescribed in the manual of instructions and as discussed during the briefing. Problems encountered by the SRs are reported to their supervisors for appropriate action. The accomplished questionnaires are first edited by SRs for completeness, consistency and acceptability of the entries before submitting to the supervisors.

Questionnaires

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Data Collectors

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

Supervision

Field supervision is undertaken by the Provincial Office (PO) staff in their respective municipalities assignments. The Provincial Statistics Officer (PSO) serves as overall supervisor in the province, while the Regional Director (RD) is the overall supervisor in the region. Central Office technical staff also make field visits in selected provinces to observe field operations.

Among the responsibilities of the supervisors are to conduct briefing of SRs prior to data collection, make spotchecking and backchecking activities during and after data collection, edit accomplished returns, address problems encountered by the SRs under his/her supervision and report to Central Office the significant findings that may contribute to the analysis of the survey results.

Duties and responsibilities of the supervisors are described in the Manual of Operations for Supervisors.

Data Processing

Data Editing

Data editing is done in two stages, namely: manual and computerized editing. The completed survey returns are manually edited prior to data encoding. Manual editing involves the checking data items based on the pre-set criteria, data ranges, completeness and consistency with other data items in the questionnaire. Then, coding of alpha-numeric codes for questionnaire items to facility data entry.

Data are processed in the PCSS data processing system developed using the Census Survey Processing System (CSPRO). Data processing is decentralized at the Provincial Offices. The processing activities include encoding of the data from the edited survey returns, computerized editing, completeness check and generation of output tables.

To validate, the encoded data are subjected to computerized editing using the customized editing program. The editing program take into consideration the validation criteria such as validity, completeness and consistency with other data items. This activity is done to capture invalid entries that were overlooked during manual editing. An error listing is produced as output of the process. The error reflected in said list are verified vis-a-vis the questionnaires. The data files are updated based on the corrections made. Editing and updating are performed iteratively until a clean, error-free data file is generated.

Completeness check is done to compare the data file against the list of samples to check if the samples have been completely surveyed. This activity is done after clean, error-free data file is generated .

Other Processing

Data from the PCSS are processed using a customized processing system developed using the Census Survey Processing System (CSPRO) software by the Systems Development Division (SDD).

The processing activities at the POs include encoding of the data from the edited survey returns, computerized editing, completeness check and generation of output tables.

The Cereals Statistics Section of the Central Office developed a MS Excel-based template for the review and consolidation of estimates at the provincial, regional and national level.

Data Appraisal

Estimates of Sampling Error

Not available

Other forms of Data Appraisal

Review is being done based on time series data and is further validated with concerned RDs and PSOs.