

# Philippines - Quarterly Aquaculture Survey 2016

**Philippine Statistics Authority (PSA)**

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# Overview

## Identification

### ID NUMBER

PHL\_2016\_QAS\_v01\_EN\_M\_v01\_A\_OCS

## Overview

### ABSTRACT

Aquaculture fisheries is one of the three (3) sectors of fisheries, the others being commercial and municipal fisheries. Aquaculture fisheries cover different aquafarm types and environments, namely: a) Brackish water and fresh water fishpond; b) Brackish water, fresh water and marine pen and cage; c) Oyster, mussel and seaweed and; d) Other freshwater aquafarms like rice fish, small farm reservoir, etc.

The Quarterly Aquaculture Survey (QAS) is a quarterly survey that generates aquaculture production and area estimates. It asks for the actual level of production, area harvested and price for each species during the reference quarter of the current and previous year from the sample operators in the top producing municipalities. Fisheries outputs form part of the estimation for the performance of agriculture and eventually, of the national accounts for the generation of Gross Value Added (GVA), Gross National Product (GNP) and Gross Domestic Product (GDP).

The Quarterly Aquaculture Surveys (QAS) aims to generate accurate and timely information on quarterly production, area and price by aquafarm type and species at the provincial level.

### KIND OF DATA

Sample survey data [ssd]

### UNITS OF ANALYSIS

Enterprises

## Scope

### NOTES

The description of the survey includes production, area harvested and price by species of each aquafarm type. The information are asked during the current quarter and the same quarter of the previous year.

### TOPICS

Topic	Vocabulary	URI
Economic statistics/Sectoral/Fishery	Philippine Statistics Authority	

## Coverage

### GEOGRAPHIC COVERAGE

National coverage

### UNIVERSE

All aquafarms nationwide covering the following aquafarm type/environments:

- a. Brackish water and fresh water fishpond
- b. Brackish water, fresh water and marine pen and cage

c. Oyster, mussel and seaweed

d. Other fresh water aquafarms like rice fish, small farm reservoir, etc.

## 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

## Metadata Production

### METADATA PRODUCED BY

Name	Abbreviation	Affiliation	Role
Office of the Chief Statistician	OCS	Food and Agriculture Organization	Metadata adapted for FAM
Fisheries Statistics Division	FSD	Philippine Statistics Authority	Documentation of the study

### DDI DOCUMENT VERSION

PHL\_2016\_QAS\_v01\_EN\_M\_v01\_A\_OCS\_v01

### DDI DOCUMENT ID

DDI\_PHL\_2016\_QAS\_v01\_EN\_M\_v01\_A\_OCS\_FAO

## Sampling

### Sampling Procedure

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The Quarterly Aquaculture Survey (QAqS) is a non-probability survey. Sampling was done by aquafarm type in the province. By aquafarm type, top producing municipalities are those with cumulative share of at least 80% to total area based on Aquaculture Farms Inventory (AqFI).

For each municipality, eight (8) sample aquafarms are selected if the number of aquafarms in the municipality is more than 25. If the number of aquafarms is less than 25, five (5) sample aquafarms are selected. A total of 6662 sample aquafarms were covered nationwide.

### Response Rate

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Response rate for quarterly aquaculture survey was 73%. This accounted for farms in operation and those without harvest during the reference period.

### Weighting

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This is a non-probability survey. As such, no weighing procedure is applied.

## Questionnaires

No content available

## Data Collection

### Data Collection Dates

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Start	End	Cycle
2016-03-21	2016-03-25	Quarter 1
2016-06-20	2016-06-24	Quarter 2
2016-09-19	2016-09-23	Quarter 3
2016-11-21	2016-11-25	Quarter 4

### Data Collection Mode

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Face-to-face paper [f2f]

## Data Processing

### Data Editing

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Initially, the data is manually edited to ensure completeness and accuracy. During this stage, questionnaires are checked for completeness from the list of samples. For each of the questionnaires, entries should be complete and numeric entries are in proper unit of measurement and decimal places. After encoding, the entries are then again inspected and reviewed for completeness, accuracy and consistency with other items.

An Aquaculture Data Generation System (AquaDataGen) was developed using MS Excel 2013 for the data processing requirements of QAS. This system is decentralized in the provinces but regional and national summary can also be derived. The AquaDataGen has the facility for data entry, data review and validation.

Since the survey was done through interviews of key informants, validation of responses is needed. Additional information was gathered from interviews of people from government and non-government agencies and offices and other stakeholders in fisheries, for example, fish/seaweed traders and processors. Use of auxiliary information was also one way of validating data generated by the survey. Example of these are the programs of the Bureau of Fisheries and Aquatic Resources for uplifting the aquaculture sector, record of weather disturbances and provinces affected, and, existing fishery laws. Comparing current estimates with the time series data (aquaculture) was also one way of appraising survey results.

## Data Appraisal

No content available