

# TECHNICAL NOTES

## Regional Value of Production in Agriculture and Fisheries

### I. The Introduction

The Regional Value of Production in Agriculture and Fisheries (formerly known as Regional Agricultural Production Accounts) report presents the value of agriculture and fisheries in the 16 regions of the country. The value of production is at constant 2018 prices and at current prices. The valuation is also done for the sub-commodity group (crops, livestock, poultry, and fisheries) and commodity. These serve as inputs in the estimation of Gross Value Added (GVA) in agriculture and fishing at the regional level.

The regional value of production in agriculture and fisheries covers all agricultural commodities, highlighting selected commodities that vary across regions. For crops, 22 commodities are highlighted in each region. In the case of fisheries, 20 commodities are highlighted in all the regions except for CAR which only covered nine (9) commodities. Meanwhile, all commodities included in the livestock and poultry data system were highlighted in the regions.

### II. Data Sources

The generation of the regional value of production requires data on volume of production and farmgate prices. These data are sourced from the following PSA surveys and administrative-based records from other government agencies:

Variable	Source
1. Volume of Production by commodity	
a. Crops	Palay Production Survey (PPS)
	Corn Production Survey (CPS)
	Crops Production Survey (CrPS)
b. Livestock and Poultry by commodity	Backyard Livestock and Poultry Survey (BLPS)
	Commercial Livestock and Poultry Survey (CLPS)
c. Fisheries	Quarterly Municipal Fisheries Survey (QMFS)
	Quarterly Inland Fisheries Survey (QIFS)
	Quarterly Commercial Fisheries Survey (QCFS)
	Quarterly Aquaculture Survey (QAqS)
2. Farmgate Prices	
a. Crops	Farm Prices Survey (FPS)
b. Livestock and Poultry	BLPS and CLPS
c. Fisheries	QMFS

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	QIFS
	QCFS
	QAqS
3. Administrative Data	
a. Volume of Production of Centrifugal Sugar and Raw Sugar	Sugar Regulatory Administration (SRA)
b. Number of Slaughtered/Dressed Animals	National Meat Inspection Service (NMIS)
c. Number of Slaughtered/Dressed Animals	Local Government Units (LGUs)
d. Volume and Value of Commercial Fish Unloadings	Philippine Fisheries Development Authority (PFDA), Local Government Units (LGUs) and Privately Managed Landing Centers
e. Volume and Value of Municipal Fish Unloadings	Philippine Fisheries Development Authority (PFDA) and Local Government Units (LGUs)

### III. Methodology

The valuation of agricultural production by region for the reference year is prepared annually. It is done as follows:

#### At Constant 2018 Prices

Valuation at constant prices is done by multiplying the volume of production of each commodity by the 2018 average farmgate price.

Formula:

$$VP_o = Q_t \times FGP_o$$

Where:

$VP_o$  = Value of production at constant prices;

$Q_t$  = Volume of production for the current period; and

$FGP_o$  = Farmgate price at constant 2018 prices

#### At Current Prices

Valuation at current prices is done by multiplying the volume of production of each commodity by the average farmgate price during the reference year.

Formula:

$$VP_t = Q_t \times FGP_t$$

Where:

$VP_t$  = Value of production at current prices;

$Q_t$  = Volume of production for the current period; and

$FGP_t$  = Farmgate price at current prices

The average prices of corn, coconut, banana, mango, tobacco, coffee and onion are weighted using varietal classification, while cassava price is weighted by its use (i.e. food and industrial).

The value of sugarcane production is computed using the national average farmgate price.

To harmonize the product form of coffee for the volume of production and price, conversion is made for the price. The farmgate price of dried coffee beans is multiplied by 60 percent (FAO's conversion factor from dried coffee beans to dried coffee berries<sup>1</sup>) to derive the farmgate price of coffee dried berries.

In the case of "other crops", a set of indicator commodities for each region was established. These indicator commodities are used to get the weighted price for "other crops". It is derived by dividing total value of production by the total volume of production of the indicator commodities. This weighted price is used in computing the value of "other crops" production.

The prices of livestock and poultry are weighted using the type of farm (i.e., commercial and backyard).

In cases where farmgate prices are not available for some commodities in the regions, values are computed using the annual national average farmgate prices.

For fisheries commodities, the prices are derived from the value of production at current prices divided by the volume of production of the reference year.

Valuation by major island group is done by adding all the values of production of the regions belonging to the same island grouping.

## IV. Concepts and Definition of Terms

**Value of Production at Constant Prices** - refers to valuation of transactions, wherein the influence of price changes from the base year to the current year has been removed.

<sup>1</sup> Joackim Mutua, Young Professional. (December 2000). *Postharvest Handling and Processing of Coffee in African Countries*. Rome: Food and Agriculture Organization of the United Nations.

**Value of Production at Current Prices** - is the value based on prices during the reference year.

## V. Dissemination of Results

The Regional Value of Production in Agriculture and Fisheries report is being released annually in the PSA website.

Title	Schedule of Release
Regional Agricultural Production Accounts	One (1) day before the release of Gross Regional Domestic Product

Press release, statistical tables, infographics, and publication report are included in the web release.

## VI. Citation

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## VII. Contact Information

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