

Philippines - Palay and Corn Stocks Survey 2020

Philippine Statistics Authority

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Overview

Identification

ID NUMBER
PHL-PSA-PCSS-2020-v1.0

Version

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

PRODUCTION DATE
2022-01-26

Overview

ABSTRACT
The country's rice and corn stocks inventory are generated from three sectors, namely: household, commercial, and government rice stocks of National Food Authority (NFA). The household stocks are taken from the Palay and Corn Stocks Survey (PCSS) of the PSA, which covers farming and non-farming households nationwide. On the other hand, the commercial stocks are sourced from registered grains businessmen through the Commercial Stocks Survey (CSS), conducted by the NFA. Meanwhile, the government rice stocks are monitored from 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 on current stocks of rice and corn in farming and non-farming households.

KIND OF DATA
Sample survey data [ssd]

UNITS OF ANALYSIS
The survey has farming and non-farming households as units of analysis.

Scope

NOTES
The scope of the Palay and Corn Stocks Survey includes:

- Geographic Identification (Province, Municipality, Barangay, Replicate, Stratum and Household Classification (Farming and Non-Farming))
- Household Particulars (Name of Household Head, Name of Respondent, Relationship to Household Head)
- Interview Record (Date of Visit, Result of Visit/Reason, Summary of Visit)
- Quantity of Palay/Rice Owned by the Household as of 6:00 am 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 am 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 (1)

The survey covers all provinces except Batanes, cities of Zamboanga and Davao, 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 |
|------|-------------|------|
| | | |

Metadata Production

METADATA PRODUCED BY

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

DATE OF METADATA PRODUCTION

2022-01-26

DDI DOCUMENT VERSION

Version 1.0

DDI DOCUMENT ID

DDI-PHL-PSA-PCSS-2020-v1.0.

Sampling

Sampling Procedure

The PCSS covers sample farming households and non-farming households nationwide. Sample farming households are sub-sample of Palay Production Survey (PPS) and Corn Production Survey (CPS). 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 non-farming households, five non-farming households are selected for each barangay.

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. The questionnaire has two major parts- palay/rice and corn grain/corn grits stocks.

Data Collection

Data Collection Dates

| Start | End | Cycle |
|------------|------------|-----------|
| 2020-01-01 | 2020-01-04 | January |
| 2020-02-01 | 2020-02-04 | February |
| 2020-03-01 | 2020-03-04 | March |
| 2020-04-01 | 2020-04-04 | April |
| 2020-05-01 | 2020-05-04 | May |
| 2020-06-01 | 2020-06-04 | June |
| 2020-07-01 | 2020-07-04 | July |
| 2020-08-01 | 2020-08-04 | August |
| 2020-09-01 | 2020-09-04 | September |
| 2020-10-01 | 2020-10-04 | October |
| 2020-11-01 | 2020-11-04 | November |
| 2020-12-01 | 2020-12-04 | December |

Time Periods

| Start | End | Cycle |
|------------|-----|-----------|
| 2020-01-01 | | January |
| 2020-02-01 | | February |
| 2020-03-01 | | March |
| 2020-04-01 | | April |
| 2020-05-01 | | May |
| 2020-06-01 | | June |
| 2020-07-01 | | July |
| 2020-08-01 | | August |
| 2020-09-01 | | September |
| 2020-10-01 | | October |
| 2020-11-01 | | November |
| 2020-12-01 | | 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. 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 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 the 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 of data items based on the pre-set criteria, data ranges, completeness and consistency with other data items in the questionnaire. Thereafter, coding of alpha-numeric codes for questionnaire items are performed to facilitate data entry.

Data are processed in the PCSS data processing system developed using the Census Survey Processing System (CSPPro). The data processing is decentralized at the Provincial Offices 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 (Census and Survey Processing System) processing system developed 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 Crops Statistics Division of the Sectoral Statistics Office (SSO) of PSA Central Office developed an 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.