

# Philippines - Listing of Dairy Farms in Selected Provinces 2016

**Philippine Statistics Authority - National Economic and Development Authority**

Report generated on: June 6, 2019

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## Overview

### Identification

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ID NUMBER  
PHL-PSA-LDF-2016-v1.0

### Version

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VERSION DESCRIPTION  
Version 2.0: Final dataset for official estimates

PRODUCTION DATE  
2017-12

### Overview

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#### ABSTRACT

The Listing of Dairy Farms (LDF) in selected provinces was one of the special activities of the Livestock and Poultry Statistics Division (LPSD) under the Economics Sector Statistics Service (ESSS) of the Philippine Statistics Authority (PSA). It was undertaken to provide an updated sampling frame for the generation of dairy statistics. The 2016 LDF is a collaborative activity between the PSA and the Philippine Carabao Center (PCC). The project intended to update the list of dairy farms/enterprises all over the country where dairying exists. Initially, the first eight (8) provinces were identified by the PCC with National Dairy Authority (NDA) which are the "impact zones" of the two (2) agencies for the conduct of 2016 LDF. The main objective of the project was to update the characteristics of dairy farms/enterprises through a complete listing of barangays in the selected provinces of Cagayan, Isabela, Nueva Ecija, Bulacan, Batangas, Laguna, Bohol, and Misamis Orienta where dairying exist. Specifically, it aims to generate a profile of dairy farms by farm type. Information to be gathered includes farm capacity, legal status of the dairy farm and type of assistance received from the government. Moreover, it seeks to generate information on the type of dairy animals, breed of dairy animals, ownership of the dairy animal, purpose of dairy animal, number of animals on the milkline, and average milk production per head per day.

The 2016 LDF activities involved capturing "new" dairy farms and their characteristics; updating the status and characteristics of "existing" dairy farms; and de-listing of dairy farms that no longer exists. This activity covers household and commercial dairy farms in the priority provinces mentioned-above. These provinces were determined by PCC and NDA which are part of their impact zones. Dairying activity in these provinces is extensive, thus, their contribution to the total milk production in the country is very significant.

KIND OF DATA  
Census/enumeration data [cen]

UNITS OF ANALYSIS  
Households

Establishments

Enterprises

### Scope

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#### NOTES

The 2016 Listing of Dairy Farms (LDF) in selected provinces gathered information on dairy farm identification and characteristics such as farm capacity, type of dairy animals, breed of the dairy animals, specific name of breed of the dairy animals, ownership of dairy animals, purpose of dairy animals, total inventory, female breeder, number of animals on the

milklime and average milk production per head per day.

## TOPICS

Topic	Vocabulary	URI
Agriculture, forestry, fisheries	World Bank	

## Coverage

## GEOGRAPHIC COVERAGE

This cover the provinces of :

Cagayan

Isabela

Bulacan

Nueva Ecija

Batangas

Laguna

Bohol

Misamis Oriental

## UNIVERSE

All dairy farms in the selected provinces

## Producers and Sponsors

## PRIMARY INVESTIGATOR(S)

Name	Affiliation
Philippine Statistics Authority	National Economic and Development Authority

## OTHER PRODUCER(S)

Name	Affiliation	Role
Philippine Carabao Center	Department of Agriculture	Planning, Development of Instruments
National Dairy Authority	Department of Agriculture	Development of Instruments

## FUNDING

Name	Abbreviation	Role
Government of the Philippines	GOP	Full funding
- Philippine Carabao Center	PCC	Survey Operations
- Philippine Statistics Authority	PSA	Personnel Services

## Metadata Production

METADATA PRODUCED BY

<b>Name</b>	<b>Abbreviation</b>	<b>Affiliation</b>	<b>Role</b>
Livestock and Poultry Statistics Division	LPSD	Philippine Statistics Authority	Documentation of the survey

## DATE OF METADATA PRODUCTION

2018-07-20

## DDI DOCUMENT VERSION

Version 1.0 (July 2018). This is the first documentation prepared for this listing activity.

## DDI DOCUMENT ID

DDI-PHL-PSA-LDF-2016-v1.0

## Sampling

### **Sampling Procedure**

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Not applicable

# Questionnaires

## Overview

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The LDF 2016 utilized two (2) forms. The LDF Form 1 (List of Dairy Farms) and LDF Form 2 (Dairy Farm Questionnaire).

The LDF Form 1 is the list of dairy farms based on the result of 2015 listing activity in selected provinces. The information therein were updated during the 2016 LDF in terms of the status of the dairy farm whether operational, temporarily closed or permanently closed. Newly-identified dairy farms were also included in the LDF form 1. Updating of the list of dairy farms were done upon the conduct of field operations.

The LDF Form 2 is a one-page structured questionnaire that aimed to gather basic characteristics of the dairy farm. This was utilized only when the dairy farm indicated an operational status in LDF form 1. It was administered through personal interview of the owner or operator of the dairy farm or in their absence, to any person who was responsible or knowledgeable about the activity of the dairy farm.

## Data Collection

### Data Collection Dates

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Start	End	Cycle
2016-10-10	2016-11-24	N/A

### Data Collection Mode

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Face-to-face [f2f]

### Data Collection Notes

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Provincial Statistical Offices (PSOs) hired Statistical Researchers (SRs) and Data Processors (DPs). Prior to the data collection, the PSOs, SRs, and DPs underwent training to ensure smooth implementation of the activity. The training includes discussions of the overview of the survey, the concepts and definitions, proper way of accomplishing the LDF forms, mock interview and manual editing. This was done for all the participants involved to have a uniform understanding of the instructions in the survey. The second day, on the other hand, was allotted to training on data processing and generation of output tables.

Two (2) weeks prior to actual listing/enumeration, provincial staff were able to gather information on where the dairy farms are situated in the province using LDF Forms 6 and 6a. Specifically, at the city/municipality level, the staff identified barangays where dairy farms are present through the interview of Key Informants (KIs). A KI is a resident of the city/municipality or province who has a considerable degree of knowledge about the city/ municipality or province and can provide reliable information on dairy activities in the area.

The PSO Staff coordinated with the Provincial Agriculture Office, Planning Office and Provincial Veterinary Office and other possible KIs to gather information on the extent of dairy activities in the province. In case there are presence of PCC and NDA offices within the province, coordination among these offices were done to identify the LDF municipalities. In this way, PSO Staff were able to identify the cities/municipalities where dairy farms are located.

After identifying the cities/municipalities with dairy activity within the province, Provincial Staff validated the said information through further probing. In coordination with the KIs from the city/municipal offices, the barangays with dairy farms within the municipality were recognized. At this point, the PSO Staff were able to generate a list of barangays where dairy farms are present and was validated further during the actual enumeration.

All identified barangays with presence of dairy farms were enumerated. The enumeration activity was conducted by the SRs with the Provincial Staff closely supervising all field operation activities to ensure the quality of the data collected. The hired SRs have undergone the training on the data collection, concepts and procedures for the conduct of listing. They were also provided with all the necessary materials for data collection including an identification card that will serve as proof that they are duly authorized by the PSA to conduct interview in all dairy farms in the area.

Before the listing operations, a courtesy call to the barangay officials, especially the Punong Barangay, was done to introduce the listing activity using the cover letter signed by the National Statistician (NS) of PSA and to ensure the safety of SRs during the data collection. Some barangay officials assisted in the identification of all dairy farms in the area and helped in planning the best strategy for the entire enumeration period.

Using the result of the 2015 LDE and the information from the KIs and officials of the barangay as starting point, SRs were able to locate and interview all dairy farms in the barangay. Also, through a snowball approach, inquiry on other possible dairy farm operators within or outside the barangay from the interviewed respondents was made. All identified dairy farms from the snowball ball approach were also interviewed and included in the list.

Enumeration involved updating the list of dairy farms and listing of new farms in the barangay using LDF Form 1 - List of Dairy Farms. For all farms that are operational, LDF Form 2 - 2016 Dairy Farm Questionnaire was utilized to record the characteristics of the dairy farms. The hired SRs and/or LDF focal persons visited the dairy farms to conduct a face-to-face interview with any of the qualified respondent.

In order to ensure the quality of data being collected, field editing was conducted. The SRs scrutinized the accomplished

questionnaires as to completeness of required data items and consistency of data between items before concluding the interview with the respondent. Accomplished LDF Form 1 and LDF Form 2 was reviewed and edited by the SRs before leaving the premise of the dairy farm.

## Questionnaires

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## Data Collectors

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Name	Abbreviation	Affiliation
Provincial Statistics Offices, Philippine Statistics Authority	PSA	National Economic Development Authority

## Supervision

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Field supervision was undertaken by the Provincial Statistical Office (PSO) staff in their respective area of assignments. The Provincial Chief Statistical Specialist/OICs served as overall supervisor in the province, while the Chief of the Statistical Operation and Coordination Division-Regional Statistical Services Office assist the Regional Directors in the overall supervision of the region. Central Office technical staff also made field visits in some provinces to observe the field operations. Among the responsibilities of the supervisor were the conduct of SRs training prior to data collection, doing spotchecking and backchecking activities during and after data collection, editing of completed returns, addressing of problems encountered by the SRs under him/her supervision and reporting to Central Office the significant findings that may contribute to the analysis of the listing activity.

## Data Processing

### Data Editing

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The processing system used in the 2016 LDF was developed by the System Development Division (SDD) of PSA. Census and Survey Processing System (CSPRO), which is the programming language used in most of the PSA surveys, was utilized for this activity. Output tables including the specifications were provided by LPSD to SDD for easier tabulation of data.

Data Processors (DPs) were hired to process the data gathered. They were closely monitored by PSO staff to assure the quality of the data generated. Prior to the start of data processing, training of hired DPs was conducted by selected staff of SDD. A week after the commencement of data collection, processing of accomplished listing forms was done in the provincial offices.

Data processing includes manual and machine processing. Manual processing involves editing and checking for consistency of answers to the data items and codes provided. This was done by the Provincial Focal Person. Machine processing, on the other hand, includes encoding of data, validation of encoded data and generation of output tables.

# Data Appraisal

## Other forms of Data Appraisal

Overall consolidation of data files for the generation of output tables were done by SDD while the national data review and validation were conducted by LPSD. In order to assure the timeliness of submission of outputs, deadline for transmission of the required data files was set by LPSD. The PSOs submitted the generated outputs to RSSOs while the final regional outputs were sent by the RSSOs to CO-LPSD.

To check the accuracy, validity and completeness of the output produced, series of data review and validation were done at provincial, regional and national levels. After generating the output tables, the PSOs, together with their respective LDF Focal Persons, conducted a provincial data review and validation at their respective offices. Subsequently, a data review and validation were done at the regional level to further validate the data obtained in the province/s with the RSSO and PSO heads and staff as participants. One of the outputs produced in this activity was the final data files that were submitted to CO.

After securing a copy of generated outputs of all regions from SDD, selected LPSD staff conducted review and validation to ensure the correctness of the submitted data. Spatial analysis of the data was done in comparing the outputs of selected provinces.

During the comprehensive review of the data files and output tables conducted by the LPSD, some inconsistencies in the data items were observed. This was presented during a meeting between the LPSD and SDD-ITDS last 28 February 2017.

In view of this, and in the preparation for the packaging of the terminal report and the list of dairy farms, it was recommended by LPSD and SDD to conduct a workshop on the Revalidation of LDF Results in the concerned PSOs.

Initially, it was planned that a team composed of 2 LPSD staff and 2 SDD staff shall go to the LDF provinces for the conduct of the workshop on the revalidation of LDF results. However, due to unavailability of the SDD staff, only LPSD staff went to the concerned provinces for the conduct of the said workshop.

The CO team and LDF focal persons/ provincial staff in the POs performed the revalidation in the selected provinces mentioned above. They were provided with the results for a comprehensive review to meet the objectives of the activity. Below were the procedures followed during the revalidation:

1. Initially, results of the 2016 LDF were presented by the Team Leader from the CO to the provincial staff. The output tables were presented including comments observed by the LPSD during the review at CO. Thorough discussions on the issues presented related to the output tables and raw data.
2. Using the results of the comprehensive review, the team verified the issues or inconsistencies found in each dairy farm identified from the accomplished 2016 LDF Forms. All the data items in the accomplished LDF Forms which were found with problems were counterchecked and reviewed further. In some instances, the team contacted the dairy farms and verified the data items with problems and/or conducted a ground validation depending on the magnitude of the problem and performed a face-to-face interview with respondents of the dairy farm.
3. After the issues or inconsistencies were checked and reflected in the accomplished LDF Forms for each of the dairy farm, the master file and data files were updated. This was done immediately right after verifications until all the dairy farms were cleared of issues or inconsistencies.
4. Through the assistance of SDD and the Focal Persons in the provinces, all the required output tables were generated.
5. The final output table were then presented for approval by the PSO.
6. Finally, copies of the required outputs were secured for consolidation at the CO.

Simultaneous with the conduct of review and validation of data, the LPSD spearheaded a workshop to prepare the terminal report for 2016 LDF. The said workshop was held at Pasig City. A presentation was held at Quezon City on the results of 2016 LDF to PSA and PCC Management.

With clearance from the PSA Management, the 2016 LDF terminal report was disseminated to selected RSSOs and PSOs of the PSA.

## File Description

## Variable List

**LDF\_2016\_v1**

Content	The file contains data related to the items in LDF Form 2 or the Dairy Farm Questionnaire.
Cases	0
Variable(s)	24
Structure	Type: Keys: ()
Version	
Producer	Philippine Statistics Authority (PSA)
Missing Data	

**Variables**

ID	Name	Label	Type	Format	Question
V38	Reg	Region	discrete	numeric	A1 Region
V39	Prov	Province	discrete	numeric	A2 Province
V40	ID	ID	discrete	character	
V41	Legal_Stat_of_Org	Legal Status of Dairy Farm	discrete	numeric	Legal Status of the Dairy Farm
V42	Office_Add	Office Address of Dairy Farm	discrete	numeric	Office address of dairy farm
V43	Mem_Coop	Screening for membership in Cooperatives	discrete	numeric	Is the owner/ operator a member of cooperative?
V44	Mem_Mother_Com	Screening for engagement with a Mother Company	discrete	numeric	Does the dairy farm has a mother company?
V45	Engaged_Paiwi	Screening for engagement with "Paiwi"	discrete	numeric	Is the dairy farm engaged in "Paiwi"?
V46	Assistance	Screening for the assistance from the government agencies	discrete	numeric	Did the farm receive any assistance from PCC And/or NDA?
V47	PCC_Assisted	Screening for the assistance from Philippine Carabao Center	discrete	numeric	Did the farm receive any assistance from PCC And/or NDA?
V48	PCC_Assistance	Kind of assistance received from PCC	discrete	character	What type of assistance did you receive from PCC and/or NDA?
V49	NDA_Assisted	Screening for the assistance from National Dairy Authority	discrete	numeric	Did the farm receive any assistance from PCC And/or NDA?
V50	NDAAssistance	Kind of assistance received from NDA	discrete	character	What type of assistance did you receive from PCC and/or NDA?
V51	Farm_Cap	Farm Capacity	contin	numeric	C1 Farm Capacity What is the maximum number of dairy animals (farm capacity in heads) that can be raised in the farm?
V52	Anim_Type	Type of Dairy Animals	discrete	numeric	What is/are the type/s of dairy animal/s being raised in the farm?
V53	Breed	Breed of Dairy Animals	discrete	numeric	What is/are the breed/s of dairy animal/s raised in the farm?
V54	Spec_Name_Breed	Specific Name of Breed	discrete	character	What is the specific name of breed/s of the dairy animal/s (Item C3)?

ID	Name	Label	Type	Format	Question
V55	Own_Dairy_Anim	Ownership of Dairy Animals	discrete	numeric	With regards to ownership of these dairy animals, are these owned by/under _____?
V56	Prpse_Dairy_Anim	Purpose of Dairy Animals	discrete	numeric	What is the purpose of the dairy animal/s?
V57	Tot_Inv	Total Inventory	contin	numeric	As of _____, how many dairy animals are there in the farm?
V58	Fem_Breeder_Inv	Female Breeder Inventory	contin	numeric	As of _____, of the total number of dairy animals (item C7) raised in the farm, how many is/are female breeder/s?
V59	Anim_Milkline	Animals in the Milkline	contin	numeric	As of _____, of the female breeder/s (item C8), how many is/are on the milkline?
V60	Ave_milk_prod	Average Milk production per head per day	contin	numeric	What is the average milk produced per head per day (in L) by the dairy animal/s listed in item C9?
V61	Rmrks	Remarks	discrete	character	Write in this portion other relevant information that would support the data indicated in this form.



## Region (Reg)

File: LDF\_2016\_v1

**Overview**

Type: Discrete	Valid cases: 0
Format: numeric	Invalid: 0
Width: 2	
Decimals: 0	
Range: 2-10	

**Literal question**

A1 Region

**Interviewer instructions**

On the specific spaces provided, copy from LDF Form 1 the name of the Region (Item A1)

## Province (Prov)

File: LDF\_2016\_v1

**Overview**

Type: Discrete	Valid cases: 0
Format: numeric	Invalid: 0
Width: 2	
Decimals: 0	
Range: 10-49	

**Literal question**

A2 Province

**Interviewer instructions**

On the specific spaces provided, copy from LDF Form 1 the name of the Povince (Item A1)

## ID (ID)

File: LDF\_2016\_v1

**Overview**

Type: Discrete	Valid cases: 0
Format: character	Invalid: 0
Width: 12	

## Legal Status of Dairy Farm (Legal\_Stat\_of\_Org)

File: LDF\_2016\_v1

**Overview**

Type: Discrete	Valid cases: 0
Format: numeric	Invalid: 0
Width: 1	
Decimals: 0	
Range: 1-6	

**Description**

## Legal Status of Dairy Farm (Legal\_Stat\_of\_Org)

### File: LDF\_2016\_v1

For the purpose of the 2016 Listing of Dairy Farms (LDF), legal status of the dairy farm is any of the following:

1. Individual Proprietor is when the dairy animal/s is/are owned by a person on his/her own account who may be the landowner, lessee, tenant or owner/lessee with hired manager.
2. Partnership is a form of business organization and ownership, whether or not registered with the Securities and Exchange Commission (SEC), that results from a contract between two or more competent persons to associate themselves in a common ownership and management of a lawful business enterprise for profit.
3. Corporation is an organization formed for a definite purpose, under authority obtained from the government, treated as an artificial person, separate and apart from its owners/stockholders. Thus, it can own property, make contracts, borrow money, sue and be sued, all in its name, without involving its unlimited number of owners/stockholders in any liability more than the money they have invested in it. Note that this refers to private corporations only.
4. Cooperative is an organization composed primarily of small producers and consumers who voluntarily join together to form a business enterprise, which they themselves own, control, and patronize.
5. Other private institution refers to an organization owned and operated by a group of persons with the same interest and who bonded themselves together. This excludes private corporations. Examples are charitable institutions and private schools.
6. Government corporation/institution refers to an organization owned and operated by the government. Examples are penal colonies, agricultural schools, correctional institutions, National Development Corporation, Philippine Carabao Center, University of the Philippines Los Baños Experimental Station, and Bureau of Animal Industry.
7. Others - other than mentioned above.

#### Source of information

2016 Listing of Dairy Farms (LDF) Field Operations Manual

#### Literal question

Legal Status of the Dairy Farm

#### Post question

Check the applicable box

#### Interviewer instructions

Ask the legal status of the dairy farm and check the appropriate code on the provided selection. If the status of the dairy farm does not fall on choices 1 to 6, check choice 7 and specify the legal status of the dairy farm on the space provided.

## Office Address of Dairy Farm (Office\_Add)

### File: LDF\_2016\_v1

#### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: 10-49

Valid cases: 0  
Invalid: 0

#### Literal question

Office address of dairy farm

#### Interviewer instructions

Write on the corresponding spaces provided the name of Province, City/Municipality, Barangay and No. Street/Sitio/Purok where the office is located. If the office is within the farm location use that address. Write in the small boxes their respective codes.

## Screening for membership in Cooperatives (Mem\_Coop)

### File: LDF\_2016\_v1

#### Overview

## Screening for membership in Cooperatives (Mem\_Coop)

File: LDF\_2016\_v1

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 1-2

Valid cases: 0  
Invalid: 0

### Literal question

Is the owner/ operator a member of cooperative?

### Post question

Check applicable box

### Interviewer instructions

Ask the respondent whether the owner/operator is a member of a cooperative or not and check the appropriate box. If the answer is YES, proceed and ask Items B9 - B10.d. If NO, proceed to Item B11

## Screening for engagement with a Mother Company

(Mem\_Mother\_Com)

File: LDF\_2016\_v1

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 1-2

Valid cases: 0  
Invalid: 0

### Description

Mother company, for the purpose of this listing activity, this refers to an entity to which the farm has an agreement to or contract for raising animal with the end return of profit-sharing or other agreed-upon arrangements. Usually the mother company will provide the inputs such as young animal, feeds, etc., and the farm owner will provide the housing, labor, etc. Other forms of arrangement may vary between the two parties. An example of farm with a mother company is the nursery farm, contract grower, etc. Those farms that are managed by the mother company for special purpose (location and period specific) are called satellite farm, e.g. nursery farm.

### Source of information

2016 Listing of Dairy Farms (LDF) Field Operations Manual

### Literal question

Does the dairy farm has a mother company?

### Post question

Check applicable box

### Interviewer instructions

Ask the respondent whether the dairy farm has a mother company or none and check the appropriate box. If the answer is YES, proceed and ask Items B12 - B13.d. If NONE, proceed to Item B14.

If the dairy farm interviewed is the mother company, indicate the name and location of the satellite farm in the remarks portion. On the other hand, if the satellite farm is interviewed, write the name of the satellite farm in Item B1 and the name of the mother company in Item B11.

## Screening for engagement with "Paiwi" (Engaged\_Paiwi)

File: LDF\_2016\_v1

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 1-2

Valid cases: 0  
Invalid: 0

## Screening for engagement with "Paiwi" (Engaged\_Paiwi)

File: LDF\_2016\_v1

### Description

Paiwi- means that the owner would put in trust a dairy animal to a raiser or trusted individual to raise his dairy animal. Any offspring, as well as, any increase in the monetary value of the entrusted dairy animal would be equally divided in half between the owner and the raiser. The raiser may opt to buy the share of owner in each succeeding offspring or the other way around. Another term for this is called "PAALAGA".

### Source of information

2016 Listing of Dairy Farms (LDF) Field Operations Manual

### Literal question

Is the dairy farm engaged in "Paiwi"?

### Post question

Check applicable box

### Interviewer instructions

Ask if the dairy farm is engaged in "paiwi" and check the appropriate box. If the answer is YES, proceed and ask Item B15. If NO, proceed to Item B16.

## Screening for the assistance from the government agencies (Assistance)

File: LDF\_2016\_v1

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 1-2

Valid cases: 0  
Invalid: 0

### Literal question

Did the farm receive any assistance from PCC And/or NDA?

### Interviewer instructions

Ask whether the dairy farm have received any form of assistance from PCC and/or NDA and check the appropriate box. If YES, proceed and ask Item B17. If NO, proceed to Block C.

## Screening for the assistance from Philippine Carabao Center (PCC\_Assisted)

File: LDF\_2016\_v1

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 1-2

Valid cases: 0  
Invalid: 0

### Literal question

Did the farm receive any assistance from PCC And/or NDA?

### Interviewer instructions

Ask whether the dairy farm have received any form of assistance from PCC and/or NDA and check the appropriate box. If YES, proceed and ask Item B17. If NO, proceed to Block C.

## Kind of assistance received from PCC (PCC\_Assistance)

File: LDF\_2016\_v1

### Overview

Type: Discrete	Valid cases: 0
Format: character	Invalid: 0
Width: 14	
Invalid: 0	

### Literal question

What type of assistance did you receive from PCC and/or NDA?

### Interviewer instructions

If the answer in Item B16 is YES, identify the specific assistance provided by each government agency to the dairy farm on the space provided.

Use the back page of the form if the space is not sufficient for the answer and indicate when the assistance was received. Otherwise, skip this item .

## Screening for the assistance from National Dairy Authority (NDA\_Assisted)

File: LDF\_2016\_v1

### Overview

Type: Discrete	Valid cases: 0
Format: numeric	Invalid: 0
Width: 1	
Decimals: 0	
Range: 1-2	

### Literal question

Did the farm receive any assistance from PCC And/or NDA?

### Interviewer instructions

Ask whether the dairy farm have received any form of assistance from PCC and/or NDA and check the appropriate box. If YES, proceed and ask Item B17. If NO, proceed to Block C.

## Kind of assistance received from NDA (NDAAssistance)

File: LDF\_2016\_v1

### Overview

Type: Discrete	Valid cases: 0
Format: character	Invalid: 0
Width: 14	

### Literal question

What type of assistance did you receive from PCC and/or NDA?

### Interviewer instructions

If the answer in Item B16 is YES, identify the specific assistance provided by each government agency to the dairy farm on the space provided.

Use the back page of the form if the space is not sufficient for the answer and indicate when the assistance was received. Otherwise, skip this item .

## Farm Capacity (Farm\_Cap)

File: LDF\_2016\_v1

### Overview

## Farm Capacity (Farm\_Cap)

File: LDF\_2016\_v1

Type: Continuous  
Format: numeric  
Width: 4  
Decimals: 0  
Range: 1-1500

Valid cases: 0  
Invalid: 0

### Description

Farm Capacity refers to the maximum number of animals that the farm can accommodate.

### Source of information

2016 Listing of Dairy Farms (LDF) Field Operations Manual

### Literal question

C1 Farm Capacity

What is the maximum number of dairy animals (farm capacity in heads) that can be raised in the farm?

### Interviewer instructions

Ask the maximum number of dairy animals (farm capacity in heads) that can be raised in the farm. Write the answer in line 1 of column 1 in whole number. For several farms located in the same barangay and owned/operated by the same person, the maximum capacity for these farms must be aggregated.

Take Note of the following:

- For backyard, the inventory is the farm capacity.
- For commercial farms, the maximum number of animals that can be raised in the farm/grazing area.
- Farm capacity may be equal or greater than the total inventory. One indicator of farm capacity is the number of animals raised per hectare.

## Type of Dairy Animals (Anim\_Type)

File: LDF\_2016\_v1

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 1-3

Valid cases: 0  
Invalid: 0

### Description

Dairy animals refer to animals producing milk such as carabao, cattle and goat for calf and human consumption.

The types of dairy animals are defined as follows:

- 1 - Carabao - popularly known as water buffalo that originated from India, used as draft/transport animal and also suitable for milk production.
- 2 - Cattle - general term for the members of the Bovidae family, wild (*Bibos spp.*) or domestic (*Bos spp.*). Domestic cattle have two species: *Bos Taurus* or European breeds and *Bos indicus* or Zebu breeds or oriental domestic cattle. Can be used as draft/transport animal but is mostly utilized for milk production.
- 3 - Goat - an animal of genus *Capra*, family *Capridae*, comprising of various agile, hollow horned ruminants closely related to sheep.

### Source of information

2016 Listing of Dairy Farms (LDF) Field Operations Manual

### Pre question

C2 TYPE OF DAIRY ANIMALS

### Literal question

What is/are the type/s of dairy animal/s being raised in the farm?

### Post question

Enter applicable code

### Interviewer instructions

## Type of Dairy Animals (Anim\_Type)

### File: LDF\_2016\_v1

Ask what types of dairy animals are raised in the dairy farm. Enter the appropriate code/s on the space provided. If more than one animal type is present in the farm, use separate lines. For different breeds, ownerships and purposes, use a separate line for each combination of Items C2 to C6.

In filling-out this portion, the answers to the succeeding items must correspond to the dairy animal on the same line number. Thus, it is a must that after entering the appropriate code for the type of dairy animal in Line Number 1, ask immediately Items C3 to C10. Same procedure shall be done for Line Number 2 to Line Number n until all dairy animal types in the farm are listed.

## Breed of Dairy Animals (Breed)

### File: LDF\_2016\_v1

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 1-4

Valid cases: 0  
Invalid: 0

#### Description

Breed refers to a group of animals having a common origin and distinct characteristics that produce true to type offspring.

The breeds of dairy animals are defined as follows:

1. Purebreed- refers to the result of breeding animals coming from the same foreign breed.
2. Crossbreed - refers to the result of breeding two different pure breeds.
3. Upgraded - refers to the result of breeding non-dairy breeds (native) with dairy breed animals (usually foreign breed). This classification is only applicable to cattle and goat.
4. Native - refers to any indigenous animal not belonging to categories (a) Purebreed, (b) Crossbreed and (c) Upgraded.

#### Source of information

2016 Listing of Dairy Farms (LDF) Field Operations Manual

#### Pre question

C3 BREED OF THE DAIRY ANIMALS

#### Literal question

What is/are the breed/s of dairy animal/s raised in the farm?

#### Post question

Enter applicable code

#### Interviewer instructions

Ask the breed of dairy animals raised in the farm.

Example:

Carabao (Native, Purebreed and Crossbreed)

Cattle and Goat (Native, Purebreed, Crossbreed and Upgraded)

A farm may have multiple breeds in the farm, as such, use separate line number for each breed. Enter the appropriate code for the breed of the dairy animal on the space provided.

Note: Dairy Cattle/Goat-UPGRADED is possible in 2 ways:

1. when a native animal is crossed with a purebred; and
2. when an upgraded animal crossed with a purebred to increase the dairy bloodline of its offspring such as from 60% to 70%.

## Specific Name of Breed (Spec\_Name\_Breed)

File: LDF\_2016\_v1

### Overview

Type: Discrete  
Format: character  
Width: 8

Valid cases: 0  
Invalid: 0

### Pre question

C4 SPECIFIC NAME OF BREED OF THE DAIRY ANIMALS

### Literal question

What is the specific name of breed/s of the dairy animal/s (Item C3)?

### Post question

Write in entry

### Interviewer instructions

Ask and write the specific name of breed of the dairy animals on the space provided. Refer to the Matrix of Breed of Animals provided.

Take Note of the following:

For code 1 (Purebreed) - only one name of breed must be indicated per row

For code 2 (Crossbreed) - indicate two names of purebreed per row

For Code 3 (Upgraded) - indicate the name of native and the name of purebreed/s per row

For Code 4 (Native) - indicate the name of the native

## Ownership of Dairy Animals (Own\_Dairy\_Anim)

File: LDF\_2016\_v1

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 1-6

Valid cases: 0  
Invalid: 0

### Description

Form of ownership of the dairy animals is any of the following:

1. Dairy Farm - is when the dairy animals are owned by the dairy farm as indicated in item B1.
2. PCC Cooperative- the dairy animal is still owned by the cooperative. This may be dispersed by the cooperatives to its members in the form of loan where it can be paid either in cash or by its offspring. Verify from the provided PCC list of cooperatives.
3. NDA Cooperative - the dairy animal is still owned by the cooperative. This may be dispersed by the cooperatives to its members in the form of loan where it can be paid either in cash or by its offspring. Verify from the provided NDA list of cooperatives.
4. Non-PCC/NDA Cooperative or Association-is when the dairy animal is acquired from a non-PCC/NDA assisted cooperative or association and receives no assistance from the two government agencies.
5. Contract Growing-is when the dairy animals are acquired through an agreement with an entity with the purpose of raising the animals to produce milk. The milk produced will be taken by the "Mother Company"/source of the dairy animals for processing, selling, etc. with an agreed price.
6. "Paiwi" System-is when the dairy animals are acquired through "paiwi"/"paalaga" system from another entity. Paiwi means that the owner would put in trust a dairy animal to a raiser or trusted individual to raise his dairy animal. Any offspring, as well as, any increase in the monetary value of the entrusted dairy animal would be equally divided in half between the owner and the raiser. Another term for this is called "PAALAGA".

### Source of information

2016 Listing of Dairy Farms (LDF) Field Operations Manual

### Pre question

C5 OWNERSHIP OF DAIRY ANIMALS

## Ownership of Dairy Animals (Own\_Dairy\_Anim)

File: LDF\_2016\_v1

### Literal question

With regards to ownership of these dairy animals, are these owned by/under \_\_\_\_\_?

### Post question

Enter applicable code

### Interviewer instructions

This item determines the form of ownership of the dairy animals in the farm.

Ask the form of ownership of the dairy animals and enter the appropriate code on the space provided. This may be different for each animal type raised in the dairy farm, thus, enter the appropriate code corresponding to the animal type entered in the same line number in Item C2.

## Purpose of Dairy Animals (Prpse\_Dairy\_Anim)

File: LDF\_2016\_v1

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 1-5

Valid cases: 0  
Invalid: 0

### Description

The following are the description of each purpose:

1 - For Milk Production Only - animals in the farm are raised solely to produce milk intended to be bought by the cooperatives, sold to others, and consumed at home (exclusive of milk fed to calves).

2 - For Breeding Only - animals are raised to increase the purebred and crossbreed stock and to propagate the animals with dairy blood. Only nucleus and multiplier farms are considered in this purpose.

Types of breeding farm:

Breeding Farm (Nucleus Farm) refers to a farm that is engaged in breeding animals with the purpose of producing purebred stock. Usually, a nucleus farm has great grandparent (GGP) and grandparent stock (GP).

Breeding Farm (Multiplier Farm) refers to a farm that is engaged in breeding animals with the purpose of producing crossbred animals. It maintains a crossbreed grandparent stock (GP). An example of this type of breeding farm for carabao is in UP Los Baños.

3 - For Work Only - animals are used as draft. This only refers to animals with dairy bloodline.

4 - For Breeding and Milk Production-animals raised in breeding farms that are occasionally producing milk for sale, home consumption or processing.

5 - For Work and Milk Production- animals are used as draft and at the same time in the production of milk.

### Pre question

C6 PURPOSE OF DAIRY ANIMALS

### Literal question

What is the purpose of the dairy animal/s?

### Post question

Enter applicable code

### Interviewer instructions

For each type of dairy animal in the farm, ask the purpose for which it is intended and enter the appropriate code on the space provided. Enter only one code for this item for each line.

If the answer to this item is either codes 1, 4 and 5, ask Items C7 to C10 and proceed to the next block. Otherwise, for codes 2 or 3, ask Items C7 and C8 and proceed to the next block.

## Total Inventory (Tot\_Inv)

File: LDF\_2016\_v1

### Overview

Type: Continuous  
Format: numeric  
Width: 3  
Decimals: 0  
Range: 1-587

Valid cases: 0  
Invalid: 0

### Description

Inventory- actual number of animals present in the as of a specific reference date regardless of ownership.

### Pre question

C7 TOTAL INVENTORY

### Literal question

As of \_\_\_\_\_, how many dairy animals are there in the farm?

### Post question

Please Indicate Date of Visit

### Interviewer instructions

Ask the total inventory of dairy animals raised per animal type, breed, ownership, and purpose as of the date of visit and enter on the space provided.

Note: Inventory (Item C7) should be less than or equal to farm capacity (Item C1).

## Female Breeder Inventory (Fem\_Breeder\_Inv)

File: LDF\_2016\_v1

### Overview

Type: Continuous  
Format: numeric  
Width: 3  
Decimals: 0  
Range: 0-423

Valid cases: 0  
Invalid: 0

### Description

Female Breeder refers to the adult female dairy animal that has given birth and has the capability to produce milk.

### Source of information

2016 Listing of Dairy Farms (LDF) Field Operations Manual

### Pre question

C8 FEMALE BREEDER

### Literal question

As of \_\_\_\_\_, of the total number of dairy animals (item C7) raised in the farm, how many is/are female breeder/s?

### Post question

Please Indicate Date of Visit

### Interviewer instructions

From the total inventory per dairy animal type, breed, ownership, and purpose, ask how many female breeders are there in the farm as of the date of visit.

Note: Number of female breeders (Item C8) should be less than or equal to Inventory (Item C7).

## Animals in the Milkline (Anim\_Milkline)

File: LDF\_2016\_v1

### Overview

## Animals in the Milkline (Anim\_Milkline)

File: LDF\_2016\_v1

Type: Continuous  
 Format: numeric  
 Width: 3  
 Decimals: 0  
 Range: 0-240

Valid cases: 0  
 Invalid: 0

**Description**

Animals on the Milkline - refers to the number of female breeders that are milking as of the date of visit.

**Source of information**

2016 Listing of Dairy Farms (LDF) Field Operations Manual

**Pre question**

C9 NUMBER OF ANIMALS ON THE MILK LINE

**Literal question**

As of \_\_\_\_\_, of the female breeder/s (item C8), how many is/are on the milkline?

**Post question**

Please Indicate Date of Visit

**Interviewer instructions**

Ask and indicate on the space provided the number of dairy animals on the milk line as of the date of visit.

Note: Number of animals on the milk line (Item C9) should be less than or equal to inventory of female breeders (Item C8)

## Average Milk production per head per day (Ave\_milk\_prod)

File: LDF\_2016\_v1

**Overview**

Type: Continuous  
 Format: numeric  
 Width: 5  
 Decimals: 2  
 Range: 0-14

Valid cases: 0  
 Invalid: 0

**Pre question**

C10 AVERAGE MILK PRODUCTION PER HEAD PER DAY

**Literal question**

What is the average milk produced per head per day (in L) by the dairy animal/s listed in item C9?

**Interviewer instructions**

Ask the average milk produced per head per day during the lactation period of the animal/s on the milk line. Indicate the answer in liter and in two decimal places on the appropriate line number corresponding to the dairy animal type entered in column 2.

Note: If there is no reported animal on the milk line (Item C9), there should be no average milk production per head per day.

## Remarks (Rmrks)

File: LDF\_2016\_v1

**Overview**

Type: Discrete  
 Format: character  
 Width: 100

Valid cases: 0  
 Invalid: 0

**Literal question**

Write in this portion other relevant information that would support the data indicated in this form.

**Interviewer instructions**

## Remarks (Rmrks)

### File: LDF\_2016\_v1

This portion shall be used to record additional relevant information/situation related to the operation of the dairy farm gathered by the SR based on his/her observation and probing. Hired SRs may use local dialect for this portion, however, during manual editing of supervisors remarks shall be translated in English or Filipino.

# Documentation

## Questionnaires

### Dairy Farm Questionnaire

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Title	Dairy Farm Questionnaire
Author(s)	Philippine Statistics Authority
Country	Philippines
Language	English
Publisher(s)	Philippine Statistics Authority
Description	The LDF Form 2 is a one-page questionnaire that aims to gather basic characteristics of the dairy farm. This shall be utilized when the status of the dairy farm is operational. It is to be administered through personal interview to the owner or operator of the dairy farm or in their absence, to any person who is responsible or knowledgeable about the activity of the dairy farm.
Filename	LDF Form 2.pdf

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## Technical documents

### Field Operations Manual

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Title	Field Operations Manual
Author(s)	Philippine Statistics Authority
Country	Philippines
Language	English
Description	This FIELD OPERATIONS MANUAL for the 2016 Listing of Dairy Farms (LDF) and Profiling of Dairy Farms in selected provinces was crafted to serve as guide to both central office and field office personnel for the smooth implementation and uniformity of instructions for the various phases of the 2016 LDF operation.  It presents the objectives, scope and coverage, and the data items to be collected. It also discusses the field operations procedures and instructions in accomplishing the LDF forms.
Filename	LDF Field Operations Manual.zip

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## Other materials

### List of Dairy Farms

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Title	List of Dairy Farms
Author(s)	Philippine Statistics Authority
Country	Philippines
Language	English
Publisher(s)	Philippine Statistics Authority
Description	The LDF Form 1 is the list of dairy farms based on the result of 2015 listing activity in selected provinces. The information therein shall be updated during the 2016 LDF in terms of the status of the dairy farm whether operational, temporarily closed or permanently closed. Newly-identified dairy farms shall also be included in the LDF form 1. Updating of dairy farms shall be done upon the conduct of field operations.
Filename	LDF Form 1.pdf

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## LDF Administrative Forms

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Title	LDF Administrative Forms
Author(s)	Philippine Statistics Authority
Country	Philippines
Language	English
Publisher(s)	Philippine Statistics Authority
	LDF Form 3 -3a (Monitoring Form)
	The LDF Form 3 shall be used to monitor the progress of the field operations. The LDF Monitoring Form shall have two (2) types:
	1. LDF Form 3a (Daily Monitoring Form) - this is a one page form that will be used by the hired SRs and DPs to monitor the progress of the field operations and data processing, respectively. Each SR and DP shall submit the form every Monday after the reference week.
	2. LDF Form 3 (PSO Monitoring Form) - this is a one page form that will be used by the PSOs to monitor the progress of the field operations. This comprises the consolidated daily monitoring forms submitted twice a month by the hired SRs and DPs and will be sent every Tuesday starting October 25, 2016 until the completion of the activity. The RSSOs shall then submit the monitoring form to Central Office through the emails.
	LDF Form 4 (Narrative Report Form)
Description	The LDF Form 4 is a summarized report of all the activities undertaken during field operations. These shall be prepared by the PSOs and will be submitted to RSSOs right after the provincial data review. RSSO shall also submit the consolidated narrative report right after the regional data review.
	LDF Form 5 (Appointment Slip)
	The LDF Form 5 will be administered only if the respondent of dairy farm is not available for interview during the time of visit or preferred to be interviewed on specified time and date.
	LDF Form 6-6a (List of LDF Cities/Municipalities/Barangays)
	The LDF Form 6 is the list of all cities/municipalities while LDF Form 6a is the list of all barangays. These forms shall serve as checklist of PSO staff in identifying dairy barangays in the cities/municipalities through Key Informants Approach.
	LDF Form 7 (Bundle Cover)
	The LDF Form 7 will be used as label for a set of folio containing LDF Form 1 and LDF Form 2 of all barangays in each city/municipality.
	LDF Form 8 (Cover Letter)
Filename	LDF Administrative Forms.zip

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