

Philippines - Palay and Corn Stocks Survey 2021

Philippine Statistics Authority (PSA)

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Overview

Identification

ID NUMBER

PHL-PSA-PCSS-2021-v1.0

Version

VERSION DESCRIPTION

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

PRODUCTION DATE

2022-07-11

Overview

ABSTRACT

The country's rice and corn stocks inventory are generated from three sectors, namely: household, commercial and government stocks. The household stocks are taken from the results of PCSS of the PSA. Effective February 2021, PSA generates the commercial stocks inventory from the results of Commercial Stocks Survey (CSS) as per Implementing Rules and Regulations (IRR) of R.A. No. 11203 known as "The Rice Tariffication Law (RTL)". Meanwhile, the government rice stocks are monitored from National Food Authority (NFA) warehouses/depositories. The PSA consolidates the stocks inventories from the three sectors which is disseminated monthly through a special release on Rice and Corn Stocks Inventory which is made available in the PSA website every 10th day of the month after the reference period.

The objective of the survey is to generate estimates of the monthly stocks inventory of rice and corn for the household sector.

KIND OF DATA

Sample survey data [ssd]

UNITS OF ANALYSIS

The survey's units of analysis are farming and non-farming households.

Scope

NOTES

The scope of the PCSS includes:

- Geographic Identification (Region, Province/District, Municipality/City, Barangay, Barangay Qualifier (Palay and Corn Brgy), Household Classification (Farming and Non-Farming), Enumeration Area and Household Serial Number)
- Sample Particulars (Name of Household Head, Name of Respondent, Contact Number of Respondent, Relationship to Household Head, Interview Record)
- Quantity of Palay/Rice Stocks Owned by the Household as of 6:00 A.M. of the 1st day of the Month, in Local Unit (Unit Used, Number of Units, Weight of One Unit)
- Quantity of Corn Grain/ Corn Grits (Yellow/White) Owned by the Household as of 6:00 A.M. of the 1st day of the 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

The survey covers all provinces except Batanes. The National Capital Region (NCR) is included in the survey and treated as one province/domain.

GEOGRAPHIC UNIT

Barangay

UNIVERSE

Farming and non-farming households

Producers and Sponsors

PRIMARY INVESTIGATOR(S)

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

FUNDING

Name	Abbreviation	Role
Government of the Philippines	GOP	Full funding

OTHER ACKNOWLEDGEMENTS

Name	Affiliation	Role

Metadata Production

METADATA PRODUCED BY

Name	Abbreviation	Affiliation	Role
Crops Statistics Division - Economic Sector Statistics Service	CSD-ESSS	Philippine Statistics Authority	Documenter

DATE OF METADATA PRODUCTION

2022-07-11

DDI DOCUMENT VERSION

Version 1.0

DDI DOCUMENT ID

DDI-PHL-PSA-PCSS-2021-v1.0.

Sampling

Sampling Procedure

The survey covers sample farming households and non-farming households from the sample barangays of the 2021 Palay Production Survey (PPS) and Corn Production Survey (CPS). This is conducted in all provinces except Batanes. The NCR is included in the survey and treated as one province/domain. In these surveys, the primary sampling units (PSUs) are the palay/corn producing barangays and secondary sampling units (SSUs) are the palay/corn farming households. The PSUs are selected using probability proportional to size while the SSUs are selected through systematic sampling.

For the PCSS non-farming households, five (5) non-farming households are selected for each sample barangay through right coverage approach.

In NCR, a two-stage sampling design is employed. Two sample barangays are selected using simple random sampling in each city/municipality. Five (5) sample households per barangay are selected randomly.

Weighting

The expansion factor of the PCSS is based on the number of farming and non-farming households 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. The questionnaire has two major parts- palay/rice and corn grain/corn grits stocks.

Data Collection

Data Collection Dates

Start	End	Cycle
2021-01-01	2021-01-04	January
2021-02-01	2021-02-04	February
2021-03-01	2021-03-04	March
2021-04-01	2021-04-04	April
2021-05-01	2021-05-04	May
2021-06-01	2021-06-04	June
2021-07-01	2021-07-04	July
2021-08-01	2021-08-04	August
2021-09-01	2021-09-04	September
2021-10-01	2021-10-04	October
2021-11-01	2021-11-04	November
2021-12-01	2021-12-04	December

Time Periods

Start	End	Cycle
2021-01-01		January
2021-02-01		February
2021-03-01		March
2021-04-01		April
2021-05-01		May
2021-06-01		June
2021-07-01		July
2021-08-01		August
2021-09-01		September
2021-10-01		October
2021-11-01		November
2021-12-01		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

The survey uses a structured questionnaire referred to as PCSS Form 1. The questionnaire has two major parts- palay/rice and corn grain/corn grits stocks.

Data Collectors

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

Supervision

Field supervision is undertaken by the Provincial Statistical Offices (PSOs) staff in their respective municipalities assignments. The Provincial Statistical Officer serves as overall supervisor in the province, while the Regional Director (RD) is the overall supervisor in the region. Central Office (CO) 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, conduct spotchecking and backchecking activities during and after the data collection, edit accomplished returns, address problems encountered by the SRs under his/her supervision and report to CO 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.

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 of data items based on the pre-set criteria, data ranges, completeness and consistency with other data items in the questionnaire. Thereafter, coding of alphanumeric codes for questionnaire items are performed to facilitate data entry.

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

In validation process, the encoded data are subjected to computerized editing using the customized editing program. The editing program takes into consideration the validation criteria such as validity, completeness and consistency with other data items. These activities are done to capture invalid entries that were overlooked during manual editing.

An error listing will be produced as output of the process. The errors reflected in the error list are verified vis-a-vis the questionnaires. The data files are then 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 CSPPro-based processing system developed by the Systems Development Division - Information Technology and Dissemination Service (SDD-ITDS).

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

The CSD-ESSS of PSA CO 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.