

MANUAL OF OPERATIONS

COMMERCIAL LIVESTOCK AND POULTRY SURVEY (CLPS)



REPUBLIC OF THE PHILIPPINES
PHILIPPINE STATISTICS AUTHORITY

2016

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1 INTRODUCTION

The Republic of the Philippines is making great efforts to develop agriculture at a pace necessary to meet the food requirements of the fast growing population. It has become necessary to use current agricultural statistics that will help present an accurate picture of the country's food situation. Especially important are the expected supply and consumption requirements of the people, particularly of meat products. The Commercial Livestock and Poultry Survey (CLPS) aims to provide an estimate of the current supply and disposition practices for commercial livestock and poultry in the country.

The data to be obtained from this survey would not only be important from the point of view of the national economy but also from that of the farmer. The government should have available accurate information with which to anchor its major agriculture policy decisions, of which the farmers are the ultimate beneficiaries. For instance, a decision on whether to import or export livestock and poultry products has its effects not only on the national economy but also on the individual farmer. Such national decision will directly affect the raising and trading decisions of livestock and poultry raisers in the country.

1.1. SPECIFIC OBJECTIVES

The survey aims to generate information on the following:

1. Number of livestock and poultry received/placed in the farm;
2. Disposition of livestock and poultry by intention and by area of destination;
3. Current egg production, disposition and destination for duck and chicken; and
4. Average weight per head of livestock/poultry disposed.

2 SAMPLING METHODOLOGY

2.1 SAMPLING FRAME

For carabao, cattle, goat, and duck: Sampling frames were based on the results of the October 1992 Livestock and Poultry Establishment Survey (LPES) - In 1994 and 1997, the 2nd and 3rd LPES for layer, broiler and swine were conducted, respectively. In 2004 BAS under its frame management system, undertook an updating activity for commercial farm for swine. In 1997 the frame for duck was updated in producing provinces namely: Bulacan, Nueva Ecija, Pampanga, Tarlac, Isabela, Laguna, Rizal, and Albay.

In 2006 and 2010, comprehensive frame updating or listing activities were conducted under two (2) nationwide surveys called the Avian Population Survey (APS) and, the Livestock Population Survey (LPS) respectively. The two (2) surveys generated

data on the number of household raisers from backyard farms and list of commercial farms in the country.

Today, the then BAS, now PSA (Philippine Statistics Authority) maintains a frame management system through which updating and maintenance of sampling frame are done. For CLPS, the sampling frame is updated and maintained at the Livestock and Poultry Statistics Division (LPSD) of the Economic Sector Statistics Services (ESS) based on the submitted updated list of commercial farms by the Provincial Statistical Office (PSO's) every survey round.

2.2 SAMPLING DESIGN

The domain of the survey is the province. All farms or farm establishments in the province constitute the frame for the province.

The sampling design depends on the number of farms and the corresponding maximum housing capacities of the farms in the province. In provinces with 20 farms or below, all the farms are completely enumerated. Provinces however, with large number of farms or those with 21 or more farms/farm establishments, stratification is applied using Dalenius Hodges method with the maximum housing capacity as the stratification variable. The number of strata per province ranges from 2 to 4 depending on the population or on the heterogeneity or homogeneity of the stratification variable. Sample allocation for each stratum is done using the Neyman procedure with coefficient of variation set at 5%. A minimum of 5 samples per stratum is allocated, i.e., if the computed allocated sample size for a stratum is less than 5, 5 samples are taken from the stratum. A stratum may have less than 5 samples only if the total number of farms in that stratum is less than 5. Selection of samples from each stratum is done using simple random sampling.

The sampling procedure is as follows:

1. Ranking of the farms in ascending order according to their maximum housing capacity;
2. Delineating the stratum boundaries using Dalenius-Hodges method (Unique stratum boundaries are derived for each province);
3. Determining the total number of commercial animal farms per stratum;
4. Allocating sample size for each stratum using Neyman procedure (A five percent coefficient of variation (5% cv) is assumed and a minimum of five (5) samples are taken when $N_h \geq 5$); and
5. Selecting the required number of sample farms using simple random sampling.

2.3 ESTIMATION PROCEDURE

2.3.1 Provincial Estimates

The estimate for each of the provinces covered in the survey is obtained differently for those provinces which are completely enumerated and those which are sampled. Provincial totals for the completely enumerated are obtained simply by summing up all the observations in the province such as:

$$X_{p'} = \sum_{c=1}^{N_{p'}} X_{p'.c} + X_{p'.m}$$

where:

$$X_{p'.m} = \sum_{j=1}^{N_{p'.m}} X_{p'.mj}$$

$X_{p'.mj}$ = observation for the j^{th} farm located in the province p' but gathered from its Metro Manila (MM) office

$X_{p'.c}$ = observation from the c^{th} farm in the province p'

$N_{p'.m}$ = total number of farms located in the province p' but whose information are gathered from its MM office

$N_{p'}$ = total number of farms in the province p'

$X_{p'.m}$ = total for all those farms located in the province p' but whose information are gathered from its MM office

$X_{p'}$ = total for the province p'

It shall be noted that p' is used to designate a "complete enumeration" province.

The total for Metro Manila includes observation from all farms located in Metro Manila only. Farms located in the province outside of MM but whose data are gathered from its MM office shall be accounted in the province where the farm is actually located.

For the sampled provinces, the estimated provincial total is obtained simply by aggregating all the stratum estimates in the province. Hence, the estimate of total for the p^{th} province is given by

$$\hat{X}_p = \sum_{s=1}^H \hat{x}_{ps}$$

where:

$$\hat{x}_{ps} = \frac{N_{ps}}{n_{ps}} \sum_{i=1}^{n_{ps}} x_{psi}$$

x_{psi} = observation from the i^{th} sample farm belonging to the s^{th} stratum in the p^{th} province

\hat{x}_{ps} = unbiased estimated total of the s^{th} stratum in the p^{th} province

N_{ps} = total number of farms in the s^{th} stratum of the p^{th} province

n_{ps} = number of sample farms belonging to the s^{th} stratum in the p^{th} province

H = number of strata in the p^{th} province

\hat{X}_p = estimated total for the p^{th} province

A measure of accuracy of the estimated provincial total is given by the variance formula,

$$\text{var}(\hat{X}_p) = \sum_{s=1}^H N_{ps}^2 \text{var}(\hat{x}_{ps})$$

where:

$$\text{var}(\hat{x}_{ps}) = \left[1 - \frac{n_{ps}}{N_{ps}} \right] \frac{\sum_{i=1}^{n_{ps}} (x_{psi} - \hat{x}_{ps})^2}{n_{ps} (n_{ps} - 1)}$$

where:

$$\hat{x}_{ps} = \frac{1}{n_{ps}} \sum_{i=1}^{n_{ps}} x_{psi}$$

$\hat{\text{var}}(\hat{x}_{ps})$ = estimated variance of the estimated total of the s^{th} stratum in the p^{th} province

$\hat{\text{var}}(\hat{x}_p)$ = estimated variance of the estimated total for the p^{th} province

and \hat{x}_{psi} , n_{ps} , N_{ps} , H , \hat{x}_{ps} , and \hat{x}_p are those defined in preceding pages.

3 DATA COLLECTION METHODOLOGY

3.1 FREQUENCY OF DATA COLLECTION

Data collection for swine, layer and broiler farms will be done quarterly while duck, goat, sheep, cattle, carabao farms and other animals will done semi-annually. Survey operation will be undertaken during the last two weeks of the third month of each quarter.

3.2 METHOD OF DATA COLLECTION

The "enterprise or farm" approach shall be employed in the CLPS. Data collectors will be required to go to the enterprise or farm site and interview a qualified respondent, which for the purposes of this survey is any of the following:

- 1 - Operator/Manager
- 2 - Bookkeeper/Accountant
- 3 - Authorized Representative of the Enterprise/Farm

4 ACCOMPLISHING THE CLPS QUESTIONNAIRES

4.1. USE OF SURVEY QUESTIONNAIRES

A pre-formatted survey questionnaire unique for each animal type is used, namely;

CLPS Form 1 for the semester survey of commercial CARABAO farms;
CLPS Form 2 for the semester survey of commercial CATTLE farms;
CLPS Form 3 for the quarterly survey of commercial SWINE farms;
CLPS Form 4 for the semester survey of commercial GOAT farms;
CLPS Form 5 for the semester survey of commercial SHEEP farms;
CLPS Form 6 for the quarterly survey of commercial LAYER farms;
CLPS Form 7 for the quarterly survey of commercial BROILER farms; and
CLPS Form 8 for the semester survey of DUCK farms;

Each sample farm shall be provided with a questionnaire to be filled out every survey round. The same questionnaire shall be used for a particular year, hence, the PSOs must secure them.

4.2. GENERAL POINTERS IN ACCOMPLISHING THE QUESTIONNAIRES

1. Accomplish the questionnaire properly and neatly. Use soft lead pencil. Write entries legibly in clear big letters or numbers. Wrong entries must be erased neatly and not crossed out. Write the correct one on the answer space. Everything must be in its proper place.
2. Enter answers to questions in the corresponding answer spaces. Be careful in recording numerical answers particularly on the correct number of decimal places as required by the questionnaire. For pre-coded answers, encircle or indicate properly the code(s).
3. Do not leave any answer space blank, except in accordance with the "skipping instructions in the questionnaire". A blank answer space may otherwise mean that the corresponding question is none, or question is not applicable, enter a dash (-) in the corresponding answer space or draw a horizontal line along the particular item to show that there is no report for such item.
4. If an entire block has no entry, cross-out the entire block to indicate that it was not skipped.
5. Use one set of questionnaire per sample farm.

4.3 SPECIFIC INSTRUCTIONS IN ACCOMPLISHING THE QUESTIONNAIRES

The Commercial Livestock and Poultry Survey (CLPS) questionnaires are used to gather detailed information on the supply, disposition and destination from the sample farms nationwide. Accomplish these questionnaires as follows:

4.3.1 CLPS Form 1 (*for the semestral survey of commercial CARABAO farms*)

General Information Block

The title block contains the name of agency responsible for the conduct of the survey, in this case it is the Philippine Statistics Authority (PSA) found at the upper portion of page 1. Under this are the title of the survey (Commercial Livestock and Poultry Survey), the animal type covered (CARABAO FARM) and the reference year which is left blank for the data collector to fill out.

Located at upper right portion of the questionnaire is the PSA Approval Number and form number (CLPS Form 1). Below is the confidentiality clause to assure the sample farm that all information collected from them shall be kept strictly confidential.

Block A. GEOGRAPHIC INFORMATION (front page of the questionnaire)

The data collector should fill out this section upon receipt of the materials or prior to his visit to the sample farm. It should be accomplished in accordance to the following instructions:

Items A1 - A4

1. On the specific spaces provided, copy from the sample masterlist and write legibly the name of the **Region, (item A1), Province (item A2), Municipality (item A3) and Barangay (item A4).**
2. In the corresponding boxes opposite the geographic location, copy the designated code from the masterlist. In the masterlist, each barangay name is preceded by a series of codes.

Block B. SAMPLE IDENTIFICATION

This block contains seven (7) items which provides a unique identification of the sample farms that will facilitate control of the forms during data collection and processing. The List of Sample Farms (masterlist) provides the information needed in accomplishing this section.

Items B1-B4

On the specific spaces provided, copy from the masterlist and write legibly the **Stratum (Item B1)**, **Name of Carabao Farm (Item B2)**, **Location of Farm (Item B3)** and **Name of Operator (B4)**. Enter in the corresponding boxes opposite these items the designated code indicated in the masterlist.

Note: The questionnaire will be utilized for all 2016 survey rounds.

Starting on item B5 up to the last item in the questionnaire, fill out only the answer spaces which are intended for the current survey round.

Items B5-B6

Ask and write the complete name of the respondent (**Item B5**) on the space provided. (*Surname, Given Name*).

*A **respondent** is a responsible member of the company who provides reliable answers to queries and gives information for the farm's business. It refers to the person being interviewed.*

Encircle the appropriate respondent's classification (**Item B6**) as follows:

Code 1 - Operator/Manager

Code 3 - Other Employee

Code 2 - Bookkeeper/Accountant

Code 4 - Other Informant
(specify)

*A **farm operator** is a person who exercises technical management and responsibility for the operations of the holding and may have full economic responsibility for it.*

*A **farm manager** is a person who is paid a salary or wages to administer the day-to-day agricultural operations of a farm.*

Item B7

During the field operations, determine the status of the sample farm. Encircle the appropriate code based on the result of the interview/data gathering.

The following code classifications are provided in the questionnaire.

Code 1 - On-going/Active/Operational/Existing

Code 2 - Temporarily Stopped/Closed/Ceased Operation

Code 3 - Refused to give data

Code 4 - Cannot be contacted

Code 5 - No stock as of _____ Round

Code 6 - Permanently stopped Operation/Ceased/Closed Operation
Code 7 - Shifted Farm Operation

Sample Farms with status codes 1 to 5 can be considered for interview/visit on the next round while those with codes 6 and 7 are for replacement.

Block C. INVENTORY

This block intends to gather information on carabao inventory by group classification/distribution.

C1. Total (all ages)

Ask and indicate answer on the space provided the total number of carabao (all ages) in the farm as of the reference date.

C1.a. Carabull - male 3 years old and above

Of the total (all ages), ask and indicate answer on the space provided the number of carabull in the farm as of the reference date.

C1.b. Caracow - female 3 years old and above

Of the total (all ages), ask and indicate answer on the space provided the number of caracow in the farm as of the reference date.

C1.c. Caraheifer - female 2 years and over but below 3 years old

Of the total (all ages), ask and indicate answer on the space provided the number of female carabao 2 years old and over but less than 3 years old in the farm as of the reference date.

C1.d. Yearling - male/female 1 year old but below to 2 years old

Of the total (all ages), ask and indicate answer on the space provided the number of yearling in the farm as of the reference date.

C1.e. Caracalf - 1 day to 3 months old

Of the total (all ages), ask and indicate answer on the space provided the number of caracalf in the farm as of the reference date.

C1.f. Others - castrated, ready to breed carabull

Of the total (all ages), ask and indicate answer on the space provided the number of other carabao in the farm, as of the reference date.

EXAMPLE: Castrated (steers) and ready to breed carabull.

NOTE: Total (all ages) equals the sum of items C1.a to C1.f

Block D. CARACOW INFORMATION

This block intends to gather information on the total number of births and forecast of births of caracow in the farm during the reference period.

D1. Number of Births

This seeks to gather information on the number of births of caracows in the farm during the reference semester.

D1.a. Caracow that gave birth - Ask and indicate answer on the space provided the number of caracow that gave birth in the farm during the reference period.

D1.a.1 Born live - Ask and indicate answer on the space provided the number of carabao born live in the farm during the reference period.

D2. Forecast of Births

This seeks to gather information on the total caracows expected to give birth in the farm for the next reference semester.

D2.a. Number of caracows expected to give birth - Ask and indicate answer on the space provided the number of caracows expected to give birth in the farm for the next reference period.

Block E. DISPOSITION

This block seeks to collect information on the number of carabao disposed quarterly by the farm during the semester period.

E1. Fattened carabaos

Ask and indicate answers in column 2 and column 4 the total number of fattened carabao during the reference quarters. Enter in column 6 the total for the semester.

Ask and indicate answers in column 3 and column 5 the average weight per head of fattened carabao in the farm during the reference quarters.

E1.a. Slaughtered in the farm/household

Of the total fattened carabaos, ask and indicate answers in column 2 and column 4 the number of slaughtered in the farm during the reference quarters. Enter in column 6 the total for the semester.

Ask and indicate answers in column 3 and column 5 the average weight per head of fattened carabao slaughtered in the farm during the reference quarters.

E1.b. Sold live/disposed for slaughter

Of the total fattened carabaos, ask and indicate answers in column 2 and 4 the number of sold live for slaughter during the reference quarters. Enter in column 6 the total for the semester.

Ask and indicate answers in column 3 and column 5 the average weight per head of fattened carabao sold live for slaughter during the reference quarters.

E.2. Breeders

Ask and indicate answers in column 2 and column 4 the total number of breeders during the reference quarters. Enter in column 6 the total for the semester.

Ask and indicate answers in column 3 and column 5 the average weight per head of breeders in the farm during the reference quarters.

E2.a. Slaughtered in the farm/household

Of the total culled (breeders), ask and indicate answers in column 2 and 4 the number of slaughtered in the farm during the reference quarters. Indicate in column 6 the total for the semester.

Ask and indicate answers in column 3 and column 5 the average weight per head of culled (breeders) slaughtered in the farm during the reference quarters.

E.2.b. Sold live/disposed for slaughter

Of the total culled (breeders), ask and indicate in column 2 and 4 the number of sold live for slaughter during the reference quarters. Indicate in column 6 the total for the semester.

Ask and indicate answers in column 3 and column 5 the average weight per head of culled (breeders) sold live/disposed for slaughter during the reference quarters.

E.2.c. Sold for other purposes

Of the total culled (breeders), ask and indicate in column 2 and 4 the number of sold for other purposes during the reference quarters. Indicate in column 6 the total for the semester.

Ask and indicate answers in column 3 and column 5 the average weight per head of culled (breeders) sold for other purposes during the reference quarters.

E.3. Others

E3.a. Slaughtered in the farm/household

Ask and indicate in columns 2 and 4 the number of other carabao slaughtered in the farm during the reference quarters. Indicate in column 6 the total for the semester.

Ask and indicate answers in column 3 and column 5 the average weight per head of other carabao slaughtered in the farm during the reference quarters.

E.3.b. Sold live/disposed for slaughter

Ask and indicate in columns 2 and 4 the number of other carabao sold live/disposed for slaughter during the reference quarters. Indicate in column 6 the total for the semester.

Ask and indicate answers in column 3 and column 5 the average weight per head of other carabao sold live/disposed for slaughter during the reference quarters.

E.3.c. Sold for other purposes

Ask and indicate in columns 2 and 4 the number of other carabao sold for other purposes during the reference quarters. Indicate in column 6 the total for the semester.

Ask and indicate answers in column 3 and column 5 the average weight per head of other carabao sold for other purposes during the reference quarters.

Specify the purpose on the space provided.

E.4. Deaths/Losses

Ask and indicate answers in column 2 and column 4 the total number of deaths/losses during the reference quarters. Enter in column 6 the total for the semester.

Ask and indicate answers in column 3 and column 5 the average weight per head of deaths/losses in the farm during the reference quarters.

E.4.a. Yearlings

Ask and indicate in columns 2 and 4 the number of yearlings that died in farm during the reference quarters. Indicate in column 6 the total for the semester.

Ask and indicate answers in column 3 and column 5 the average weight per head of yearlings that died in the farm during the reference quarters.

E.4.b. Caracalves

Ask and indicate in columns 2 and 4 the number of caracalves that died in farm during the reference quarters. Indicate in column 6 the total for the semester.

Ask and indicate answers in column 3 and column 5 the average weight per head of caracalves that died in the farm during the reference quarters.

E.4.c. Others

Ask and indicate in columns 2 and 4 the number of other carabao that died in farm during the reference quarters. Indicate in column 6 the total for the semester.

Ask and indicate answers in column 3 and column 5 the average weight per head of other carabao that died in the farm during the reference quarters.

E.4.1. Reasons of Death

E.4.1.a. Disease (specify)

Ask and indicate answer on the space provided the disease that caused the death of yearlings and other carabao in farm/household during the reference quarter.

E.4.1.b. Other reason (specify)

Ask and indicate answer on the space provided other reason(s) of death of yearlings and other carabao in farm/household during the reference quarter.

Block F. DISPOSITION BY AREA OF DESTINATION

This block intends to collect information on the number of carabao disposed by area of destination during the reference period.

F.1. Of the total number of heads sold live/disposed for slaughter (from E.1.b, E.2.b and E.3.b) during the semester, how many were sold...

Inquire from the respondent the total number of heads sold live/disposed for slaughter during the semester:

F.1.a Within the Province

F.1.a.1. Sold live/disposed for slaughter

Ask and indicate answer on the space provided the number of carabao sold live for slaughter within the province during the reference period.

F.1.b Outside the Province

F.1.b.1.a Sold live to Metro Manila

Ask and indicate answer on the space provided the number of carabao sold live to be brought to Metro Manila during the reference period.

F.1.b.1.b. Sold live to Other Areas

Ask and indicate answer on the space provided the number of carabao sold live to be brought to other areas outside the province during the reference period. Specify the area on the space provided.

F.1c. Total

Compute for the sum of carabao sold live/disposed for slaughter by raisers and those that were hauled by integrators to be sold live within the province and/or outside the province (Metro Manila and Other Areas).

Block G. INTERVIEW/SURVEY PARTICULARS

a. Name of Data Collector

In the corresponding line for each column, indicate the name of the data collector during the survey round.

b. Date Collected

In the corresponding line/column, write the date of collection during the survey round.

c. Signature of Data Collector

In the corresponding line/column, affix the signature of the data collector during the survey round.

d. Name of Editor/Supervisor

In the corresponding line for each column, indicate the name of the data editor/supervisor during the survey round.

e. Date Edited/Reviewed

In the corresponding line/column, write the date edited/reviewed during the survey round.

f. Signature of Editor/Supervisor

In the corresponding line/column, affix the signature of editor/supervisor during the survey round.

4.3.2 CLPS Form 2 (*for the semestral survey of commercial CATTLE farms*)

CATTLE QUESTIONNAIRE should be filled out in the same manner the **CARABAO QUESTIONNAIRE** is accomplished. However, take note that **CARABULL** for **CARABAO** is **BULL** for **CATTLE** and **CARACOW** for **CARABAO** is **COW** for **CATTLE**. Age classification for **BULL/COW** is 2 years old and above.

4.3.3. CLPS Form 3 (for the quarterly survey of commercial SWINE farms)

Indicate the reference year on the space for **year (201___)**.

Block A. GEOGRAPHIC INFORMATION

Follow instructions for same portion of CLPS Form 1.

Block B. SAMPLE IDENTIFICATION

Follow instructions for same portion of CLPS Form 1.

NOTE: The questionnaire will be utilized for all 2016 survey rounds.

Starting on B.5 up to the last item in the questionnaire, fill out only the answer spaces which are intended for the current survey round.

Block C. INVENTORY

This block intends to gather information of total swine inventory in the farm during the reference period.

C1. Total (all ages)

Ask and indicate answer on the space provided the total swine inventory (all ages) in the farm as of the reference date.

C1.a. Boar (male for breeding) - over 6 months and above

Of the total (all ages), ask and indicate answer on the space provided the number of boars in the farm as of the reference date.

C1.b. Sow - 6 months and above

Of the total (all ages), ask and indicate answer on the space provided the number of sows in the farm as of the reference date.

C1.c. Gilt - less than 6 months old

Of the total (all ages), ask and indicate answer on the space provided the number of gilts in the farm as of the reference date.

C1.d. Fattener/finisher - 5 months and above

Of the total (all ages), ask and indicate answer on the space provided the number of fatteners/finishers in the farm as of the reference date.

C1.e. Grower - 2-5 months

Of the total (all ages), ask and indicate answer in the space provided the number of growers in the farm as of the reference date.

C1.f. Weanling - 1 month to 59 days

Of the total (all ages), ask and indicate answer on the space provided the number of weanlings in the farm as of the reference date.

C1.g. Piglets - birth to 29 days

Of the total (all ages), ask and indicate answer on the space provided the number of piglets in the farm as of the reference date.

NOTE: Total (all ages) equals the sum of C1.a to C1.g
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Block D. SOW INFORMATION

This block seeks to gather information on the number of sow that gave birth and the number of sows expected to give birth in the farm during the reference period.

D1. Number of Births

This seeks to gather information on the number of sow(s) that gave birth in the farm as well as the average litter size and mortality rate during the reference quarter.

D1.a. Sows that gave birth

Ask and indicate answer on the space provided the number of sow(s) that gave birth in the farm during the reference period.

D1.a.1. Average litter size

Ask and indicate answer on the space provided the average litter size per sow of the sows that gave birth in the farm during the reference period.

D1.a.2. Mortality Rate (%)

Ask and indicate answer on the space provided the mortality rate (death and losses) that occurred in the farm during the reference period.

D.2. Forecast of Births

This seeks to gather information on the total sow(s) expected to give birth in the farm for the next reference period.

D2.a. Number of sows expected to give birth - Ask and indicate answer on the space provided the number of sows expected to give birth in the farm for the next reference period.

D2.a.1. Average Litter size (number) - Ask and indicate answer on the space provided the average litter size per sow of the sows that are expected to give birth for the next reference period.

Block E. DISPOSITION

This block seeks to collect information on the number of swine disposed monthly by the farm during the reference quarter.

E1. Fatteners/Finishers

Ask and indicate answers in column 2, 4 and 6 the total number of fatteners/finishers per month during the reference quarter. Enter in column 8 the total for the quarter.

Ask and indicate answers in column 3, 5 and 7 the average weight per head of the fatteners/finishers in the farm during the reference quarters.

E1.a. Slaughtered in the farm/household

Of the total fatteners/finishers, ask and indicate answers in columns 2, 4 and 6 the number of fatteners/finishers slaughtered monthly in the farm during the reference quarter. Enter in column 8 the total for the quarter.

Ask and indicate answers in columns 3, 5 and 7 the average weight per head of fatteners/finishers slaughtered monthly in the farm during the reference quarter.

E1.b. Sold live/disposed for slaughter

Of the total fatteners/finishers, ask and indicate answers in columns 2, 4 and 6 the number of fatteners/finishers sold live monthly for slaughter during the reference quarter. Enter in column 8 the total for the quarter.

Ask and indicate answers in columns 3, 5 and 7 the average weight per head of fatteners/finishers sold live monthly for slaughter during the reference quarter.

E.2. Breeders

Ask and indicate answers in column 2, 4 and 6 the total number of breeders per month during the reference quarter. Enter in column 8 the total for the quarter.

Ask and indicate answers in column 3, 5 and 7 the monthly average weight per head of the breeders in the farm during the reference quarters.

E2.a. Slaughtered in the farm/household

Ask and indicate answers in columns 2, 4 and 6 the number of culled (breeders) slaughtered monthly in the farm during the reference quarter. Indicate in column 8 the total for the quarter.

Ask and indicate answers in columns 3, 5 and 7 the average weight per head of culled (breeders) slaughtered monthly in the farm during the reference quarter.

E.2.b. Sold live/disposed for slaughter

Ask and indicate answers in columns 2, 4 and 6 the number of culled (breeders) sold live monthly for slaughter during the reference quarter. Indicate in column 8 the total for the quarter.

Ask and indicate answers in columns 3, 5 and 7 the average weight per head of culled (breeders) sold live monthly for slaughter during the reference quarter.

E.2.c. Sold live for other purposes

Ask and indicate answers in columns 2, 4 and 6 the number of culled (breeders) sold monthly for other purposes during the reference quarter. Indicate in column 8 the total for the quarter.

Ask and indicate answers in columns 3, 5 and 7 the average weight per head of culled (breeders) sold monthly for other purposes during the reference quarter.

E.3. Growers

Ask and indicate answers in column 2, 4 and 6 the total number of growers per month during the reference quarter. Enter in column 8 the total for the quarter.

Ask and indicate answers in column 3, 5 and 7 the monthly average weight per head of the growers in the farm during the reference quarters.

E3.a. Slaughtered in the farm/household

Ask and indicate answers in columns 2, 4 and 6 the number of growers slaughtered monthly in the farm during the reference quarter. Indicate in column 8 the total for the quarter.

Ask and indicate answers in columns 3, 5 and 7 the average weight per head of growers slaughtered monthly in the farm during the reference quarter.

E.3.b. Sold live/disposed for slaughter

Ask and indicate answers in columns 2, 4 and 6 the number of growers sold live monthly for slaughter during the reference quarter. Indicate in column 8 the total for the quarter.

Ask and indicate answers in columns 3, 5 and 7 the average weight per head of growers sold live monthly for slaughter during the reference quarter.

E.3.c. Sold live for other purposes

Ask and indicate answers in columns 2, 4 and 6 the number of growers sold monthly for other purposes during the reference quarter. Indicate in column 8 the total for the quarter.

Ask and indicate answers in columns 3, 5 and 7 the average weight per head of growers sold monthly for other purposes during the reference quarter.

E.4. Weanlings Sold

Ask and indicate in columns 2, 4 and 6 the number of weanlings sold monthly during the reference quarter. Indicate in column 8 the total for the quarter.

Ask and indicate answer in columns 3, 5 and 7 the average weight per head of weanlings sold monthly during the reference quarter.

E.5. Deaths/Losses

Ask and indicate answers in columns 2, 4 and 6 the total number of deaths/losses per month during the reference quarter. Enter in column 8 the total for the quarter.

E.5.a. Piglets

Ask and indicate answers in columns 2, 4 and 6 the number of piglets that died in the farm by month during the reference quarter. Indicate in column 8 the total for the quarter.

E.5.b. Weanlings

Ask and indicate answers in columns 2, 4 and 6 the number of weanlings that died in farm by month during the reference quarter. Indicate in column 8 the total for the quarter.

E.5.c. Others

Ask and indicate answers in columns 2, 4 and 6 the number of other hogs that died in farm by month during the reference quarter. Indicate in column 8 the total for the quarter.

E.5.1. Reasons of Death

E.5.1.a. Disease (specify)

Ask and indicate answers on the space provided the disease that caused the deaths/losses of piglets and other hogs in farm by month during the reference quarter.

E.5.1.b. Other reason (specify)

Ask and indicate answers on the space provided other reason(s) of death of piglets and other hogs in farm by month during the reference quarter.

NOTE: *Excluded in this item are hogs, that died but were consumed. However, if the dead hogs were disposed/buried and has no monetary/economic returns, it shall be reported under this item.*

Block F. DISPOSITION BY AREA OF DESTINATION

This block intends to collect information on the number of hogs disposed by area of destination during the reference period.

F.1. Of the total number of heads sold live/disposed for slaughter (from E.1.b, E.2.b and E.3.b) during the semester, how many were sold...

Inquire from the respondent the total number of hogs sold live/disposed for slaughter during the quarter:

F.1.a Within the Province

F.1.a.1 Sold live/disposed for slaughter

Ask and indicate answer on the space provided the number of hogs sold live/disposed for slaughter within the province during the reference period.

F.1.b Outside the Province

F.1.b.1.a. Sold live to Metro Manila

Ask and indicate answer on the space provided the number of hogs sold live to be brought to Metro Manila during the reference period.

F.1.b.1.b. Sold live to Other Areas (specify)

Ask and indicate answer on the space provided the number of hogs sold live to be brought to other areas outside the province during the reference period. Specify the area on the space provided.

F.1.c. Total

Compute for the sum of hogs sold live/disposed for slaughter by raisers and those that were hauled by integrators to be sold live within the province and/or outside the province (Metro Manila and Other Areas) and indicate answer on the space provided.

Block G. INTERVIEW/SURVEY PARTICULARS

Follow instructions for same portion of CLPS Form 1.

4.3.4 CLPS Form 4 (for the semestral survey of commercial GOAT farms)

Indicate the reference year on the space for **year (201___)**.

Block A. GEOGRAPHIC INFORMATION

Follow instructions for same portion of CLPS Form 1.

Block B. SAMPLE IDENTIFICATION

Follow instructions for same portion of CLPS Form 1.

Note: The questionnaire will be utilized for all 2016 survey rounds.

Starting on B.5 up to the last item in the questionnaire, fill out only the answer spaces which are intended for the current survey round.

Block C. INVENTORY

This block intends to gather information on total goat inventory in the farm as of the reference date.

C1. Total (all ages)

Ask and indicate answer on the space provided the total goat inventory (all ages) in the farm as of the reference date.

C1.a. Buck - male 1 year old and above

Of the total (all ages), ask and indicate answer on the space provided the number of bucks in the farm as of the reference date.

C1.b. Doe - female 1 year old and above

Of the total (all ages), ask and indicate answer on the space provided the number of doe(s) in the farm as of the reference date.

C1.c. Doeling - female, 8 months to 1 year old

Of the total (all ages), ask and indicate answer on the space provided the number of doeling(s) in the farm as of the reference date.

C1.d. Kid - male/female below 1 day to 90 days old

Of the total (all ages), ask and indicate answer on the space provided the number of kids in the farm as of the reference date.

C1.e. Others - other than buck, doe, kid and doeling

Of the total (all ages), ask and indicate answer on the space provided the number of all other goats in the farm as of the reference date.

NOTE: Total (all ages) equals the sum of C1.a to C1.e
--

Block D. DOE INFORMATION

This block seeks to gather information on the number of doe(s) that gave birth and the number of doe(s) expected to give birth in the farm during the reference date.

D1. Number of births

This seeks to gather information on the number of doe(s) that gave birth as well as the goats born live in the farm during the reference period.

D1.a. Doe(s) that gave birth

Ask and indicate answer on the space provided the number of doe(s) that gave birth in the farm during the reference period.

D1.a.1 Born live

Ask and indicate answer on the space provided the number of kids born live in the farm during the reference period.

D2. Forecast of Births

This seeks to gather information on the total doe(s) expected to give birth in the farm for the next reference period.

D2.a. Number of doe(s) expected to give birth

Ask and indicate answer on the space provided the number of doe(s) expected to give birth in the farm during the reference period.

Block E. DISPOSITION

This block seeks to collect information on the number of goats disposed quarterly by the farm during the reference period.

E1. Fattened goat

Ask and indicate answers in column 2 and column 4 the total number of fattened goats during the reference quarters. Enter in column 6 the total for the semester.

Ask and indicate answers in column 3 and column 5 the average weight per head of the fattened goats in the farm during the reference quarters.

E1.a. Slaughtered in the farm/household

Of the total, ask and indicate answers in column 2 and column 4 the number of fattened goats slaughtered in the farm/household during the reference quarters. Enter in column 6 the total for the semester.

Ask and indicate answers in column 3 and column 5 the average weight per head of fattened goats slaughtered in the farm/household during the reference quarters.

E1.b. Sold live/disposed for slaughter

Ask and indicate answers in column 2 and column 4 the number of fattened goats sold live/disposed for slaughter during the reference quarters. Enter in column 6 the total for the semester.

Ask and indicate answers in column 3 and column 5 the average weight per head of fattened goats sold live for slaughter during the reference quarters.

E.2 Breeders

Ask and indicate answers in column 2 and column 4 the total number of breeders during the reference quarters. Enter in column 6 the total for the semester.

Ask and indicate answers in column 3 and column 5 the average weight per head of the breeders in the farm during the reference quarters.

E.2.a. Slaughtered in the farm/household

Ask and indicate answers in column 2 and column 4 the number of culled (breeders) slaughtered in the farm/household during the reference quarters. Indicate in column 6 the total for the semester.

Ask and indicate answers in column 3 and column 5 the average weight per head of culled (breeders) slaughtered in the farm/household during the reference quarters.

E.2.b. Sold live/disposed for slaughter

Ask and indicate answers in column 2 and column 4 the number of culled (breeders) sold live/disposed for slaughter during the reference quarters. Indicate in column 6 the total for the semester.

Ask and indicate answers in column 3 and column 5 the average weight per head of culled (breeders) sold live for slaughter during the reference quarters.

E.2.c. Sold live for other purposes

Ask and indicate answers in column 2 and column 4 the number of culled (breeders) sold live for other purposes during the reference quarters. Indicate in column 6 the total for the semester.

Ask and indicate answers in column 3 and column 5 the average weight per head of culled (breeders) sold live for other purposes during the reference quarters.

E.3. Others

Ask and indicate answers in column 2 and column 4 the total number of other goats during the reference quarters. Enter in column 6 the total for the semester.

Ask and indicate answers in column 3 and column 5 the average weight per head of other goats in the farm during the reference quarters.

E3.a. Slaughtered in the farm/household

Ask and indicate answers in column 2 and column 4 the number of other goats slaughtered in the farm/household during the reference quarters. Indicate in column 6 the total for the semester.

Ask and indicate answers in column 3 and column 5 the average weight per head of other goats slaughtered in the farm/household during the reference quarters.

E.3.b. Sold live/disposed for slaughter

Ask and indicate answers in column 2 and column 4 the number of other goats sold live/disposed for slaughter during the reference quarters. Indicate in column 6 the total for the semester.

Ask and indicate answers in column 3 and column 5 the average weight per head of other goats sold live/disposed for slaughter during the reference quarters.

E.3.c. Sold live for other purposes

Ask and indicate answers in column 2 and column 4 the number of other goats sold live for other purposes during the reference quarters. Indicate in column 6 the total for the semester.

Ask and indicate answers in column 3 and column 5 the average weight per head of other goats sold live for other purposes during the reference quarters.

Specify the purpose on the space provided.

E.4. Deaths/Losses

Ask and indicate answers in column 2 and column 4 the total number of kids, doelings and other goats that died in the farm during the reference quarters. Enter in column 6 the total for the semester.

Ask and indicate answers in column 3 and column 5 the average weight per head of the kids, doelings and other goats that died in the farm during the reference quarters.

E.4.a. Kids

Ask and indicate answers in column 2 and column 4 the number of kids that died in the farm during the reference quarters. Indicate in column 6 the total for the semester.

Ask and indicate answers in column 3 and column 5 the average weight per head of kids that died in the farm during the reference quarters.

E.4.b. Doeling

Ask and indicate answers in column 2 and column 4 the number of doelings that died in the farm during the reference quarters. Indicate in column 6 the total for the semester.

Ask and indicate answers in column 3 and column 5 the average weight per head of doelings that died in the farm during the reference quarters.

E.4.c. Others

Ask and indicate answers in column 2 and column 4 the number of other goats that died in the farm during the reference quarters. Indicate in column 6 the total for the semester.

Ask and indicate answers in column 3 and column 5 the average weight per head of other goats that died in the farm during the reference quarters.

E.4.1. Reasons of Death

E.4.1.a Disease (specify)

Ask and indicate answers on the space provided the disease that caused the death of the kids and other goats in the farm/household during the reference quarters.

E.4.1.b. Other reason (specify)

Ask and indicate answers on the space provided other reason(s) of death of kids and other goats in the farm/household during the reference quarter.

Block F. DISPOSITION BY AREA OF DESTINATION

This block intends to collect information on the number of goats disposed by area of destination during the reference period.

F.1. Of the total number of heads sold live/disposed for slaughter (from E.1.b, E.2.b and E.3.b) during the semester, how many were sold...

Inquire from the respondent the total number of goats sold live/disposed for slaughter during the reference semester:

F.1.a Within the Province

F.1.a.1. Sold live/disposed for slaughter

Ask and indicate answer on the space provided the number of goats sold live/disposed for slaughter within the province during the reference period.

F.1.b. Outside the Province

F.1.b.1.a. Metro Manila

Ask and indicate answer on the space provided the number of goats sold live to be brought to Metro Manila during the reference period.

F.1.b.1.b. Other Areas (Specify)

Ask and indicate answer on the space provided the number of goats sold live to be brought to other areas outside the province during the reference period. Specify the area on the space provided.

F.1.c. Total Disposition

Compute for the sum of goats sold live/disposed for slaughter by raisers and those that were hauled by integrators to be sold live within the province and/or outside the province (Metro Manila and Other Areas).

Block G. INTERVIEW/SURVEY PARTICULARS

Follow instructions for same portion of CLPS Form 1.

4.3.5 CLPS Form 5 (*for the semestral survey of commercial SHEEP farms*)

SHEEP QUESTIONNAIRE should be filled out in the same manner the **GOAT QUESTIONNAIRE** is accomplished. However, take note that **BUCK for GOAT is RAM for SHEEP** and **DOE for GOAT is EWE for SHEEP**.

4.3.6 CLPS Form 6 (for the quarterly survey of commercial LAYER farms)

Indicate the reference year on the space for **year (201___)**.

Block A. GEOGRAPHIC INFORMATION

Follow instructions for same portion of CLPS Form 1.

Block B. SAMPLE IDENTIFICATION

Follow instructions for same portion of CLPS Form 1.

NOTE: The questionnaire will be utilized for all 2016 survey rounds.

Starting on B.5 up to the last item in the questionnaire, fill out only the answer spaces which are intended for the current survey round.

Block C. INVENTORY

This block intends to gather information on layer inventory and group classification on the farm as of the reference date.

C1. Total (all ages)

Ask and indicate answer on the space provided the total layers of all ages in the farm as of the reference date.

C1.a. Laying flock - 5 months and above

Of the total (all ages), ask and indicate answer on the space provided the number of laying hens in the farm as of the reference date.

Laying flock is composed of active and inactive layers. Active layers have high egg laying efficiency ratio while inactive layers are those that temporarily do not lay eggs due to molting (natural or forced).

C1.b. Growing flock - below 5 months

Of the total (all ages), ask and indicate answer on the space provided the number of growing layers in the farm as of the reference date.

C1.c. Day old chick - 1-7 days

Of the total (all ages), ask and indicate answer on the space provided the number of day old chicks in the farm as of the reference date.

NOTE: *Total (all ages) equals the sum of C1.a to C1.c*

Block D. EGG PRODUCTION INDICATORS

This block intends to collect information on egg production in the farm during the reference period in terms of egg laying efficiency ratio in percent.

D.1 Inventory of Laying Flock

Ask and indicate answer on the space provided the number of laying hens that layed eggs in the farm as of the reference dates.

D.2 Mortality Rate

Ask and indicate answer on the space provided the mortality rate (%) of the laying flock during the reference dates.

Mortality rate is the ratio of number of layers that died during the growing and laying period to the total number of layers (all ages).

D.3 Egg Laying Efficiency Ratio (%)

Ask and indicate answer on the space provided the monthly egg laying efficiency ratio (%) of the laying flock during the reference periods.

For the purpose of this survey, Egg Laying Efficiency Ratio (ELER) is the ratio of the number of eggs to the number of layers at a given day.

Block E. DISPOSITION BY AREA OF DESTINATION

This block intends to collect information on the number of eggs sold/disposed by area of destination during the reference period.

E.1 Of the total egg production, how many were disposed/sold:

Inquire from the respondent the total number of eggs disposed/sold during the reference period:

E.1.a. Within the Province

Ask and indicate answer on the space provided the number of eggs disposed/sold monthly within the province during the reference period.

E.1.b. Outside the Province

E.1.b.1. Metro Manila

Ask and indicate answer on the space provided the number of eggs sold/disposed monthly to Metro Manila during the reference period.

E.1.b.2. Other Areas

Ask and indicate answer on the space provided the number of eggs sold/disposed monthly to other areas during the reference period.

Block F. NUMBER OF LAYERS AND GROWING FLOCK EXPECTED TO LAY EGGS

This block intends to collect information on the number of layers and growing flock expected to lay eggs in the farm as of the reference dates.

F.1. Laying Flock (5 months and above)

F.1.a. Number (*in birds*)

Ask and indicate answers on the spaces provided the number of laying flock (in birds) in the farm expected to lay eggs as of the reference dates.

F.1.b. Egg Laying Efficiency Ratio (%)

Ask and indicate answers on the spaces provided the corresponding egg laying efficiency ratio (%) per laying flock during the reference dates.

F.2. Growing Flock (below 5 months)

F.2.a. Number (*in birds*)

Ask and indicate answers on the spaces provided the number of growing flock (in birds) in the farm expected to lay eggs during the reference dates.

F.2.b. Egg Laying Efficiency Ratio (%)

Ask and indicate on the space provided the corresponding egg laying efficiency ratio (%) per growing flock during the reference dates.

Block G. LAYERS DISPOSITION

This block seeks to generate information on the monthly disposition of layers (in birds) and mortality rate (%) of laying and growing flock during the reference period.

G.1 Disposition (in birds)

G.1.a. Sold live for meat (being culled)

Ask and indicate answers on the spaces provided the number of layers sold live for meat (being culled) during the reference period.

G.1.a.1 Average Liveweight (kg)

Ask and indicate answers on the spaces provided the average weight per kilogram of the layers sold live for meat during the reference period.

G.1.b. Sold for other purposes

Ask and indicate answers on the spaces provided the number of layers sold for other purposes during the reference period

G.1.b.1. Day Old Layers

Ask and indicate answers on the spaces provided the number of day old layers sold for other purposes during the reference period.

G.1.b.2. Growing Flock

Ask and indicate answers on the spaces provided the number of growing flock sold for other purposes during the reference period.

Block H. ASSESSMENT OF FARM PRODUCTION

This block seeks to gather information on factors affecting the farm's production for the last three months during the reference quarter.

H.1. Was your farm's production this **current quarter** increased/decreased/about the same as compared to your farm's production **last year of the same quarter**? (*Encircle code*)

Inquire from the respondent and encircle the appropriate code whether the farm's production this current quarter increased, decreased or about the same as compared to the farm's production last year of the same quarter.

1 - Increase 2 - Decrease 3 - About the same

H.1.a What was/were the reason/s for the increase/decrease in your farm's production? (*Encircle code/s*)

Ask from the respondent the reason/s for change in farm's production and indicate in the space provided. Encircle code/s which correspond to the answer/s.

- 1 – Good farm management
- 2 – Good weather condition
- 3 – No outbreak of pest / diseases
- 4 – Good feed ingredients
- 5 – Poor feed
- 6 – Poor farm management
- 7 – Tight supply of DOC
- 8 – Outbreak of pest / diseases
- 9 – Poor weather condition
- 10 – Others (Specify) _____

H.2. Was your farm's production this **current quarter** increased/decreased/about the same as compared to your farm's production in the **previous quarter**? (*Encircle code*)

Inquire from the respondent and encircle the appropriate code whether the farm's production this current quarter increased, decreased or about the same as compared to the farm's production in the previous quarter.

- 1 - Increase 2 - Decrease 3 - About the same

H.2.a What was/were the reason/s for the increase/decrease in your farm's production? (*Encircle code/s*)

Ask from the respondent the reason/s for change in farm's production and indicate in the space provided. Encircle code/s which correspond to the answer/s.

- 1 – Good farm management
- 2 – Good weather condition
- 3 – No outbreak of pest / diseases
- 4 – Good feed ingredients
- 5 – Poor feed
- 6 – Poor farm management
- 7 – Tight supply of DOC
- 8 – Outbreak of pest / diseases
- 9 – Poor weather condition
- 10 – Others (Specify) _____

Block I. INTERVIEW/SURVEY PARTICULARS

Follow instructions for same portion of CLPS Form 1.

4.3.7 CLPS Form 7 (for the quarterly survey of commercial BROILER farms)

Indicate the reference year on the space for **year (201___)**.

Block A. GEOGRAPHIC INFORMATION

Follow instructions for same portion of CLPS Form 1.

Block B. SAMPLE IDENTIFICATION

Follow instructions for same portion of CLPS Form 1.

NOTE: The questionnaire will be utilized for all 2016 survey rounds.

Starting on B.5 up to the last item in the questionnaire, fill out only the answer spaces which are intended for the current survey round.

Block C. INVENTORY

This block intends to collect information on the total number of birds in broiler farm as of the first day of the reference date.

C.1 As of the 1st day of the quarter, how many broilers were in the farm?

Ask and indicate answer on the space provided the number of broilers in the farm as of the first day of the reference quarter.

Block D. DAY OLD CHICKS RECEIVED/ACQUIRED/DELIVERED

This block intends to collect information on the number of day old chicks received/acquired/delivered during the reference quarter.

D.1 How many day old chicks were received/acquired/delivered during the reference quarter?

Ask and indicate answer on the space provided the number of day old chicks received/acquired/delivered during the reference quarter.

Block E. DISPOSITION

This block intends to collect information on the number of broilers that were disposed/sold monthly and its corresponding average weight during the reference quarter.

There are two (2) columns under each reference month. These are intended for the two (2) questions under this block. Indicate answers for 1st question in column 1 and the 2nd question in column 2.

Ask from the respondent how many broilers were sold live/disposed for meat monthly during the reference quarter. Inquire for the corresponding average weight and indicate the answers on the spaces provided. The average weight should be in two decimal places.

Total Disposition

Get the total disposition by aggregating the monthly disposition for the reference quarter. Indicate answer on the space provided together with average weight of broiler disposed for the reference quarter.

Block F. DISPOSITION BY AREA OF DESTINATION

This block aims to collect information of the number of broilers sold live/disposed for meat by area of destination whether within the province or outside the province during the reference quarter.

F.1 Of the total broilers that were sold live/disposed for meat (from Block E.1) during the quarter, how many were sold...

F.1.a. Within the Province

F.1.a.1. Sold live/Dressed on farm and/or outside dressing plant (*by grower*)

Ask and indicate answer on the space provided the number of broiler sold live/dressed on farm and/or outside during the reference period. Inquire also for the average liveweight per bird and indicate it in two decimal places on the space provided. Compute for the total weight by multiplying the number of broilers by the average liveweight per bird. Indicate the answer in two decimal places under the column for total weight.

F.1.a.2. Hauled by integrators/viajeros:

F.1.a.2.a. Sold live

Inquire from the respondent the number of broiler sold live and the corresponding average liveweight per bird. Indicate answers on the spaces provided for each item. Compute for the total weight by multiplying the number of broilers by the average liveweight per bird. Indicate the answer under the column for total weight.

F.1.a.2.b. Delivered to Dressing Plant

Inquire from the respondent the number of broiler delivered to dressing plants and the corresponding average liveweight per bird. Indicate answers on the spaces provided for each item. Compute for the total weight by multiplying the number of broilers by the average liveweight per bird. Indicate the answer under the column for total weight.

F.1.b. Outside the Province

F.1.b.1. Sold live by grower

F.1.b.1.a. Metro Manila

Ask and indicate answer on the space provided the number of broilers sold live by growers to Metro Manila during the reference period. Inquire the corresponding average liveweight per bird and indicate the answer in two decimal places on the space provided. Compute for the total weight by multiplying the number of broilers by the average liveweight per bird. Indicate the answer in two decimal places under the column for total weight.

F.1.b.1.b. Other Areas

Ask and indicate answer on the space provided the number of broilers sold live by growers to other areas during the reference period. Inquire the corresponding average liveweight per bird and indicate the answer in two decimal places on the space provided for each item. Compute for the total weight by multiplying the number of broilers by the average liveweight per bird. Indicate the answer in two decimal places under the column for total weight.

F.1.b.2. Hauled by integrators/viajeros:

F.1.b.2.a Delivered live to Metro Manila

Ask and indicate answer on the space provided the number of broilers hauled by integrators/viajeros to Metro Manila during the reference period. Inquire the corresponding average liveweight per bird and indicate the answer in two decimal places on the space provided. Compute for the total weight by multiplying the number of broilers by the average liveweight per bird. Indicate the answer in two decimal places under the column for total weight.

F.1.b.2.b Delivered to Dressing Plant

F.1.b.2.b.1 Within the region

Ask and indicate answer on the space provided the number of broilers hauled by integrators/viajeros and delivered to Dressing Plant within the region during the reference period. Inquire the corresponding average liveweight per bird and indicate the answer in two decimal places on the space provided. Compute for the total weight by multiplying the number of broilers by the average liveweight per bird. Indicate the answer in two decimal places under the column for total weight.

F.1.b.2.b.2 Outside the region

Ask and indicate answer on the space provided the number of broilers hauled by integrators/viajeros and delivered to Dressing Plant outside the region during the reference period. Inquire the corresponding average liveweight per bird and indicate the answer in two decimal places on the space provided. Compute for the total weight by multiplying the number of broilers by the average liveweight per bird. Indicate the answer in two decimal places under the column for total weight.

F.1.c. Total Disposition

Number of Birds

Get the sum of number of broilers sold live/disposed for meat within the province and/or outside the province (Metro Manila and Other Areas) by aggregating items F.1.c.1, F.1.c.2 and F.1.c.3. Indicate the answer on the space provided.

Average Liveweight/Bird

Compute for the average liveweight by aggregating items a.1, a.2.a, a.2.b, b.1.a, b.1.b, b.2.a, b.2.b.1 and b.2.b.2 of column for total weight divided by the total number of broilers. Indicate the answer on the space provided.

Total Weight

To compute for the total weight, aggregate items a.1, a.2.a, a.2.b, b.1.a, b.1.b, b.2.a, b.2.b.1 and b.2.b.2 of column for total weight.

F.1.c.1. Within the province ($a.1 + b.2.b.1 + b.2.b.2$)

Get the sum of number of broilers sold live/disposed for meat within the province by aggregating items a.1, a.2.a and a.2.b. Indicate the answer on the space provided.

F.1.c.2. Metro Manila ($b.1.a + b.2.a$)

Get the sum of number of broilers sold live/disposed for meat in Metro Manila by aggregating items b.1.a and b.2.a. Indicate the answer on the space provided.

F.1.c.3. Other Areas ($b.1.b + b.2.b.1 + b.2.b.2$)

Get the sum of number of broilers sold live/disposed for meat in other areas by aggregating items b.1.b, b.2.b1 and b.2.b.2. Indicate the answer on the space provided.

F.2 Mortality Rate (%)

Ask and indicate answer on the space provided the percentage (%) of broilers died out of the total supply during the reference period.

Block G. ASSESSMENT OF FARM PRODUCTION

This block intends to gather information on changes in farm production between the reference quarter and last year same quarter / previous quarter farm production. Reason/s for change in farm production will also be determined in this block.

G.1. Was your farm's production this **current quarter** increased/decreased/about the same as compared to your farm's production **last year of the same quarter**? (*Encircle code*)

Inquire from the respondent and encircle the appropriate code whether the farm's production this current quarter increased, decreased or about the same as compared to the farm's production last year of the same quarter.

1 - Increase 2 - Decrease 3 - About the same

G.1.a What was/were the reason/s for the increase/decrease in your farm's production? (*Encircle code/s*)

Ask from the respondent the reason/s for change in farm's production and indicate in the space provided. Encircle code/s which corresponds to the answer/s.

- 1 – Good farm management
- 2 – Good weather condition
- 3 – No outbreak of pest / diseases
- 4 – Good feed ingredients
- 5 – Poor feed
- 6 – Poor farm management
- 7 – Tight supply of DOC
- 8 – Outbreak of pest / diseases
- 9 – Poor weather condition
- 10 – Others (Specify) _____

G.2. Was your farm's production this **current quarter** increased/decreased/about the same as compared to your farm's production in the **previous quarter**? (*Encircle code*)

Inquire from the respondent and encircle the appropriate code whether the farm's production this current quarter increased, decreased or about the same as compared to the farm's production in the previous quarter.

- 1 - Increase 2 - Decrease 3 - About the same

G.2.a What was/were the reason/s for the increase/decrease in your farm's production? (*Encircle code/s*)

Ask from the respondent the reason/s for change in farm's production and indicate in the space provided. Encircle code/s which corresponds to the answer/s.

- 1 – Good farm management
- 2 – Good weather condition
- 3 – No outbreak of pest / diseases
- 4 – Good feed ingredients
- 5 – Poor feed
- 6 – Poor farm management
- 7 – Tight supply of DOC
- 8 – Outbreak of pest / diseases
- 9 – Poor weather condition
- 10 – Others (Specify) _____

Block H. INTERVIEW/SURVEY PARTICULARS

Follow instructions for same portion of CLPS Form 1.

4.3.8 CLPS Form 8 *(for the semestral survey of commercial DUCK farms)*

Indicate the reference year on the space for **year (201___)**.

Block A. GEOGRAPHIC INFORMATION

Follow instructions for same portion of CLPS Form 1.

Block B. SAMPLE IDENTIFICATION

Follow instructions for same portion of CLPS Form 1.

NOTE: The questionnaire will be utilized for all 2016 survey rounds.

Starting on B.5 up to the last item in the questionnaire, fill out only the answer spaces which are intended for the current survey round.

Block C. INVENTORY

This block intends to gather information on duck inventory and group classification on the farm as of the reference dates.

Total All Ages

Ask and indicate answer on the space provided the total duck of all ages in the farm as of the reference date.

C.1. – C.3 Muscovy / Mallard / Peking Duck

Of the total (all ages), ask and indicate answers on the spaces provided the total number of muscovy/mallard/peking duck in the farm as of the reference date.

C1.a. / C2.a. / C3.a. Laying flock

Of the total (all ages) of muscovy/mallard/peking duck, ask and indicate answers on the spaces provided the number of laying flock in the farm as of the reference date.

C1.b. / C2.b. / C3.b. Growing flock

Of the total (all ages) of muscovy/mallard/peking duck, ask and indicate answers on the spaces provided the number of growing flock in the farm as of the reference date.

C1.c. / C2.c. / C3.c. Male Breeder

Of the total (all ages) of muscovy/mallard/peking duck, ask and indicate answers on the spaces provided the number of male breeder in the farm as of the reference date.

C1.d. / C2.d. / C3.d. Day old duckling (DOCs)

Of the total (all ages) of muscovy/mallard/peking duck, ask and indicate answers on the spaces provided the number of day old ducklings in the farm as of the reference date.

C.4. Others

Of the total (all ages), ask and indicate answers on the space provided the total number of other ducks in the farm as of the reference date.

C4.a.1- C4.a.2 Male / Female

Ask and indicate answer on the spaces provided the number of other male and female adult ducks in the farm as of the reference date.

NOTE: Check that all totals tally with their respective breakdowns

Block D. SUPPLY

This block intends to collect information on total supply of duck in the farm as of the reference period.

D1. Hatched Live

Ask and indicate answer on the space provided the number of hatched live ducklings on the farm as of the reference date.

D2. Purchased/Received/Acquired

For Items D2.a to D2.d, ask and indicate answers on the spaces provided the number of ducks purchased/received/acquired on the farm as of the reference period.

- D.2.a Day Old Duckling
- D.2.b Growing
- D.2.c Laying
- D.2.d Culls

Block E. DISPOSITION

This block intends to collect information on the number of ducks disposed on the farm during the reference period.

E1. – E4. Muscovy / Mallard / Peking Duck / Others

Inquire from the respondent the total number of ducks in the farm and its corresponding average weight per head during the reference period. Indicate answers in the corresponding columns provided. To get the total, simply add the number of ducks reported in column 2 and column 4 and indicate the answers in column 6.

E1.a, E2.a and E.3.a Dressed in the farm/household

Ask and indicate answers on the spaces provided the total number of ducks dressed in the farm/household during the reference period. To get the total, simply add the number of ducks reported in column 2 and column 4 and indicate the answers in column 6.

Ask and indicate answers in column 3 and column 5 the average weight per head of duck dressed in the farm/household during the reference period.

E1.b, E2.b and D3.b Sold live/disposed for meat

Ask and indicate answers on the space provided the total number of ducks sold live/disposed for meat during the reference period. To get the total, simply add the number of ducks reported in column 2 and column 4 and indicate the answers in column 6.

Ask and indicate answers in column 3 and column 5 the average weight per head of duck sold live for meat during the reference period.

E2.c and E3.c Sold live for other purposes

Ask and indicate answers on the space provided the total number of ducks sold live for other purposes during the reference period. To get the total, simply add the number of ducks reported in column 2 and column 4 and indicate the answers in column 6.

Ask and indicate answers in column 3 and column 5 the average weight per head of duck sold live for other purposes during the reference period.

E4. Deaths/Losses

Inquire from the respondent and indicate answers on the spaces provided the total number of day old ducklings and other ducks that died in the farm during the reference period. To get the total, simply add the number of ducks reported in column 2 and column 4 and indicate the answers in column 6.

E4a. Day Old Duckling / E5b. Others (Specify)

Inquire from the respondent and indicate answers on the spaces provided the number of day old ducklings and other ducks that died in the farm during the reference period. To get the total, simply add the number of ducks reported in column 2 and column 4 and indicate the answers in column 6.

E4.1. Reasons of Death

E.4.1.a. Disease (specify)

Ask and indicate answer on the space provided the disease that caused the deaths/losses of day old ducklings and other ducks in farm during the reference period.

E.4.1.b. Other reason (specify)

Ask and indicate answers on the space provided other reason(s) of death of day old ducklings and other ducks in farm during the reference period.

NOTE: *Excluded in this item are ducks which died but were consumed. However, if the dead duck were disposed/buried and has no monetary/economic returns, it shall be reported under this item.*

Block F. EGG PRODUCTION

This block aims to collect egg production on the farm in terms of egg laying efficiency ratio (%) of Muscovy, Mallard, and Peking Duck. Egg laying efficiency ratio refers to the number of eggs to the number of layers at a given day.

F1 – F3. Muscovy / Mallard / Peking Duck Egg Laying Efficiency Ratio (%)

Ask and indicate answers on the spaces provided egg laying efficiency ratio (%) on the farm by type of duck during the reference quarter.

Block G. EGG DISPOSITION

G1. Sold/disposed (as fresh eggs)

Ask and indicate answers on the spaces provided the number of eggs sold/disposed by the farm during the reference quarter.

G2. Consumed at home/Given away

Ask and indicate answers on the spaces provided the number of eggs consumed at home/given away by the farm during the reference quarter.

G3. For hatching

Ask and indicate answers on the spaces provided the number of eggs hatched in the farm during the reference quarter

Block H. DISPOSITION BY AREA OF DESTINATION

This block intends to collect information on the number of ducks sold/disposed by area of destination during the reference period.

1. Of the total number of birds sold live/disposed for meat (*from E.1.b, E.2.b and E.3.b and E.4.b*) during the semester, how many were sold...

H.1.a. Within the Province

H.1.a.1. Sold live/disposed for meat

Ask and indicate answer on the space provided the number of ducks sold live/disposed for meat within the province during the reference period.

H.1.b. Outside the Province

H.1.b.1.a. Sold live to Metro Manila

Ask and indicate answer on the space provided the number of ducks sold live to be brought to Metro Manila during the reference period.

H.1.b.1.b. Sold live to Other Areas (*Specify*)

Ask and indicate answer on the space provided the number of ducks sold live to be brought to other areas outside the province during the reference period. Specify the area on the space provided.

H.1.c. Total

Compute for the sum of ducks sold live for meat by raisers and those that were hauled by integrators to be sold live for meat within the province and/or outside the province (Metro Manila and Other Areas). Indicate answer on the space provided.

2. Of the total number of eggs sold/disposed as fresh egg (G.1) during the semester, how many were sold...

H. 2.a. Within the Province

Ask and indicate answer on the space provided the number of eggs sold/disposed within the province during the reference period.

H.2.b. Outside the Province

H.2.b.1. Metro Manila

Ask and indicate answer on the space provided the number of eggs sold/disposed to Metro Manila during the reference period.

H.2.b.1. Other Areas

Ask and indicate answer on the space provided the number of eggs sold/disposed to other areas outside the province during the reference period. Specify the area on the space provided.

H.2.c. Total

Compute for the sum of the number of eggs sold within the province and/or outside the province (Metro Manila and Other Areas) and indicate the answer on the space provided.

Block I. INTERVIEW/SURVEY PARTICULARS

Follow instructions for same portion of CLPS Form 1.

5. CONCEPTS AND DEFINITIONS

The following concepts and terms are set for the purpose of this survey operation.

I. GENERAL TERMS:

- A. LIVESTOCK** - refers to animals kept or raised for consumption, work, or leisure. It includes carabao (buffalo), cattle, horse, hog and goat.
- B. POULTRY** - is a collective term for all domestic birds rendering economic service to man; it is also used to refer to the dressed carcass or fowls. It includes chicken (native, gamefowl, layer and broiler) and ducks.
- C. BACKYARD FARM** - any farm raising at least one head of animal or bird and does not qualify as a commercial farm.
- D. COMMERCIAL FARM** - defined in the survey as:
 - 1. Livestock:
 - a. at least 21 head of adults and zero young
 - b. at least 41 head of young animals
 - c. at least 10 head of adults and 22 head of young
 - 2. Poultry:
 - a. 500 layers or 1,000 broilers
 - b. 100 layers and 100 broilers if raised in combination
 - c. 100 head of duck regardless of age
- E. BREEDER** - refers to animals raised for the purpose of improving or maintaining the bloodline of the present stock. It may refer to animals raised to produce offspring.
- F. INVENTORY** - refers to the number of heads of live animals raised in the farm as of the reference period.
- G. SUPPLY (live animal)** - refers to the sum of the beginning inventory and the number of live birds within the reference period.
- H. DISPOSITION** - refers to the number of heads slaughtered on farm, sold live for slaughter, culled and died within the reference period. Disposed for other purposes include those stunted/defective animals removed from the herd or flock or given away.

- I. **BORN LIVE** - refers to the total number of animals born alive excluding still births.

II. SPECIFIC CONCEPTS BY ANIMAL TYPE:

A. CARABAO, CATTLE AND DAIRY

1. **BREED** - refers to group of animals having a common origin and distinct characteristics.
2. **PUREBREED** - is the result of breeding the unrelated animals coming from two or more pure breeds.
3. **CROSSBREED** - is the result of breeding the unrelated animals coming from two or more pure breeds.
4. **UPGRADED** - is the result of breeding the inferior breed animal with an improved breed.
5. **CARACOW/COW** - a female carabao/cattle that has already given birth including those which are pregnant and will give birth within the reference period.
6. **CARABULL/BULL** - adult uncastrated male carabao/ cattle.
7. **HEIFER** - female carabao/cattle usually under three years of age kept primarily for breeding but has not yet given birth.
8. **YEARLING** - refers to a large animal of either sex of 12-20 months of age.
9. **CULLING/CULLED** - undesirable animals eliminated from the herd or flock, usually unproductive breeders.
10. **SOLD LIVE OR SLAUGHTER** - refers to animals sold purposely for meat within the reference period.
11. **SLAUGHTERED ON FARM** - refers to animals butchered for commercial or home consumption during the reference period.
12. **DIED DUE TO DISEASES/ACCIDENTS** - refers to the total number of animals that have died of diseases/accident during the reference period.

B. SWINE, GOAT, SHEEP

1. **SOW** - refers to female swine usually kept for breeding and has farrowed at least once, including those which are pregnant and will give birth within the reference period.
2. **BOAR** - uncastrated male usually kept for breeding.
3. **FATTENER/FINISHER** - hog being fattened for slaughter.
4. **GROWER** - a young pig of either sex which is kept for fattening or meat purposes.
5. **WEANLING** - a young pig of either sex which has been separated from the sow.
6. **GILT** - a young female swine kept primarily for breeding but as not yet given birth.
7. **LITTER SIZE AT BIRTH** - refers to the number of piglets born or farrowed from one gestation.
8. **DOE** - a female goat usually kept for breeding and has already given birth, including those which are pregnant and will give birth within the reference period.
9. **EWE** - a female sheep usually kept for breeding and has already given birth, including those which are pregnant and will give birth within the reference period.
10. **BUCK OR BILLY** - male goat of any age kept for breeding purposes.
11. **RAM OR BUCK** - male sheep of any age kept for breeding purposes.
12. **KID** - goat of either sex below one year old.

C. CHICKEN AND DUCK

1. **BROILER** - chicken of foreign breed raised for meat purposes and usually disposed of within 30-35 days.
2. **LAYING FLOCK** - chicken or duck of foreign breed currently producing eggs.

