

Philippines - Farm Prices Survey 2009

Bureau of Agricultural Statistics (BAS)

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Overview

Identification

ID NUMBER
PHL-BAS-FPS-2009-v2.0

Version

VERSION DESCRIPTION
v2.0: Edited at Central Office-level, not anonymized, for internal use

PRODUCTION DATE
2010-02-05

Overview

ABSTRACT

Farm prices refer to the prices received by the farmers and livestock/poultry raisers for the sale of their produce at the first point of sale, regardless of whether these are sold at the farm or elsewhere. These prices are generated through the monthly Farm Prices Survey (FPS).

The survey on prices of agricultural commodities at the farm level has been a continuing activity of the Bureau of Agricultural Statistics (BAS) and its predecessor, Bureau of Agricultural Economics (BAEcon). It was started with the collection of prices received by farmers in 1957 by the then Division of Agricultural Economics of the Department of Agriculture and Natural Resources (DANR). Conceptually, these prices were deemed to represent the average prices received by farmers for the sale of their products of whatever grade or class at the point of first sale.

To ensure the effectiveness of the system of generating and delivering data on farm prices, the Bureau of Agricultural Statistics has been conducting assessment of the Farm Prices Survey methodology from time to time. The main purpose of the assessment is to improve the quality of the price information gathered at the farm level. The 1998 assessment provided inputs to the design of the current Farm Price Survey methodology.

KIND OF DATA
Sample survey data [ssd]

UNITS OF ANALYSIS
The survey has individual farmers/producers as unit of analysis.

Scope

NOTES

The scope of the Farm Prices Survey includes:

Farm Prices Received by Farmers for Crops

Farm Prices Received by Backyard Raisers of Cattle and Carabaos

Farm Prices Received by Backyard Raisers of Hogs (upgraded)

Farm Prices Received by Backyard Raisers of Goats

Farm Prices Received by Backyard and Commercial Raisers of Chicken and Chicken Eggs

Farm Prices Received by Backyard and Commercial Raisers of Ducks and Duck Eggs

Farm Prices Paid by Farmers for Pesticides

TOPICS

Topic	Vocabulary	URI
agricultural, forestry and rural industry [2.1]	CESSDA	http://www.nesstar.org/rdf/common

KEYWORDS

Farm Prices

Coverage

GEOGRAPHIC COVERAGE

National coverage

GEOGRAPHIC UNIT

The lowest level of geographic aggregation covered by the data is the province.

UNIVERSE

All prices received by farmers for agricultural commodities including crops, livestock, poultry and prices paid for farm chemicals

Producers and Sponsors

PRIMARY INVESTIGATOR(S)

Name	Affiliation
Bureau of Agricultural Statistics (BAS)	Department of Agriculture (DA)

FUNDING

Name	Abbreviation	Role
Bureau of Agricultural Statistics	BAS	

Metadata Production

METADATA PRODUCED BY

Name	Abbreviation	Affiliation	Role
Maydalyn G. Eustaquio	MGE	Bureau of Agricultural Statistics	Documenter

DATE OF METADATA PRODUCTION

2009-08-31

DDI DOCUMENT VERSION

Version 1.0 (August 2009)

DDI DOCUMENT ID

DDI-PHL-BAS-FPS-2009-v1.0

Sampling

Sampling Procedure

Commodities to be monitored by province are pre-determined based on four (4) criteria, namely: major produce of the province in terms of volume of production; priority crop of the province; national commodity and with the province being one of the major producers; and one of the commodities monitored for the Producers' Price Index (PPI). Determination of the agricultural commodities to be monitored for farm prices shall be done at the Provincial Operations Centers (POCs) and shall be submitted to the Central Office for information and approval.

For crops and backyard livestock and poultry, the farm prices survey utilizes a two-stage sampling procedure with the province as the domain.

The first stage sampling unit is the municipality. It consists of the top five (5) producing municipalities per commodity per province. Selection of these municipalities is done monthly on the assumption that they could change every month for each crop.

The second stage sampling unit is the farmer or livestock/poultry raiser who traded the commodities during the reference period. In each sample municipality, at least five (5) sample farmers or raisers are chosen purposively and interviewed. This two-stage procedure gives the total number of respondents for farm prices survey at 25 per commodity per province.

When less than five (5) municipalities are identified for farm prices survey during the month, the number of samples per municipality is increased to get a provincial total of 25. In the allocation of the number of samples in the municipalities selected, the volume of production and trading during the reference period is considered.

For livestock and poultry commercial farms, the samples are randomly selected from the Commercial Livestock and Poultry Survey (CLPS) master list of establishments for each animal type. Samples are stratified according to the maximum capacity of the farm. Four (4) strata are required to give a total of eight (8) samples for the province. If there are less than four (4) strata in the province, the number of samples per stratum are increased proportionately to get a provincial total of eight (8). In case the total number of farms for each poultry item is less than eight (8), complete enumeration is done.

Respondents for Farm Prices Survey component on pesticides are the dealers of agricultural inputs in the five major crop producing municipalities and in the provincial capital or trading center. Sample dealers of inputs are those most patronized by farmers. One dealer per municipality will be interviewed. In addition, the three (3) major pesticide dealers in the provincial capital or trading center shall be considered as samples. The maximum number of samples per province is eight (8).

Questionnaires

Overview

There are seven (7) forms to be used in the Farm Prices Survey, namely:

FPS Form 1 - Collection Form for Farm Prices Received by Farmers for Crops

FPS Form 2 - Collection Form for Farm Prices Received by Backyard Raisers of Cattle and Carabaos

FPS Form 3 - Collection Form for Farm Prices Received by Backyard Raisers of Hogs (upgraded)

FPS Form 4 - Collection Form for Farm Prices Received by Backyard Raisers of Goats

FPS Form 5 - Collection Form for Farm Prices Received by Backyard and Commercial Raisers of Chicken and Chicken Eggs

FPS Form 6 - Collection Form for Farm Prices Received by Backyard and Commercial Raisers of Ducks and Duck Eggs

FPS Form 8 - Collection Form for Farm Prices Paid by Farmers for Pesticides

FPS Form 1-6 and 8 are survey questionnaires. These have been approved by the National Statistical Coordination Board (NSCB) with the corresponding approval numbers indicated on the right side of the upper portions of the questionnaires.

Data Collection

Data Collection Dates

Start	End	Cycle
2009-01-22	2009-01-31	January 2009 Round
2009-02-19	2009-02-28	February 2009 Round
2009-03-22	2009-03-31	March 2009 Round
2009-04-21	2009-04-30	April 2009 Round
2009-05-22	2009-05-31	May 2009 Round
2009-06-21	2009-06-30	June 2009 Round
2009-07-22	2009-07-31	July 2009 Round
2009-08-22	2009-08-31	August 2009 Round
2009-09-21	2009-09-30	September 2009 Round
2009-10-22	2009-10-31	October 2009 Round
2009-11-21	2009-11-30	November 2009 Round
2009-12-22	2009-12-31	December 2009 Round

Data Collection Mode

Face-to-face [f2f]

Data Collection Notes

Collection of data is done monthly, during the last 10 days of the month. The reference period is the whole of the reporting month, where only the latest transaction is recorded.

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Data Collectors

Name	Abbreviation	Affiliation
Bureau of Agricultural Statistics	BAS	Department of Agriculture

Supervision

The Provincial Agricultural Statistics Officer (PASO) supervises the conduct of survey activities which include sample selection and review of price reports vis-a-vis Farm Prices Survey (FPS) basket and trading schedules.

Data Processing

Data Editing

Accomplished Farm Prices Survey questionnaires are being subject to manual editing and coding by Operations Centers staff as data collector and Provincial Agricultural Statistics Officer as supervisor.

Editing, encoding and generation of monthly provincial reports are done in the Provincial Operations Centers (POCs). Prior to encoding, the accomplished questionnaires are manually edited for validity and consistency. The data files undergo validation using an editing program based on pre-set validation criteria such as consistency check, range check and acceptability and validity of data.

Other Processing

Decentralized processing of survey returns is done for the Farm Prices Survey (FPS) where a customized IMPS-based program is installed in every POC. The clean data will then serve as input to the tabulation programs to come up with the monthly provincial reports. These reports, together with the clean data, are submitted to the BAS - Central Office in soft and hard copies on or before the 15th of the month following the reference month. As soon as the consolidation of provincial reports is done for the national/commodity level, the outputs are then integrated to the existing database ready for access by both internal and external data users.

In case of computer breakdowns, manual processing is done at the POCs to arrive at the provincial average monthly prices.

The estimation of provincial prices uses quantity sold (from survey data) as weights, while regional and national average prices uses production (from non-FPS data) as weights. The regional and national production data are shown in (...state document title here...) in the Technical Documents.

Data Appraisal

Estimates of Sampling Error

Not applicable for crops and livestock and poultry backyard farms.
Not computed for livestock and poultry commercial farms, and pesticides.

Other forms of Data Appraisal

Data review for farm prices is undertaken at the POCs every month and at the regional and national level every quarter. Since 2001, the review of farm prices had been included in the regional quarterly data reviews alongside with production statistics. Farm price data are reviewed against consistency with basket and trading matrix, consistency with trends, abrupt changes and trends/levels relative to wholesale and retail prices.