

Philippines - Avian Population Survey in the Philippines 2006

Bureau of Agricultural (BAS)

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Overview

Identification

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PHL-BAS-APS-2006-v1.0

Version

VERSION DESCRIPTION
V1.0

PRODUCTION DATE
2006-09

Overview

ABSTRACT

The response of the Philippine Government to the global threat of bird flu has been remarkable. The country, with all the concerted efforts of both private and government sectors, has maintained its "AVIAN FREE" status up to the present, while even the first world countries, despite the significant efforts to protect themselves have failed. As part of the country's preparedness program on the impending threat of AVIAN FLU, a survey was undertaken to generate benchmark avian population count by type of farm, by barangay. The Bureau of Agricultural Statistics (BAS), in collaboration with the Bureau of Animal Industry (BAI), DA-Regional Field Units (RFUs) and Local Government Units (LGUs) conducted the Avian Population Survey (APS). The survey collected information on inventory of chicken, duck, other poultry and birds by classification, by farm type, number of commercial farms and housing capacity. Key Informant approach was used in generating the above information nationwide. The information generated gave the BAI a spatial dimension of the country's avian population. The said undertaking gave us a clear scope of population at risk, on the smallest geographical unit possible, the barangay. Response to any eventualities will be more direct and efficient in the presence of data on avian population by barangay.

We will also be well equipped in decision making both in disease control and in trade if we will be able to see the accurate and detailed distribution of population of our poultry in the country.

The BAS and other DA agencies that participated in this activity hoped that the outputs of this survey can provide the planners, policy makers, farmers and other stakeholders with relevant information details regarding poultry population in the country.

KIND OF DATA
Census/enumeration data [cen]

UNITS OF ANALYSIS
Household and farm within the barangay with at least one type of poultry or avian species.

Scope

NOTES

All barangays in the 81 provinces including NCR/Metro Manila were covered in this survey. The information gathered include the population data on the following types of poultry:

Chiken: Native; Broiler; Layer; and Gamefowls

Ducks: Mallard; Muscovy

Other Poultry: Quails; Turkey; Geese; Ostrich; and Peacock

Birds: Dove/Pigeon; eagle; Myna; Pet birds; Others

TOPICS

Topic	Vocabulary	URI
Avian Inventory		

Coverage

GEOGRAPHIC COVERAGE

National coverage

GEOGRAPHIC UNIT

Barangay level

UNIVERSE

Households and farms in the barangay raising poultry and/or other avian species.

Producers and Sponsors

PRIMARY INVESTIGATOR(S)

Name	Affiliation
Bureau of Agricultural (BAS)	Department of Agriculture

OTHER PRODUCER(S)

Name	Affiliation	Role
Regional Field Units	Department of Agriculture	
Local Government Units	Department of Interior and Local Government	

FUNDING

Name	Abbreviation	Role
Bureau of Agricultural Statistics	BAS	
Livestock Development Council	LDC	

OTHER ACKNOWLEDGEMENTS

Name	Affiliation	Role
Bureau of Animal Industry (BAI)	Department of Agriculture	

Metadata Production

METADATA PRODUCED BY

Name	Abbreviation	Affiliation	Role
Elizabeth B. Cabrera	EBC	Bureau of Agricultural Statistics	Documentor
Gaye A. Parcon	GAP	ADP-Asia	Reviewer

DATE OF METADATA PRODUCTION

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DDI DOCUMENT VERSION
Version 1.0 (August 2009)

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Sampling

Sampling Procedure

Not applicable

Deviations from Sample Design

Not applicable.

Response Rate

Not applicable.

Weighting

Not applicable.

Questionnaires

Overview

There are two sets of questionnaires used in the survey:

1. Avian Population Survey Form #1 or APS Form #1 (for backyard and commercial poultry farms).
2. Avian Population Survey Form #2 or APS Form # 2 (Listings of Poultry Establishment).

Form #1

Block A - Barangay Identification: This block accounts for the geographic information about the barangay together with the key informants and their corresponding designations.

Block B - Farm Information: This block asks for the inventory of poultry on all backyard and commercial farms within the barangay as of the reference date. Farms located outside the barangay are excluded even if the owner or operator lives within the barangay. Include inventory of government and non-government-owned farms within the barangay.

Form #2

Block A - Barangay Identification: This block accounts for the geographic information about the barangay together with the key informants and their corresponding designations. this block also asks for the name of establishment, type of establishment, its exact address or location, and the name of the contact person.

Data Collection

Data Collection Dates

Start	End	Cycle
2006-07-01	2006-07-31	N/A

Data Collection Mode

Other [oth] - Key informants

Data Collection Notes

One way of generating data other than direct interview of target respondents is to identify and interview key informants. These key informants are selected group of community leaders, influential persons and experts who are knowledgeable and could provide information to trace another key informant or direct respondents. This approach has been adopted in the Avian Population Survey (APS). In this case, the respondents were the barangay chairmen, livestock handlers, barangay livestock technicians, Municipal Agricultural Officers (MAOs), meat inspectors, and members of poultry associations. The "key informant" approach was used in conjunction with the snowball approach. The snowball approach is based on the premise that members of the rare population (in this case the poultry raisers) know one another.

The first level training was held in the BAS Central Office. This was participated by the project team members from BAS, BAI and LDC. The participants of this training served as the trainers in the second level trainer's training which was conducted in the Regional Field Units (RFUs). The team comprising the participants of the second level training were the technical staff and field coordinators from BAS, DA-RFUs and LGUs. This group served as trainers or resource persons in the third level training. The third level training was participated by the field data collectors and by BAS field staff who served as field supervisors.

The key informants were interviewed on the existing inventory of poultry and other types of birds in the barangay, both in backyard and commercial farms. The number of commercial farms and housing capacity by poultry type were covered in the survey. A listing of all poultry related establishment was also included in this activity.

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Data Collectors

Name	Abbreviation	Affiliation
Bureau of Agricultural Statistics	BAS	Department of Agriculture
Regional Field Unit Staff	RFUs	Department of Agriculture
Local Government Units	LGUs	Department of Interior and Local Government

Supervision

The field data collection including the pre-survey training have been facilitated and supervised by the following:

1. Regional Agricultural Statistics Officers (RASOs) for BAS Provincial Operations Centers (POC)
2. Provincial Agricultural Statistics Officers (PASOs) for BAS' data collectors
3. Provincial/City Veterinarian and Regional Artificial Insemination (AI) Coordinators for the Regional Field Units' staff.

Data Processing

Data Editing

Manual Editing:

After the data collector has reviewed and completely filled up all the items in the questionnaires, these were submitted to the POCs which forwarded the same to ROC for regional consolidation then to BAS Central Office for national consolidation. The survey questionnaires went through verification and manual editing to see if the data collected were consistent with the requirements in the editing guidelines which was provided by the BAS.

Other Processing

Electronic data processing:

The Provincial Processing Officers (PPOs) of BAS were responsible in data coding, encoding, electronic data cleaning and generation of systems generated outputs by barangay, municipality and province. The provincial outputs were submitted to the Regional Processing Officers (RPOs) of BAS to come up with the regional estimates.

Data Appraisal

Estimates of Sampling Error

Not applicable.