

## TECHNICAL NOTES

The Value of Production in Agriculture and Fisheries represents the state of agriculture and fisheries during a particular period. The value of production is at constant 2018 prices. Valuation is also performed by commodity groups (crops, livestock, poultry, and fisheries). These serve as inputs for the estimation of gross value-added (GVA) in agriculture and fishing. The value of production in agriculture and fisheries covers all agricultural commodities, highlighting 23 commodities for crops, four commodities for livestock and poultry, and 21 commodities for fisheries.

### Sources of Basic Data

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

Variable	Source
1. Volume of Production	
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) Palay Production Survey (PPS)
b. Livestock and Poultry	BLPS CLPS
c. Fisheries	QMFS
	QIFS
	QCFS
	QAqS
3. Administrative Data	
a. Dairy Production and Price for Goat and Cattle	National Dairy Authority (NDA)
b. Dairy Production and Price for Carabao	Philippine Carabao Center (PCC)
c. Volume and Value of Commercial Fish Unloadings	Philippine Fisheries Development Authority (PFDA), Local Government Units (LGUs), and Privately Managed Landing Centers
d. Volume and Value of Municipal Fish Unloadings	PFDA and LGUs

## Estimation Procedure

- The valuation of agriculture and fishery production is prepared quarterly. 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:

$$VPo = Qt \times FGPO$$

where:

*VPo* = Value of production at constant prices;

*Qt* = Volume of production for the current period; and

*FGPO* = Farmgate price at constant 2018 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).
- In the case of "other crops", a set of indicator commodities was established. These indicator commodities are used to get the weighted price for "other crops". It is derived by dividing the 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).
- For fishery commodities, the prices are derived from the value of production at current prices divided by the volume of production in the reference year.

## Definitions

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

  
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