

Philippines - Aquaculture Production Survey 2009

Bureau of Agricultural Statistics (BAS)

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Overview

Identification

ID NUMBER

PHL_2009_APS_v01_EN_M_v01_A_OCS

Overview

ABSTRACT

In carrying out its responsibility of generating statistics on volume and value of aquaculture production, the Fisheries Statistics Division (FSD) of the Bureau of Agricultural Statistics (BAS) conducts probability and non-probability surveys. The Quarterly Aquaculture Surveys (QAS) is the non-probability survey conducted on a regular basis. The survey design involves computing for the average percent change from the same quarter last year reported by the sample respondents and then applying the same to the provincial level same quarter last year estimate in order to derive the estimate for the current quarter. The samples are taken from 5 X 5 sampling design, i.e., five (5) sample operators from top five (5) producing municipalities. On the other hand, Aquaculture Production Survey (APS) generates the production estimates based on one-stage stratified sampling design. Unfortunately, this probability survey is not financially sustainable on a quarterly basis. It should be noted that estimates from the probability survey are intended as baseline data for computing the percent changes derived from non-probability survey. Although quarterly estimates are subjected to a series of data review and analysis before final estimates are released, it is imperative to determine the levels of production estimates through a periodic probability survey.

Primarily, the Aquaculture Production Survey (APS) aims to generate statistics on volume and value of aquaculture production by province. Specifically, it aims to gather information on:

- a. Volume and value of production by species cultured, by aquafarm type and by environment,
- b. Area harvested; and
- c. Management and culture system of the aquafarm.

KIND OF DATA

Sample survey data [ssd]

UNITS OF ANALYSIS

Enterprises

Scope

NOTES

The survey form gathers information on the following:

1. Aquafarm Information: Aquafarm area, aquafarm type, environment, management system and culture system.
2. Production Information: Species, quantity stocked, area harvested, production and price.

Coverage

GEOGRAPHIC COVERAGE

National Coverage

UNIVERSE

The survey covered all aquafarm types.

Producers and Sponsors

PRIMARY INVESTIGATOR(S)

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

FUNDING

Name	Abbreviation	Role
Bureau of Fisheries and Aquatic Resources	BFAR	Provides funds for the conduct of fisheries surveys

Metadata Production

METADATA PRODUCED BY

Name	Abbreviation	Affiliation	Role
Office of the Chief Statistician	OCS	Food and Agriculture Organization	Metadata adapted for FAM
Reinelda P. Adriano	RPA	Bureau of Agricultural Statistics	Documentation of the study

DDI DOCUMENT VERSION

PHL_2009_APS_v01_EN_M_v01_A_OCS_v01

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Sampling

Sampling Procedure

The APS adopted a one-stage stratified sampling design. By aquafarm type, all operators from municipalities with at least 80% cumulative share to total aquafarm area were stratified into three (3) strata using area as the stratification variable. The boundary between strata was determined by the distribution of data. If the number of aquafarms in a stratum is less than or equal to fifteen (15), all aquafarms were taken as a sample. Sample aquafarms were selected through systematic random sampling procedure.

Deviations from Sample Design

A slight modification in the sampling design was employed. For this survey round, sample aquafarms were selected only from the municipalities with at least 80% cumulative share to provincial area. This was done to simplify field operations and ensure that sample aquafarms from these municipalities were more or less productive.

Weighting

Aquafarm weights were computed as the quotient of total number of aquafarms and number of sample aquafarms in the stratum.

Questionnaires

No content available

Data Collection

Data Collection Dates

Start	End	Cycle
2009-11-30	2009-12-11	4th Quarter

Data Collection Mode

Face-to-face paper [f2f]

Data Processing

Data Editing

Initially, the survey returns were manually edited to ensure completeness and accuracy. During this stage, survey returns are checked for completeness from the list of samples. For each of the questionnaires, entries should be complete and numeric entries should be 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 APS data processing work sheet was developed using MS Excel 2003 to process the APS survey returns. The results were then encoded in the Aquaculture Data Generation System (AquaDataGen). The AquaDataGen was developed for the data processing requirements of Quarterly Aquaculture Survey (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.

Data Appraisal

No content available