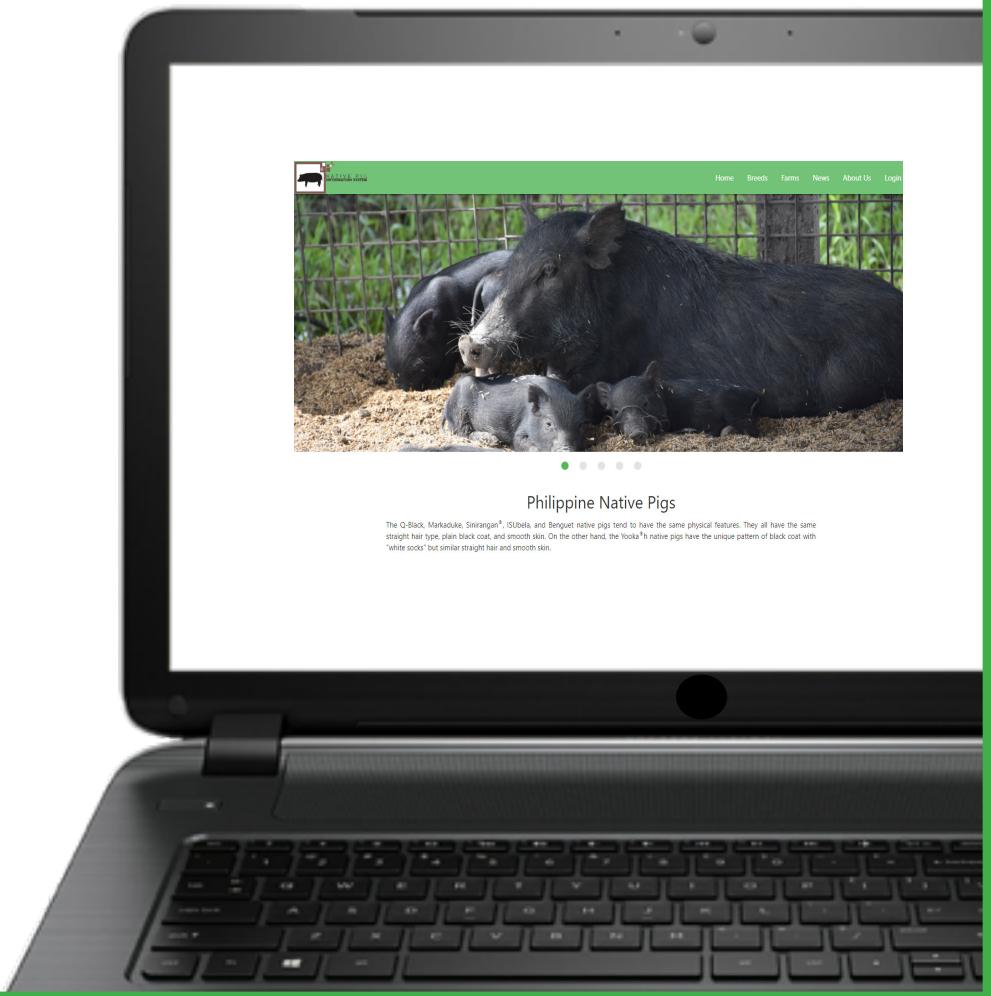


Native Pig Breed Information System

USER GUIDE





Native Pig Breed Information System Portal User Guide

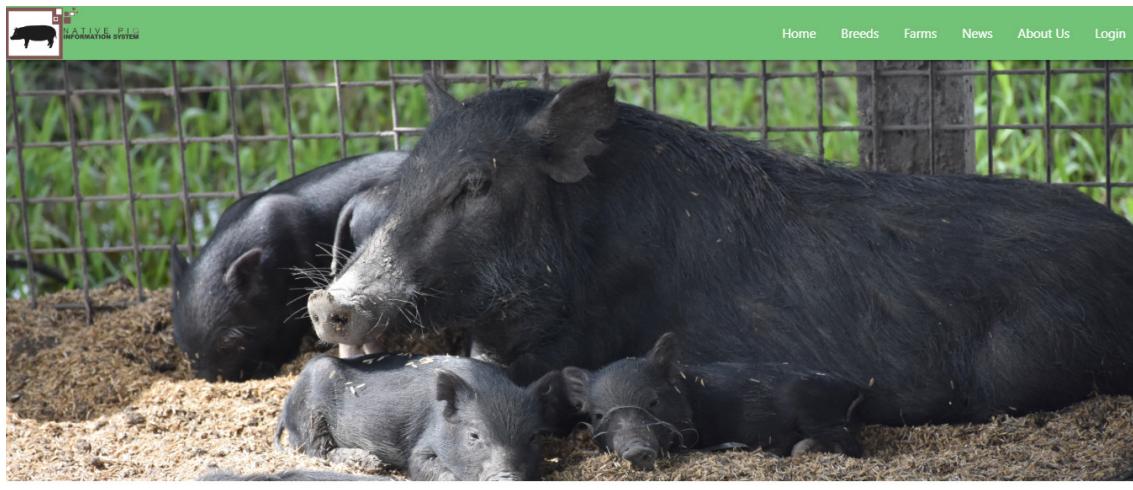


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Homepage

Welcome to the Philippine Animal Breed Information System (PAB-IS)!



Philippine Native Pigs

The Q-Black, Markaduke, Sinirangan®, ISUBela, and Benguet native pigs tend to have the same physical features. They all have the same straight hair type, plain black coat, and smooth skin. On the other hand, the Yooka®h native pigs have the unique pattern of black coat with "white socks" but similar straight hair and smooth skin.

- From the PAB-IS website, upon clicking the link for the Native Pig Breed Information System, this will be the landing page.
- It contains all the information for public viewing
- It contains a slider which automatically switches from different photos.
- The navigation bar above contains the links to Breeds, Farms, News, and the information about the project (About Us). It also contains the link to login via Google for the registered farms.
- This is a single page which contains all the information. The respective navigation link for Breeds, Farms, News, or About Us will bring the user to the part of the page where the said content is.

Homepage

Breeds



Home Breeds Farms News About Us Login

Philippine Native Pigs

The Q-Black, Markaduke, Sinirangan®, ISUbelá, and Benguet native pigs tend to have the same physical features. They all have the same straight hair type, plain black coat, and smooth skin. On the other hand, the Yookah® native pigs have the unique pattern of black coat with "white socks" but similar straight hair and smooth skin.

Among the six genetic groups, at 180 days of age, the smallest is Yookah® with a weight of 15 kilograms, while the bigger ones are Q-Black and Markaduke, with weights between 30-40 kilograms.

Reproductive Performance

The Markaduke and ISUbelá native pigs farrow seven (7) piglets per litter, while Yookah® on average has four (4) piglets.

In terms of birth weight, Q-Black is usually the heaviest at 0.84 kilogram on average, followed by ISUbelá and Benguet at 0.77 kilogram.

Q-Black and Markaduke are weaned at forty-two (42) to forty-five (45) days. Piglets of ISUbelá were weaned as early as thirty-four (34) days with an average weight of 3.00 kilograms.

Gilts at 6 months



- This section contains all the available breeds in the Philippines.
- To view the description of a certain breed, the user can click icon opposite to the breed name.



Home Breeds Farms News About Us Login

Gilts at 6 months



Q-Black



Benguet Native Pig



Homepage

News and About us Pages

- This section contains all the news and posts about Native Pigs.
- Clicking the section for a certain news or post will show the whole article.
- This section contains the description of the project and the website.



Home Breeds Farms News About Us Login

News



Articles coming soon!



Home Breeds Farms News About Us Login

About Us

What do you need to know about the data available in the Philippine Native Pig Breed Information System?

The Project

The "Development of Philippine Native Pig Breed Information System" is a DOST-PCAARRD funded project of the Institute of Animal Science in cooperation with the Institute of Computer Science, University of the Philippines Los Baños. The project aims to provide an accessible information source regarding selected Philippine Native Pig Breeds.

The Goal

The information in the website is accessible to the public and is hoped to be able to provide support for policy makers, community development practitioners, researchers, livestock keepers, and entrepreneurs towards native pig breed management.

On the other hand, there is a recording system feature of the website, which registered farmers can use.

The Data

The data available in this website include the morphological and reproductive performance traits of each native pig genetic group based on the records of the current breeders.

The following are the data collected:

Qualitative Data	Quantitative Data
Hair type	Body weight
Coat color and pattern	Head length

Homepage

Farms and Cooperators and Login Pages

- This section contains all the available Native Pig farms in the Philippines.
- It contains the contact details of the point person for each farm.

The screenshot shows a list of farms under the heading "Farms and Cooperators". Each entry includes the farm name, its location, contact person, and phone number. A red arrow points from the "Login" link in the top navigation bar down to the "Farms and Cooperators" section.

Farm Name	Location	Contact Person	Phone Number
Benguet Native Pig	The Animal Genetic Resource Project - Benguet State University	Dr. Sonwright B. Maddul	0929 311 3996 / 0916 364 2039
Sinirangan®	ESSU Sinirangan® Pig Center - Eastern Samar State University Borongan Campus	Dr. Felix A. Afable / Dr. Sharon B. Singzon	essuphinativepig@gmail.com
ISU Bela	Isabela State University Echague Campus	Dr. Joel L. Reyes	0917 362 5996 / joellreyes@yahoo.com

Clicking "LOGIN" in the navigation bar will redirect the user to this page.

The web application uses login via Google. All registered farms can login using their respective registered Gmail account.

The screenshot shows a "Choose an account" page for logging in via Google. It lists several accounts associated with the "nativeanimals" account. A red arrow points from the "Login" link in the top navigation bar down to the "Choose an account" section.

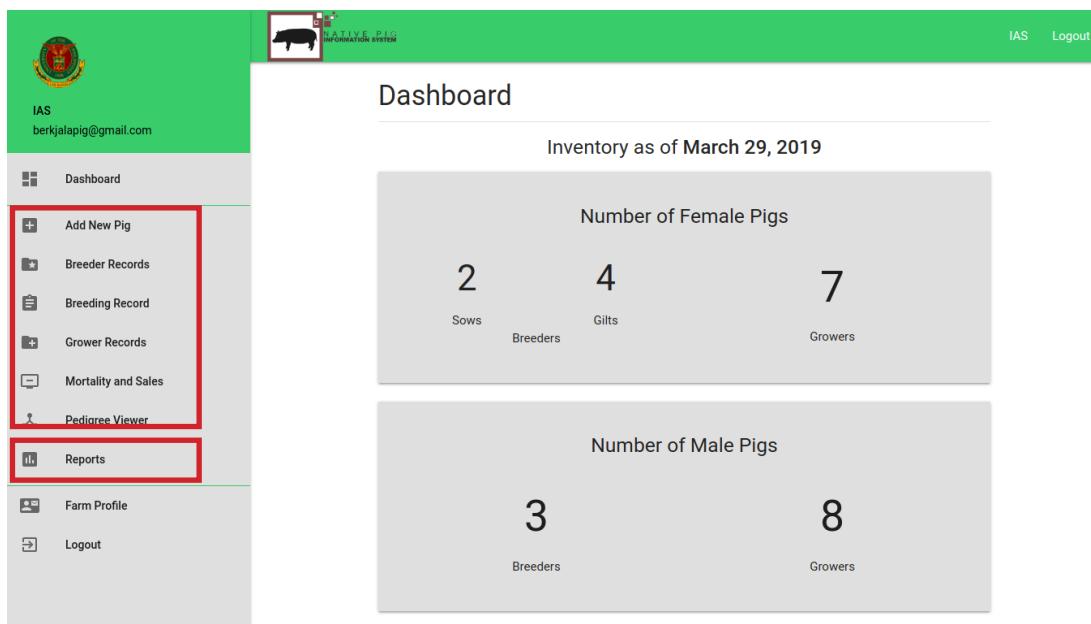
Account	Action
Berkjala Pig berkjalapig@gmail.com	Signed out
Use another account	

To continue, Google will share your name, email address, and profile picture with nativeanimals.

English (United States) ▾ Help Privacy Terms

DASHBOARD

- This is the landing page upon signing in - the farm's dashboard.
- It is divided into two sections: inventory and graphs.
- The dashboard shows an inventory of the female and male pigs categorized into breeders and growers, as of the current date.
- The numbers in this page are automatically updated every time the number of pigs in the farm changes.



1

2

IAS
berkjalapig@gmail.com

NATIVE PIG INFORMATION SYSTEM

Dashboard

Inventory as of March 29, 2019

Number of Female Pigs

2	4	7
Sows	Breeders	Growers

Number of Male Pigs

3	8
Breeders	Growers

IAS Logout

- The gray panel on the left side contains the menu.
- The main menu is divided into two—the recording system (1) and reports generation (2).
- The “Reports” tab has an expandable menu upon clicking, which includes the following: Gross Morphology, Morphometric Characteristics, Growth Performance, Production Performance, Monthly Performance, Breeder Inventory, Grower Inventory, and Mortality and Sales.

DASHBOARD

For the graphs section, it has the monthly performance report for the current year. It has four (4) graphs:

1. *monthly bred, monthly farrowed, monthly weaned*
2. *total born alive, number of males, number of females, average born alive*
3. *total littersize weaned, average weaned*
4. *average birth weight, average weaning weight*



Using the Recording System

- A. Add New Pig*
- B. Breeder Records*
- C. Breeding Records*
- D. Grower Records*
- E. Mortality and Sales*

Using the Recording System: Add New Pig

- In this page, you can add the pigs with cases of the following: foundation stock, bought from another farm, or any pig which does not have records of its dam and sire.

The screenshot shows the 'Add New Pig' page. On the left is a sidebar with navigation links: Dashboard, Add New Pig (which is selected), Breeder Records, Breeding Record, Grower Records, Mortality and Sales, Pedigree Viewer, Reports, Farm Profile, and Logout. The main area has a green header with the system logo and 'Logout'. Below the header is the title 'Add New Pig'. At the top right are two radio buttons: 'Add as Breeder' (selected) and 'Grower'. Below these are two required fields: 'Animal EarNotch *' and 'Sex *', both circled in red. Further down are optional fields: 'Date of Birth', 'Birth weight, kg', 'Date Weaned', 'Dam's EarNotch', and 'Sire's EarNotch'. At the bottom is a dark green 'ADD +' button with a red asterisk next to it indicating it is required. Red arrows point from the left towards the circled fields and from the bottom towards the 'ADD +' button.

- The required fields in this form are the Animal EarNotch and the Sex of the pig (encircled items). Leaving the rest blank, tells the system that there are no data available for those properties.
- You can add a pig either as a 'Breeder' or a 'Grower', just click either of them at the top of the page.
- After filling up the necessary fields, just click the dark green button at the bottom part named "Add" to submit the data.

Using the Recording System: Breeder Records

Main page

- In this page, all your current (alive) breeders are listed, categorized as sows and boars.

The Breeder Records page has a search bar wherein the users can type any part of the registration ID and the results will show just below the search bar. The results consist of both female and male breeders.

Registration ID	Gross Morphology	Morphometric Characteristics	Weight Record
LAGIASBerkjala-2019F064545			
LAGIASBerkjala-2018Fhello2			
LAGIASBerkjala-2018F00well (Old ID: LAGIASBerkjala-2018Fhello3)			
LAGIASBerkjala-2018Fhello9			
LAGIASBerkjala-2018Fchange (Old ID: F00test)			

There are four columns in this list: Registration ID, Gross Morphology, Morphometric Characteristics, and Weight Record.

- Under **Gross Morphology, Morphometric Characteristics, and Weight Record** columns are either two icons.

The icon means that there are no properties under the said column.

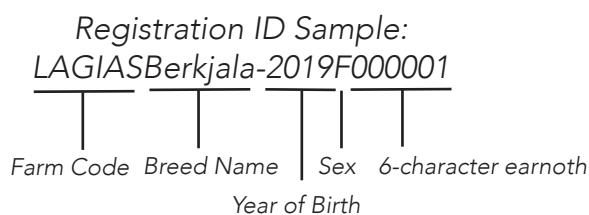
The icon means that there are already properties and they can be edited.

Using the Recording System: Breeder Records

- There is also an archive section in this page. The archive lists the breeders which have already died, been sold, or culled.
- The user can only view the pig's profile but will not be able to add or edit the records.

Registration ID	Status	View Record
LAGIASBerkjala-2018F000001	Dead	

- **Registration ID** refers to the unique registry ID generated by the system (Sample below). If one information is missing like year of birth, now value will be seen. Sex and eartag number are required fields. Blue-colored Registration IDs means they are viewable—at least one from the three characterizations were filled up.



Using the Recording System: Breeder Records

Inputting data under Gross Morphology

Breeder Records			
SOWS	BOARS		
Registration ID	Gross Morphology	Morphometric Characteristics	Weight Record
LAGIASBerkjala-2018F001233	<input type="button" value="+"/>	<input type="button" value="+"/>	<input type="button" value="+"/>
LAGIASBerkjala-2018F0renz1	<input type="button" value="+"/>	<input type="button" value="+"/>	<input type="button" value="+"/>
LAGIASBerkjala-2019Frenz11	<input type="button" value="+"/>	<input type="button" value="+"/>	<input type="button" value="+"/>
LAGIASBerkjala-2018FNYG001	<input type="button" value="+"/>	<input type="button" value="+"/>	<input type="button" value="+"/>
LAGIASBerkjala-2018FNYG802	<input type="button" value="+"/>	<input type="button" value="+"/>	<input type="button" value="+"/>
LAGIASBerkjala-F000001	<input type="button" value="+"/>	<input type="button" value="+"/>	<input type="button" value="+"/>

- When you click the plus icon under the "Gross Morphology" column in Breeder Records, you will be redirected to this page (image below).
- This is where you will tick the chosen characteristics of the selected pig.

The screenshot shows the 'Gross Morphology' input page for pig LAGIASBerkjala-F000003. On the left is a sidebar with user information and navigation links. The main area has a title 'Gross Morphology: LAGIASBerkjala-F000003'. It contains a form with various characteristic fields, each with a red arrow pointing to it from a callout box containing explanatory text.

Date Collected	Other Marks
<input type="text"/>	<input type="text"/> Enter values separated by commas
<input type="radio"/> Curly	<input type="radio"/>
<input type="radio"/> Short	<input type="radio"/> Wrinkled
<input type="radio"/> Black	<input type="radio"/>
<input type="radio"/> Plain	<input type="radio"/>
<input type="radio"/> Concave	<input type="radio"/>
<input type="radio"/> Smooth	<input type="radio"/>
<input type="radio"/> Drooping	<input type="radio"/>
<input type="radio"/> Curly	<input type="radio"/>
<input type="radio"/> Swayback	<input type="radio"/>

Date Collected: The "date collected" field is optional, leaving it blank will tell the system that the data was collected on the day that you input your data.

Other Marks: The "other marks" field is also optional, leaving it blank will tell the system that there are no other distinct marks recorded for the pig.

- Gross morphology is commonly assessed at 180 days of age.
- The characteristics being recorded are the following: hair type, hair length, coat color, color pattern, head shape, skin type, ear type, tail type, backline, and other marks.

Using the Recording System: Breeder Records

Uploading a photo under Gross Morphology

- On the same page, you can upload a photo of the pig, preferably like that of the photo on the right.
- Take note that uploading a photo is optional.



The screenshot shows the "Gross Morphology" form in the system. On the left is a sidebar with user information (IAS, berkjlapig@gmail.com) and navigation links (Dashboard, Add New Pig, Breeder Records, Breeding Record, Grower Records, Pedigree Viewer, Mortality and Sales, Reports, Farm Profile, Logout). The main area has a title "NATIVE PIG INFORMATION SYSTEM". The form fields include: Hair Type (radio buttons for Curly, Straight, Short, Long, Black, Plain, Concave, Smooth, Drooping, Curly, Swayback), Hair Length (radio buttons for Curly, Straight, Short, Long, Others), Coat Color (radio buttons for Black, Plain, Concave, Smooth, Drooping, Curly, Swayback), Color Pattern (radio buttons for Curly, Straight, Short, Long, Black, Plain, Concave, Smooth, Drooping, Curly, Swayback), Head Shape (radio buttons for Curly, Straight, Short, Long, Black, Plain, Concave, Smooth, Drooping, Curly, Swayback), Skin Type (radio buttons for Curly, Straight, Short, Long, Black, Plain, Concave, Smooth, Drooping, Curly, Swayback), Ear Type (radio buttons for Curly, Straight, Short, Long, Black, Plain, Concave, Smooth, Drooping, Curly, Swayback), Tail Type (radio buttons for Curly, Straight, Short, Long, Black, Plain, Concave, Smooth, Drooping, Curly, Swayback), Backline (radio buttons for Curly, Straight, Short, Long, Black, Plain, Concave, Smooth, Drooping, Curly, Swayback), and Other Marks (text input field with placeholder "Enter values separated by comma"). Below the form are "Upload photo" (with eye icon and "View sample" link), "UPLOAD" button, and "SAVE" button. A yellow callout box with a red arrow from the sidebar says: "The sample photo can be found by clicking this eye icon." Another yellow callout box with a red arrow from the bottom right says: "After accomplishing the form, submit by clicking the "Save" button at the bottom. "Save" button will change to "Update" button after the information has been submitted successfully."

The sample photo can be found by clicking this eye icon.

After accomplishing the form, submit by clicking the "Save" button at the bottom. "Save" button will change to "Update" button after the information has been submitted successfully.

Using the Recording System: Breeder Records

Checking updated data on Gross Morphology

- This is a sample data for the pig with Registration ID: LAGIASBerkjala-F0000003.
- Select the value by clicking the circle beside it.
- The options for each characteristic, if not clicked, will tell the system that you did not specify anything.

The screenshot shows the 'Gross Morphology' input page for a pig with Registration ID LAGIASBerkjala-2018F0001-2. The left sidebar shows the user's profile (berkjalapig@gmail.com) and a navigation menu with links like Dashboard, Add New Pig, Breeder Records, Breeding Record, Grower Records, Mortality and Sales, Pedigree Viewer, Reports, Farm Profile, and Logout. The main content area has a header 'Gross Morphology: LAGIASBerkjala-2018F0001-2'. It contains two tables for 'Date Collected' and 'Characteristics'. The 'Characteristics' table lists various traits with radio button options. At the bottom, there is an 'Upload photo' section with a file input field and a green 'UPLOAD' button.

Date Collected	Date Collected
Hair Type	<input checked="" type="radio"/> Curly <input type="radio"/> Straight
Hair Length	<input checked="" type="radio"/> Short <input type="radio"/> Long
Coat Color	<input checked="" type="radio"/> Black <input type="radio"/> Others
Color Pattern	<input checked="" type="radio"/> Plain <input type="radio"/> Socks
Head Shape	<input checked="" type="radio"/> Concave <input type="radio"/> Straight
Skin Type	<input checked="" type="radio"/> Smooth <input type="radio"/> Wrinkled
Ear Type	<input checked="" type="radio"/> Drooping <input type="radio"/> Semi-lop <input type="radio"/> Erect
Tail Type	<input checked="" type="radio"/> Curly <input type="radio"/> Straight
Backline	<input checked="" type="radio"/> Swayback <input type="radio"/> Straight
Other Marks	Enter values separated by commas

Upload photo

UPLOAD

SOWS	
Registration ID	Gross Morphology
LAGIASBerkjala-2018F001233	
LAGIASBerkjala-2018F0renz1	
LAGIASBerkjala-2019Frenz11	
LAGIASBerkjala-2018FNYG001	
LAGIASBerkjala-2018FNYG802	
LAGIASBerkjala-F000001	

- After submitting the data you input, if you will go back to Breeder Records, the icon under "Gross Morphology" will now be a pencil one, or the edit icon.
- Clicking this icon will redirect you to a page showing a similar format but pre-filled with all the data you entered.

Using the Recording System: Breeder Records

Inputting data for Morphometric Characteristics

Click the plus icon under the "Morphometric Characteristics" to enter the values per property for a chosen pig.

- You will then be redirected to the page (image below) where you will input the different characteristics to be recorded: ear length, head length, snout length, body length, heart girth, pelvic width, tail length, height at withers, and number of normal teats.
- To fill up the page, just fill up the fields opposite the labels.
- You can leave the fields blank if you do not have data for these properties.
- Morphometric characteristics are usually taken at 180 days of age.

The "date collected" field is optional, leaving it blank will tell the system that the data was collected on the day that you input your data.

Using the Recording System: Breeder Records

Inputting data for Morphometric Characteristics



IAS
berkjalapig@gmail.com



[Edit Morphometric Characteristics: LAGIASBerkjala-2018F0renz1](#)

Date Collected	17 February, 2019
Ear Length, cm	9
Head Length, cm	20
Snout Length, cm	14
Body Length, cm	68
Heart Girth, cm	72
Pelvic Width, cm	16
Tail Length, cm	16

This is a sample input data for the pig with Registration ID LAGIASBerkjala-2018F0renz1.

Breeder Records

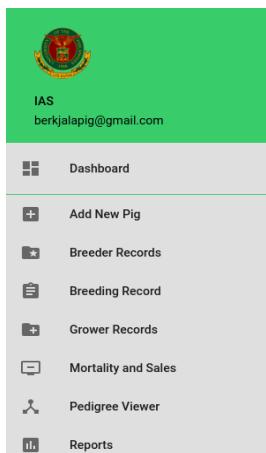
 Search Record

SOWS		BOARS	
Registration ID	Gross Morphology	Morphometric Characteristics	Weight Record
LAGIASBerkjala-F00003			
LAGIASBerkjala-2015F0002-7			
LAGIASBerkjala-2015F0002-8			
LAGIASBerkjala-2018F0004-1			

- After accomplishing the form, click the “Save” button to submit.
- Now, the icon under “Morphometric Characteristics” will look like a pencil, or the edit icon.
- Clicking this icon will redirect you to a page showing a similar format but pre-filled with all the data you entered.

Using the Recording System: Breeder Records

Inputting Data for Weight Records

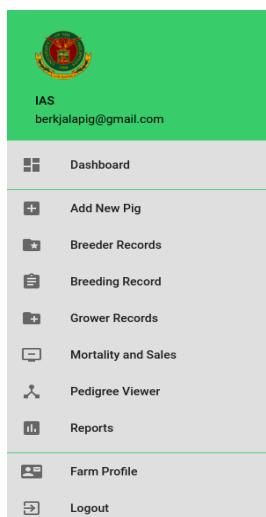


Breeder Records

SOWS		BOARS	
Registration ID	Gross Morphology	Morphometric Characteristics	Weight Record
LAGIASBerkjala-2018F001233			
LAGIASBerkjala-2018F0renz1			
LAGIASBerkjala-2019Frenz11			
LAGIASBerkjala-2018FNYG001			
LAGIASBerkjala-2018FNYG802			

Click the plus icon under the "Weight Records" column to enter the values per property for a chosen pig.

- You will then be redirected to the page (image below) where you will input the weights of the pig.
- All date collected fields are optional, leaving them blank leaves the system to compute on its own according to the birth date of the pig. If the pig does not have a birth date, this will be left blank.



Weight Records: LAGIASBerkjala-F000001

Body Weight at 45 Days	Weight	Date Collected
Body Weight at 60 Days	Weight	Date Collected
Body Weight at 90 Days	Weight	Date Collected
Body Weight at 150 Days	Weight	Date Collected
Body Weight at 180 Days	Weight	Date Collected

SAVE

Using the Recording System: Breeder Records

Inputting Data for Weight Records

- Type your first input and click the “Save” button to submit the data.
- Upon submitting your first input, all “date collected” fields will be pre-filled on the next time you will enter data for the weight. This also helps to remind you of the date when you will collect the next weight will be. The pre-filled date can be changed to the actual date when the animal is weighed.
- Since you will be collecting weights from 45, 60, 90, 150, and 180 days of age, you will have to update the “Weight Records” page from time to time.
- To add the weight data for the other dates, just click the pencil or edit icon.
- After you enter the weight value, just click the “Save” button to submit.

The screenshot shows the user interface of the Native Pig Breed Information System. On the left is a sidebar with a green header containing the logo and email address (berkjalapig@gmail.com). Below the header are several menu items: Dashboard, Add New Pig, Breeder Records (which is selected), Breeding Record, Grower Records, Mortality and Sales, Pedigree Viewer, Reports, Farm Profile, and Logout. The main content area has a white background with a green header bar at the top. The header bar contains a pig icon and the text "Edit Weight Records: LAGIASBerkjala-2018F0008-2". The main content area displays a table with six rows, each representing a weight record. The columns are "Body Weight at Weaning" (with a help icon), "Weight" (containing the value 4.3), and "Date Collected" (containing the value 2018-12-23). Similar rows follow for 45, 60, 90, 150, and 180 days. At the bottom right of the content area is a green "UPDATE" button with a checkmark icon.

Body Weight at Weaning ⓘ	4.3	2018-12-23
Body Weight at 45 Days	5.8	2019-01-05
Body Weight at 60 Days	8	2019-01-20
Body Weight at 90 Days ⓘ	12.1	2019-02-23
Body Weight at 150 Days	Weight	2019-04-20
Body Weight at 180 Days	Weight	2019-05-20

UPDATE ✓

Using the Recording System: Breeder Records

Viewing the sow's data

- After accomplishing any of the characterization forms (Gross Morphology, Morphometric Characteristics, and Weight Record), the pig's profile will be available for viewing.
- Just click the Registration ID of the chosen pig and it will redirect you to the page where you can view the pig's profile (images below)

The screenshot shows the application's main interface. On the left is a vertical sidebar with a green header containing the logo and email address (berkjalapig@gmail.com). Below the header, the sidebar lists various menu items: Dashboard, Add New Pig, Breeder Records, Breeding Record, Grower Records, Mortality and Sales, Pedigree Viewer, Reports, Farm Profile, and Logout. The main content area has a white header with the title 'View Sow' and a back arrow icon. Below the header is a small cartoon pig icon. To the right of the pig is the registration ID 'LAGIASBerkjala-2019F064545'. Underneath the ID is a table with the following data:

Birth date: 27 July, 2019	Sex ratio (M:F): 1:1
Parity born: 1	Weaning weight: No data available
Birth weight: 1.545 kg	Age at weaning: No data available
Littersize Born Alive: 2	Age at First Mating: 14 months

At the bottom of the main content area is a section titled 'Pedigree' with two entries: 'LAGIASBerkjala-2014M000001' and 'LAGIASBerkjala-2014F000002'.

Using the Recording System:

Breeder Records

Viewing the sow's data

This page contains the following sections:

- individual record of the animal
- single-generation pedigree,
- gross morphology,
- morphometric characteristics, and
- weight record

An additional property, Ponderal Index, is also displayed. This is a computed value derived from the body weight at 180 days and body length so if either one of the two properties are not yet entered or not specified at all, the value of this property will not be available.

- Individual records include
- litter record of pig at birth
 - weaning weight,
 - age at weaning and
 - age at first mating.

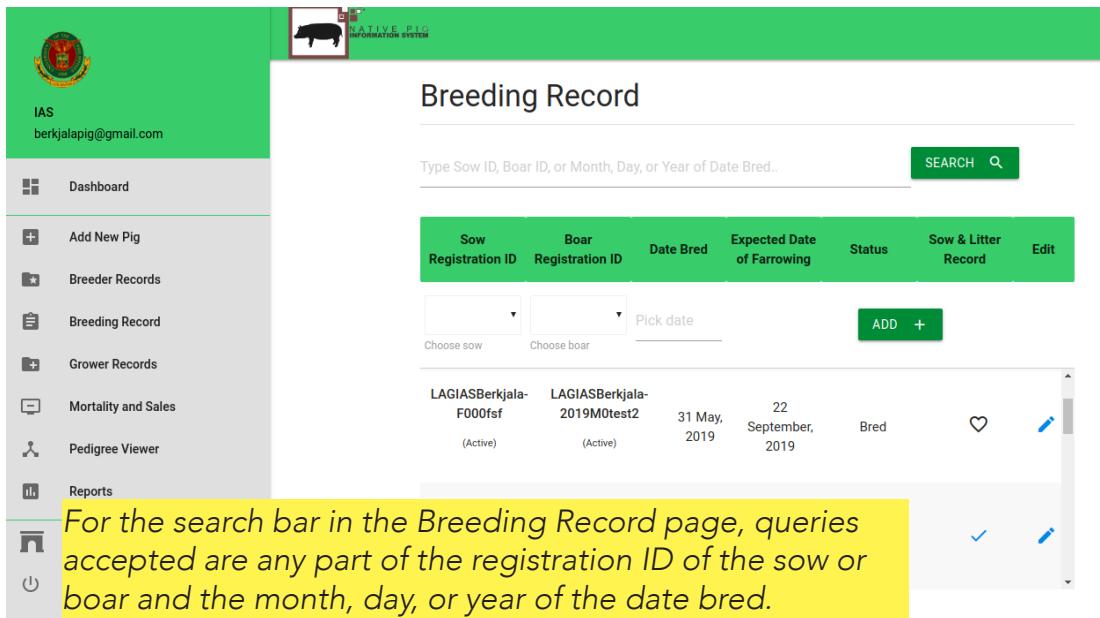
BSU	benguetpig@gmail.com
	Dashboard
	Add New Pig
	Breeder Records
	Breeding Record
	Grower Records
	Mortality and Sales
	Pedigree Viewer
	Reports
	Farm Profile
	Logout

GROSS MORPHOLOGY AT 270 DAYS		MORPHOMETRIC CHARACTERISTICS AT 270 DAYS	
Hair Type	Straight	Ear Length	Not specified
Hair Length	Long	Head Length	23 cm
Coat Color	Black	Snout Length	9 cm
Color Pattern	Socks	Body Length	77 cm
Head Shape	Straight	Heart Girth	76 cm
Skin Type	Smooth	Pelvic Width	20 cm
Ear Type	Erect	Tail Length	Not specified
Tail Type	Straight	Height at Withers	46 cm
Backline	Straight	Number of Normal Teats	11
Other Marks	white tail switch	Ponderal Index	74.47 kg/m ³

Using the Recording System: Breeding Record

Main page

- This page is for keeping track of the farm's breeding records.
- It is important to know the date when the pigs were mated since it is required for this form. In this page, you can add and view breeding records.
- The Sow and Litter Record is only accessible from this page.



The screenshot shows the 'Breeding Record' page. On the left is a sidebar with the logo, user info (IAS, berjkjalapig@gmail.com), and a list of links: Dashboard, Add New Pig, Breeder Records, Breeding Record (which is selected and highlighted in green), Grower Records, Mortality and Sales, Pedigree Viewer, Reports, and a power icon. The main content area has a header 'Breeding Record' and a search bar with placeholder text 'Type Sow ID, Boar ID, or Month, Day, or Year of Date Bred..'. Below the search bar is a table with columns: Sow Registration ID, Boar Registration ID, Date Bred, Expected Date of Farrowing, Status, Sow & Litter Record, and Edit. A row in the table shows data for a sow and boar mated on May 31, 2019, with an expected farrowing date of September 22, 2019, and a status of 'Bred'. There are edit and delete icons for this row. A yellow callout box with a red arrow points to the search bar, containing the text: 'For the search bar in the Breeding Record page, queries accepted are any part of the registration ID of the sow or boar and the month, day, or year of the date bred.'



This screenshot shows the same 'Breeding Record' page after a search has been performed. The search bar now contains the text '31 May, 2019'. A red circle highlights the search bar and the 'SEARCH' button. Below the search bar, a message says 'Search results for 45:' followed by a table with 45 rows. The first two rows of the search results table are shown:

Sow Registration ID	Boar Registration ID	Date Bred	Expected Date of Farrowing	Status	Sow & Litter Record	Edit
LAGIASBerkjala-2018Fhello1	LAGIASBerkjala-2019M004545	31 May, 2019	22 September, 2019	Bred		
LAGIASBerkjala-2018F00new1	LAGIASBerkjala-2019M004545	22 January, 2019	16 May, 2019	Bred		

Using the Recording System:

Breeding Record

Adding an Entry for the Breeding Status

(1) To add an entry for the Breeding Record, choose a sow and a boar's Registration ID from the dropdown box (encircled below).

(2) Then pick the date when the two pigs mated.

The screenshot shows the 'Breeding Record' page. On the left, there's a sidebar with a calendar for 'Wed, Oct 31'. The main area has columns for 'Sow Used', 'Boar Used', 'Date Bred', 'Expected Date of Farrowing', 'Status', 'Sow & Litter Record', and 'Edit'. Two entries are listed:

Sow Used	Boar Used	Date Bred	Expected Date of Farrowing	Status	Sow & Litter Record	Edit
LAGIASBerkjala-2014F00000 (Culled)	LAGIASBerkjala-2014M000001 (Culled)	14 February, 2019	8 June, 2019	Farrowed	<input checked="" type="checkbox"/>	<input type="button" value="Edit"/>
LAGIASBerkjala-2019M004545 (Active)	LAGIASBerkjala-2019M004545 (Active)	27 July, 2018	18 November, 2018	Farrowed	<input checked="" type="checkbox"/>	<input type="button" value="Edit"/>
		11 December, 2018	4 April, 2019	Recycled	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>

(3) Click the "Add" button to submit the information. A breeding record will then be created. Based on the date bred entered, the system automatically computes the expected date of farrowing.

Using the Recording System: Breeding Record

Changing the Breeding Status

- You can change the status of the breeding record by clicking the  icon under the "Edit" column. The default status is "Bred" with a corresponding icon of  Other statuses (with their corresponding icons) include:

Pregnant 

Farrowed 

Recycled 

Aborted (No icon)

- The "Pregnant" status means that you can already add its Sow and Litter record.
- The "Farrowed" status means that the Sow and Litter Record is viewable.
- The "Aborted" status will ask you for the Date Aborted under the "Sow & Litter Record" column in the Breeding Record.
- The statuses "Aborted" and "Recycled" will produce an  icon under the "Edit" column which means that the Breeding Record can no longer be edited.

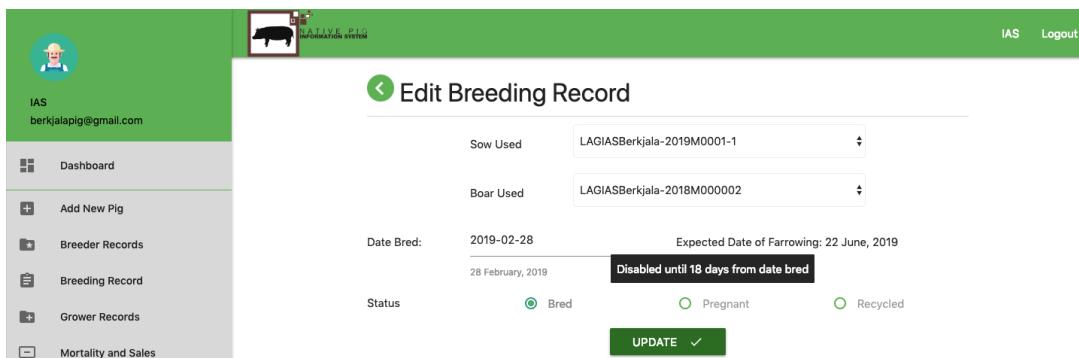
LAGIASBerkjala- 2018F000001	LAGIASBerkjala- 2018M012044	26 December, 2019	19 April, 2019	Recycled		
(Died)	(Culled)					

LAGIASBerkjala- 2019Frenz11	LAGIASBerkjala- 2018M012044	26 December, 2019	19 April, 2019	Aborted	Date Aborted: 26 December, 2018	
(Active)	(Culled)					

Using the Recording System: Breeding Record

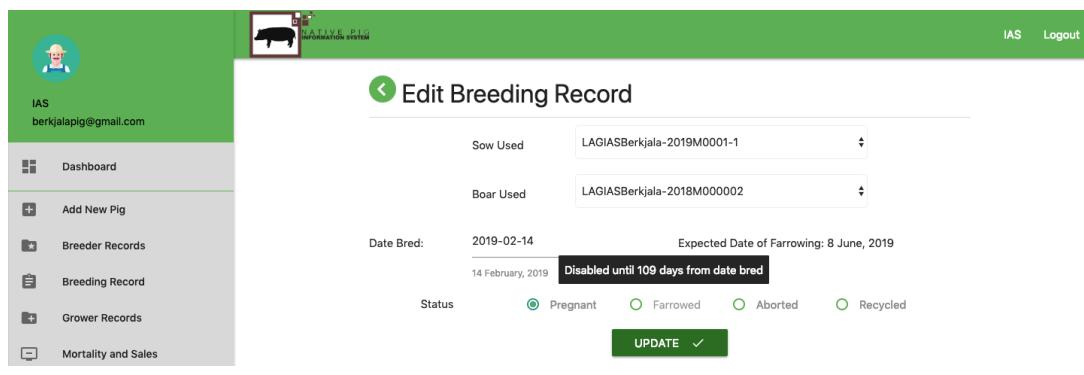
Editing Breeding Record

- If you click the  icon under the "Edit" column in Breeding Record, you will arrive at this page.
- If the status of the Breeding Record is "Bred", this is what the page will look like. If the date when the user opened this page is less than 18 days after the date bred, he/she cannot click the "Pregnant" and "Recycled" option. After 18 days or when the sow is confirmed to be pregnant or recycled, the user can then change the status of the Breeding Record.



The screenshot shows the 'Edit Breeding Record' page. On the left is a sidebar with a user profile (IAS, berjalapig@gmail.com), navigation links (Dashboard, Add New Pig, Breeder Records, Breeding Record, Grower Records, Mortality and Sales), and the Native Pig Information System logo. The main content area has a header 'Edit Breeding Record'. It includes dropdowns for 'Sow Used' (LAGIASBerkjala-2019M0001-1) and 'Boar Used' (LAGIASBerkjala-2018M00002). Below these are fields for 'Date Bred' (2019-02-28) and 'Expected Date of Farrowing' (22 June, 2019). A note below the date bred says 'Disabled until 18 days from date bred'. Under 'Status', there are radio buttons for 'Bred' (selected), 'Pregnant', and 'Recycled'. At the bottom is a green 'UPDATE' button.

- If the status of the Breeding Record is "Pregnant", this is what the page will look like. If you opened this page less than 21 days after the date bred, you cannot click the "Aborted" option. After 21 days or when the litter is confirmed to be aborted, you can then change the status of the Breeding Record to "Aborted".
- If the date is less than 109 days from the date bred, you cannot click the "Farrowed" option. However, when the  icon under "Sow & Litter Record" column in Breeding Record page is clicked and data of litter is inputted, the status will automatically change to "Farrowed". Thus, changing the status to "Farrowed" in this page is optional.



This screenshot is identical to the one above, showing the 'Edit Breeding Record' page with a 'Pregnant' status. The only difference is the status selection in the 'Status' section, where 'Pregnant' is selected instead of 'Bred'. The rest of the interface, including the sidebar, form fields, and notes about date bred and expected farrowing date, remains the same.

Using the Recording System: Breeding Record

Inputting data for the 'Sow and Litter Record'

- The Sow and Litter Record page is divided into two sections: the summary and the form for adding the offspring's data.
- In the summary section, the following information can be seen:
 - date bred, gestation period, date farrowed, lactation period, date weaned
 - parity, total littersize born (total littersize born alive + number of stillbirth and number of mummified), total littersize born alive, number of males, number of females, sex ratio (male:female), average birth weight, number weaned, average weaning weight
 - input fields for number stillborn, number mummified, and abnormalities
- The form of adding offspring's data section can also be classified into two: individual or group weighing.

The screenshot shows the 'Sow and Litter Record' page. On the left is a sidebar with a green header containing the logo and the text 'IAS berkjalapig@gmail.com'. Below this are several menu items: Dashboard, Add New Pig, Breeder Records, Breeding Record, Grower Records, Mortality and Sales, Pedigree Viewer, Reports, Farm Profile, and Logout. The main content area has a green header with the title 'Sow and Litter Record'. Below this, there are two sections: 'Sow used: LAGIASBerkjala-2019F064545' and 'Boar used: LAGIASBerkjala-2019M004545'. The main table displays the following data:

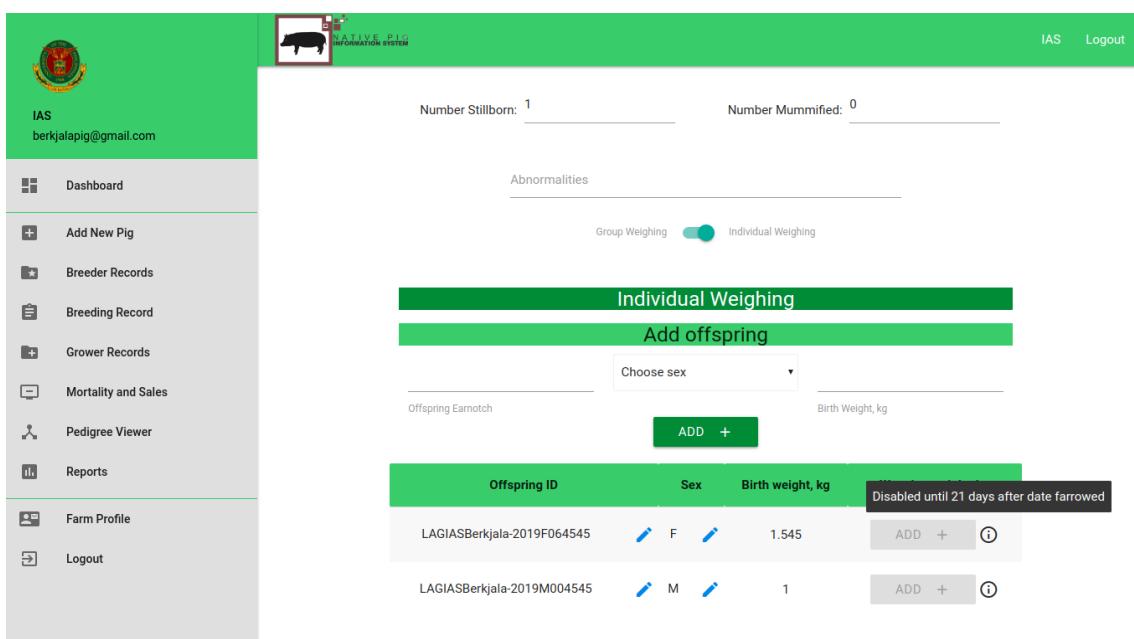
	Parity	2
Date Bred	Total Littersize Born	10
Date Farrowed	Total Littersize Born Alive	10
Gestation Period: 123 days	Number of males	4
Date Weaned	Number of females	6
Lactation Period: 42 days	Sex ratio (Male to Female)	4:6
	Average birth weight	0.539
	Number weaned	5
	Average weaning weight	2.953

Using the Recording System:

Breeding Record

Inputting data for the 'Sow and Litter Record'

- For individual weighing, these steps should be followed:
 - choose the date farrowed
 - input the parity number (if left blank, the system will automatically fill it up (value is 1 if it is the first parity, if not, it will add 1 to the latest parity found but it can be edited)
 - input the number stillborn and number mummified (if left blank, it will automatically be 0 but it can be edited)
 - input abnormalities separated by commas (if there are any, if there is none, leave it blank, it can be edited)
 - input the earnotch of the first offspring, its sex, and its birth weight in kilograms
 - for the succeeding offspring, just input the earnotch, sex, and birth weight
- For cases where in the sow farrowed but all of its litter are stillborn or mummified, follow the instruction above but leave the earnotch, sex, and birth weight fields blank
- For the weaning records, the button for adding the weaning weight is disabled until 21 days after the farrowing date as stated when the  icon is hovered



Number Stillborn: 1 Number Mummified: 0

Abnormalities

Group Weighing  Individual Weighing

Individual Weighing

Add offspring

Choose sex

Offspring EarNotch

Birth Weight, kg

ADD +

Offspring ID	Sex	Birth weight, kg	Disabled until 21 days after date farrowed	
LAGIASBerkjala-2019F064545	F	1.545	ADD +	
LAGIASBerkjala-2019M004545	M	1	ADD +	

Using the Recording System: Breeding Record

Inputting data for the 'Sow and Litter Record'

- For group weighing, these steps should be followed:
 1. click the switch below the "Abnormalities" field to enable group weighing
 2. choose the date farrowed
 3. input the parity number (if left blank, the system will automatically fill it up (value is 1 if it is the first parity, if not, it will add 1 to the latest parity found but it can be edited)
 4. input the number stillborn and number mummified (if left blank, it will automatically be 0 but it can be edited)
 5. input abnormalities separated by commas (if there are any, if there is none, leave it blank, it can be edited)
 6. input the litter birth weight and littersize born alive
 7. input the temporary earmark (or just a number) of the first offspring and its sex
 8. for the succeeding offspring, just input the temporary earmark and its sex
- When it comes to adding the weaning record or when the litter already has its own permanent earmark, the temporary earmark can be edited
- Adding weaning records is also disabled until 21 days after the date farrowed

The screenshot shows the 'Native Pig INFORMATION SYSTEM' application. On the left is a sidebar with icons and links: Dashboard, Add New Pig, Breeder Records, Breeding Record, Grower Records, Mortality and Sales, Pedigree Viewer, Reports, Farm Profile, and Logout. The main area has a green header bar with the title 'Group Weighing' and a switch for 'Individual Weighing'. Below this is a 'Group Weighing' section with fields for 'Litter Birth Weight, kg' (3.8) and 'Litter-size Born Alive' (5). A 'Choose sex' dropdown is shown above an 'Offspring Earmark' field. An 'ADD +' button is available. A table lists three offspring entries:

Offspring ID	Sex	Birth weight, kg	Weaning weight, kg
LAGIASBerkjala-2019M0001-1	M	0.75	7
LAGIASBerkjala-2019M1-4	M	0.75	ADD +
LAGIASBerkjala-2019M1-16	M	0.75	ADD +

Using the Recording System: Breeding Record

Inputting data for the 'Sow and Litter Record'

- For adding weaning record for the first time, just click the "Add" button under the "Weaning weight, kg" column
- Choose the date weaned and then input the weight
- For the succeeding weaned pigs, the date weaned is already set and the user will just input the weight

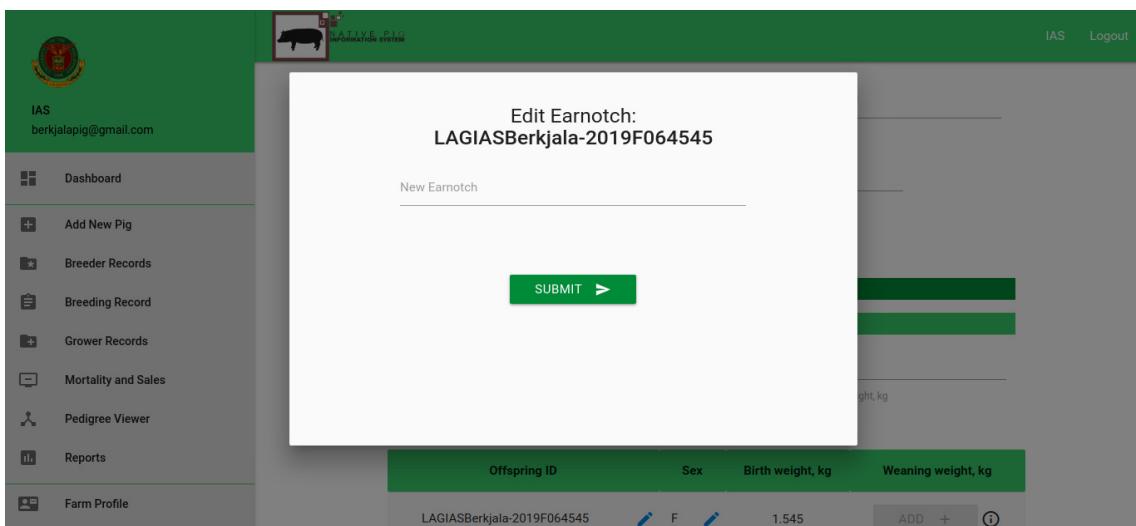
The screenshot shows the 'Weaning Record' input screen. At the top, it displays 'Weaning Record: LAGIASBerkjala-2015F0001-1'. Below this, there are two input fields: 'Date Weaned:' with the value '2015-06-29' and 'Weaning Weight, kg:' with the value '5.65'. A green 'SUBMIT >' button is located below these fields. In the bottom right corner of the main window, there is a small text 'ght, kg'. At the very bottom of the page, there is a table with the following data:

Offspring ID	Sex	Birth weight, kg	Weaning weight, kg
LAGIASBerkjala-2015F0001-1	F	0.495	<button>ADD +</button>
LAGIASBerkjala-2015F0001-2	F	1.295	<button>ADD +</button>

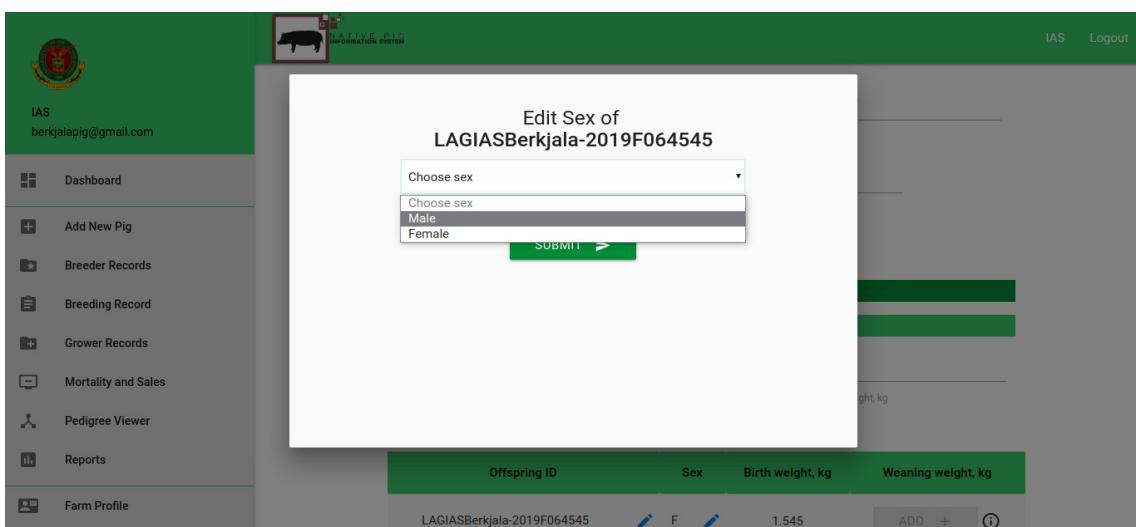
Using the Recording System: Breeding Record

Inputting data for the 'Sow and Litter Record'

- Both for individual and group weighing options, the earnotch and sex of the offspring can be edited.
- Just click the  icon after the registration ID or the sex to launch a small window to change the necessary information.
- The change sex function is necessary for those who misidentified the pig's sex when it was born.



The screenshot shows a user interface for managing pig records. On the left is a sidebar with links: Dashboard, Add New Pig, Breeder Records, Breeding Record, Grower Records, Mortality and Sales, Pedigree Viewer, Reports, and Farm Profile. The main area has tabs for Offspring ID, Sex, Birth weight, kg, and Weaning weight, kg. Below these tabs, there are input fields for Offspring ID (LAGIASBerkjala-2019F064545), Sex (F), Birth weight (1.545), and Weaning weight. A green 'SUBMIT' button is visible. A modal dialog box titled 'Edit EarNotch: LAGIASBerkjala-2019F064545' is open, prompting for a new earnotch number. The top right of the screen shows 'IAS Logout'.



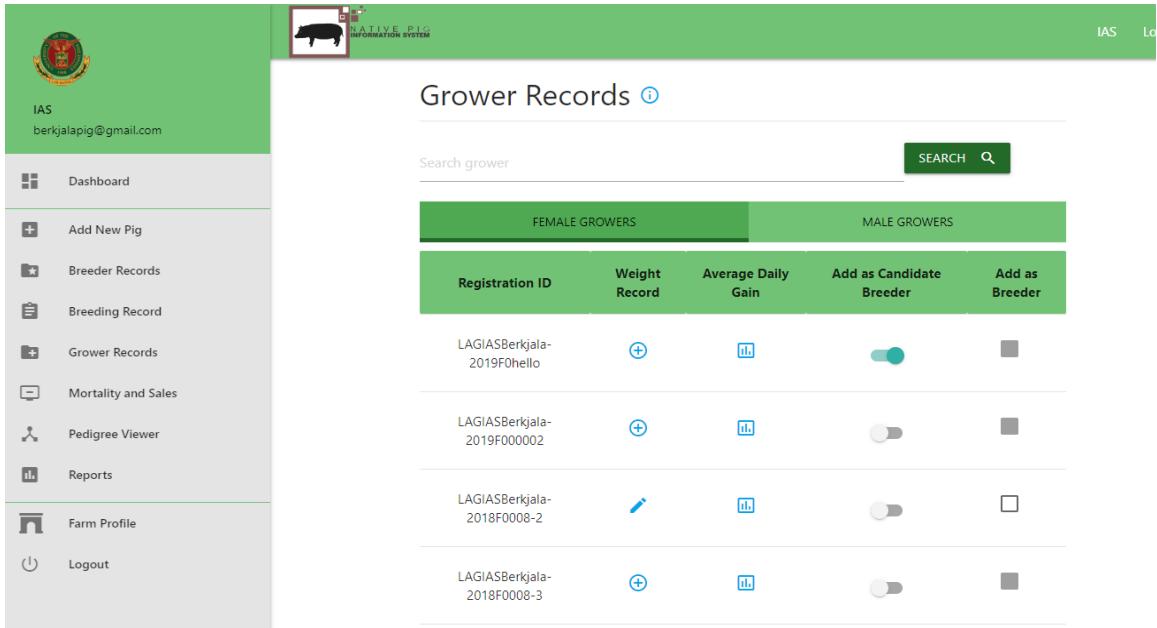
This screenshot is similar to the previous one, showing the same interface and data entry fields. However, the 'Sex' tab is active, and a modal dialog box titled 'Edit Sex of LAGIASBerkjala-2019F064545' is open. It contains a dropdown menu labeled 'Choose sex' with two options: 'Male' and 'Female'. A green 'SUBMIT' button is at the bottom of the dialog. The rest of the interface and sidebar are identical to the first screenshot.

Using the Recording System:

Grower Record

Inputting data for the 'Grower Record'

- All the pigs except the breeders can be found in the grower records (new born, suckling, replacement) as stated in the  icon when hovered.
- To add weight records, just click the  icon under the "Weight Record" column. The process and the specifications of this page is same as the Weight Records page for the breeders in Breeder Records
- To add the grower as candidate breeder, just click the switch under the "Add as Candidate Breeder" column
- To add the grower as breeder, it must first have data for body weight at 150 or 180 days. Gray boxes under the "Add as Breeder" column means that the grower does not have either body weight at 150 days or at 180 days whereas white or transparent boxes means it can be added as breeder.



The screenshot shows the 'Grower Records' page of the system. The top navigation bar includes the logo, a search bar, and user information (IAS, berjalapig@gmail.com). The left sidebar has a 'Dashboard' section and links for 'Add New Pig', 'Breeder Records', 'Breeding Record', 'Grower Records' (which is selected), 'Mortality and Sales', 'Pedigree Viewer', 'Reports', 'Farm Profile', and 'Logout'. The main content area is titled 'Grower Records' with a help icon. It features a search bar and a table with two sections: 'FEMALE GROWERS' and 'MALE GROWERS'. The table columns are 'Registration ID', 'Weight Record', 'Average Daily Gain', 'Add as Candidate Breeder' (with a toggle switch), and 'Add as Breeder' (with a checkbox). Four rows of data are listed:

FEMALE GROWERS		MALE GROWERS		
Registration ID	Weight Record	Average Daily Gain	Add as Candidate Breeder	Add as Breeder
LAGIASBerkjala-2019F0helo				
LAGIASBerkjala-2019F00002				
LAGIASBerkjala-2018F0008-2				
LAGIASBerkjala-2018F0008-3				

Using the Recording System: Grower Record

Inputting data for the 'Grower Record'

- Like in Breeder Records, the search bar in Grower Records accepts any part of the registration ID of the grower being searched.

The screenshot shows the 'Grower Records' section of the IAS system. The left sidebar contains navigation links: Dashboard, Add New Pig, Breeder Records, Breeding Record, Grower Records (selected), Mortality and Sales, Pedigree Viewer, Reports, Farm Profile, and Logout. The main area has a green header with the IAS logo, a search bar, and a 'SEARCH' button. Below is a table titled 'Search results for he:' with columns: Registration ID, Weight Record, Average Daily Gain, Add as Candidate Breeder, and Add as Breeder. Three entries are listed: LAGIASBerkjala-2018Fhello5, LAGIASBerkjala-2018Mhello7, and LAGIASBerkjala-2018Mhello8. At the bottom, there are two tables: 'FEMALE GROWERS' and 'MALE GROWERS', each with columns: Registration ID, Weight Record, Average Daily Gain, Add as Candidate Breeder, and Add as Breeder.

Registration ID	Weight Record	Average Daily Gain	Add as Candidate Breeder	Add as Breeder
LAGIASBerkjala-2018Fhello5				
LAGIASBerkjala-2018Mhello7				
LAGIASBerkjala-2018Mhello8				

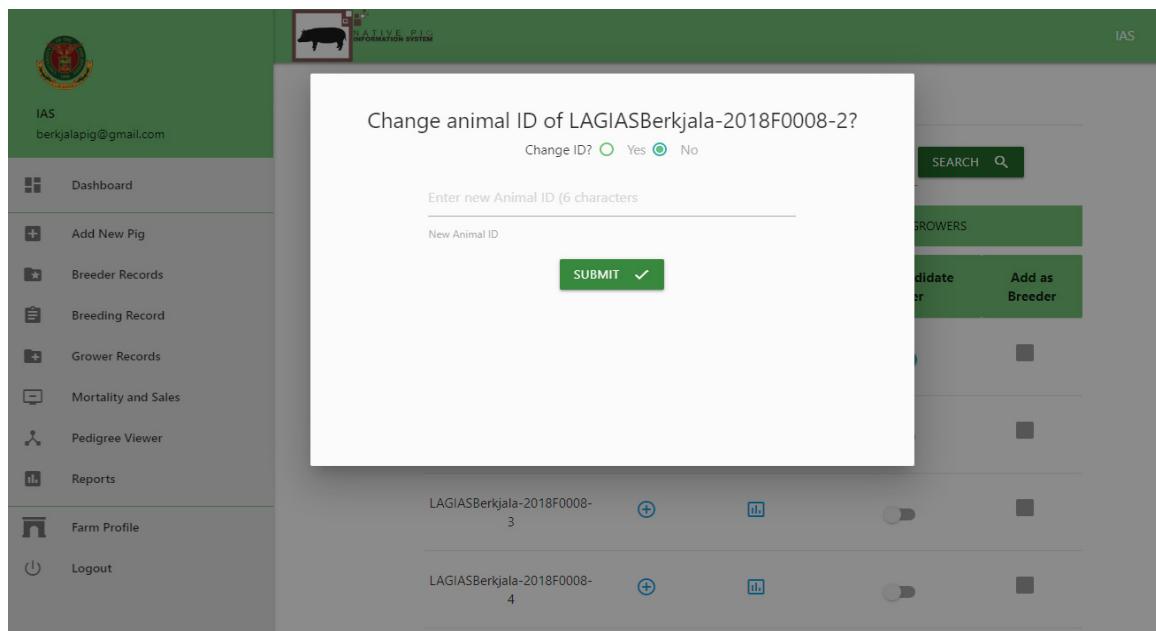
FEMALE GROWERS		MALE GROWERS		
Registration ID	Weight Record	Average Daily Gain	Add as Candidate Breeder	Add as Breeder

Using the Recording System:

Grower Record

Inputting data for the 'Grower Record'

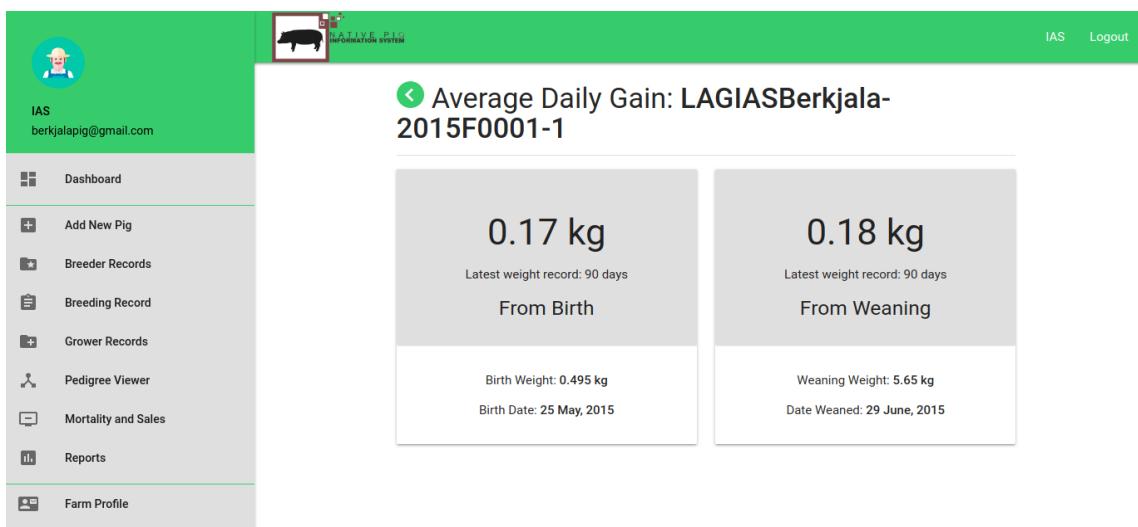
- Before adding as breeder, a window will appear which asks you whether you will change the earnotch/ear tag of the grower. The default choice is "No" and by submitting it, the registration ID will not be changed. If you wish to change the earnotch/ear tag, just click "Yes" and indicate the new 6-character earnotch/ear tag.



Using the Recording System: Grower Record

Checking the Average Daily Gain

- In this page, the users can add weight records, view the Average Daily Gain, add the grower as candidate breeder, and add the grower as breeder.
- To view the Average Daily Gain, just click the  icon under the "ADG" column



Average Daily Gain: LAGIASBerkjala-2015F0001-1

From Birth	From Weaning
0.17 kg	0.18 kg
Latest weight record: 90 days	Latest weight record: 90 days
Birth Weight: 0.495 kg	Weaning Weight: 5.65 kg
Birth Date: 25 May, 2015	Date Weaned: 29 June, 2015

Using the Recording System: Mortality and Sales

Inputting data for "Mortality"

- This module is divided into three: mortality, sales, and others.
- This module is crucial as it allows you to update the number of active pigs in the system. Failure to include the dead, sold, or culled/donated pigs will affect the reports.
- For the mortality records, the required field is the registration ID of the pig as shown when the dropdown field is hovered.
- If left blank, the cause of death will be "Not specified", and the date died will be the date of input

The screenshot shows the 'Mortality and Sales' section of the application. On the left, there's a sidebar with various menu items like Dashboard, Add New Pig, Breeder Records, etc. The main area has tabs for MORTALITY, SALES, and OTHERS, with 'MORTALITY' being the active tab and circled in red. Below the tabs is a form with fields for 'Choose pig' (a dropdown menu), 'Date Died' (a date input field), and 'Cause of Death' (a text input field). At the bottom is a green 'ADD +' button. A table displays the data for a single entry:

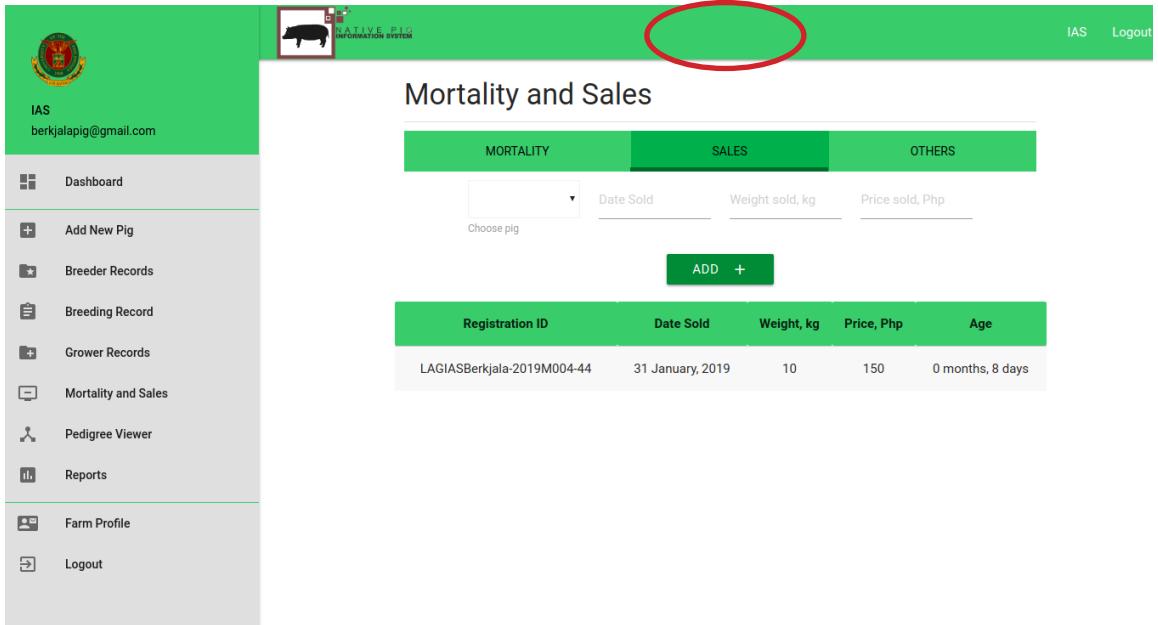
Registration ID	Date of Death	Cause of Death	Age
LAGIASBerkjala-2018Fhello4	7 January, 2019	crushing	1 month, 11 days

**TAKE NOTE: It is best to record everyday.
Accurate reports are made if data is recorded
everyday.**

Using the Recording System: Mortality and Sales

Inputting data for "Sales"

- For the sales records, the required field is the Registration ID of the pig as shown when the dropdown field is hovered.
- If left blank, the date sold is the date of input, the weight will be "Weight unavailable", and the price will be "Not specified".



The screenshot shows the application's interface. On the left is a sidebar with a logo, user info (IAS, berkjlapig@gmail.com), and a list of navigation items: Dashboard, Add New Pig, Breeder Records, Breeding Record, Grower Records, Mortality and Sales (which is selected and highlighted in green), Pedigree Viewer, Reports, Farm Profile, and Logout. The main content area has a header with tabs: MORTALITY, SALES (which is active and highlighted in green), and OTHERS. Below the tabs is a form with fields: a dropdown labeled 'Choose pig' with a red circle around it, Date Sold, Weight sold, kg, and Price sold, Php. A large green 'ADD +' button is below the form. A table below shows a single record: Registration ID LAGIASBerkjala-2019M004-44, Date Sold 31 January, 2019, Weight, kg 10, Price, Php 150, and Age 0 months, 8 days.

Registration ID	Date Sold	Weight, kg	Price, Php	Age
LAGIASBerkjala-2019M004-44	31 January, 2019	10	150	0 months, 8 days

Using the Recording System: Mortality and Sales

Inputting data for "Others"

- This “Others” tab is for pigs which have been culled but not sold immediately, donated, used for instructional purpose, and any other reason to they are removed in the herd besides dying or being sold.
- For the others tab, the required field is the Registration ID of the pig as shown when the dropdown field is hovered.
- If left blank, the date removed is the date of input and the reason will be “Donated”.

The screenshot shows the application's main dashboard on the left and the 'Mortality and Sales' page on the right. The left sidebar includes links for Dashboard, Add New Pig, Breeder Records, Breeding Record, Grower Records, Mortality and Sales (which is currently selected), Pedigree Viewer, Reports, Farm Profile, and Logout. The top navigation bar has 'IAS' and 'Logout' buttons. The 'Mortality and Sales' page has tabs for MORTALITY, SALES, and OTHERS. The OTHERS tab is active, showing a form with fields for 'Choose pig' (a dropdown menu), 'Date Removed' (a date input field), and 'Reason Removed' (a text input field). A large green 'ADD +' button is below these fields. A table below the form lists a single record: Registration ID LAGIASBerkjala-2018M012044, Date Removed 22 February, 2019, Reason Donated, and Age 12 months, 13 days.

Registration ID	Date Removed	Reason	Age
LAGIASBerkjala-2018M012044	22 February, 2019	Donated	12 months, 13 days

Generating Reports

- A. Pedigree Viewer
- B. Gross Morphology
- C. Morphometric Characteristics
- D. Growth Performance
- E. Breeder Production
- F. Production Performance
- G. Month Performance
- H. Breeder Inventory
- I. Grower Inventory
- J. Mortality and Sales

Generating Reports

- Click the “Reports” label to reveal the different reports you can generate.
- You can generate reports for the following: Gross Morphology, Morphometric Characteristics, Growth Performance, Production Performance, Monthly Performance, Breeder Inventory, Grower Inventory, and Mortality and Sales.
- Reports can be downloaded as a CSV file or “Comma-Separated Values”. CSV files can be opened using different applications such as Microsoft Excel for Windows users, LibreOffice Calc for Linux users, Apple Numbers for Mac users, and Google Sheets for users who wish to open the file online.

The screenshot shows the 'Gross Morphology Report' page. The left sidebar has a 'Reports' link circled in red. The main content shows a table of hair type and length statistics.

Hair Type	Count	Percentage	Hair Length	Count	Percentage
Curly	5	(29.41%)	Short	0	(0%)
Straight	1	(5.88%)	Long	8	(47.06%)
No record	9	(52.94%)	No record	7	(41.18%)

Coat Color	Count	Percentage	Color Pattern	Count	Percentage
Black	9	(52.94%)	Plain	4	(23.53%)
Others	0	(0%)	Socks	6	(35.29%)
No record	6	(35.29%)	No record	5	(29.41%)

Generating Reports

Information in the Pedigree Viewer

- In this module, you can search a pig by typing its earnotch in the search bar.
- For the cases where the earnotch is not unique, all the pigs with that ear-notch will be listed with their respective birth dates.

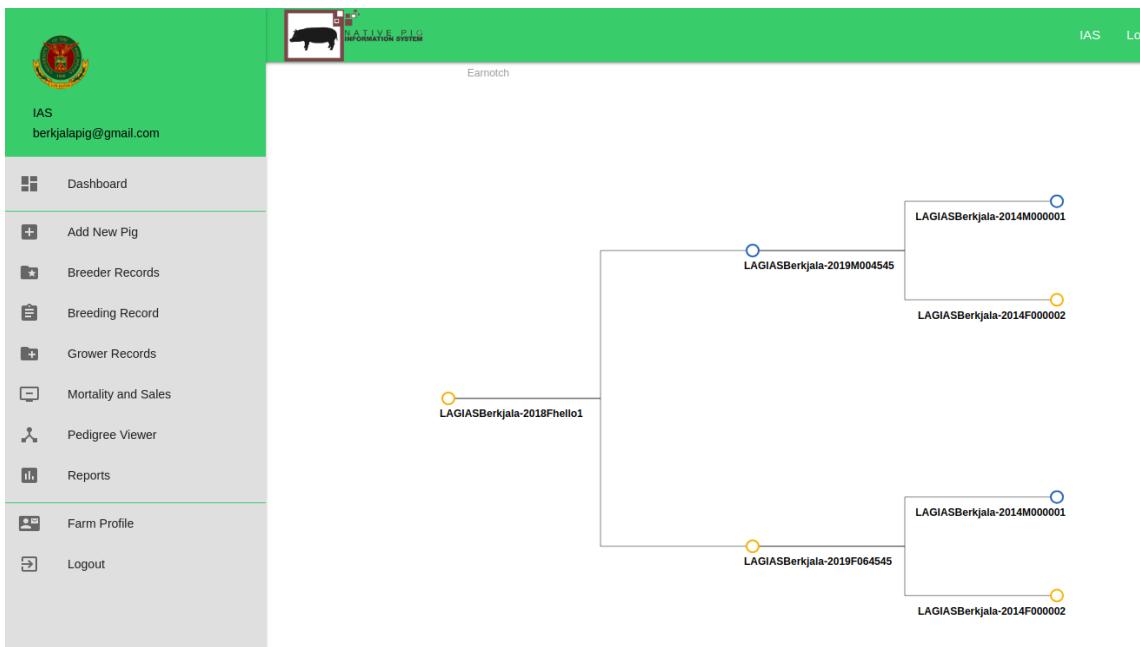
The screenshot shows the 'Pedigree Viewer' module of the Native Pig Breed Information System. The top navigation bar includes the logo 'NATIVE PIG INFORMATION SYSTEM', the user's name 'IAS berkjlapig@gmail.com', and links for 'Logout'. On the left, a sidebar menu lists various options: Dashboard, Add New Pig, Breeder Records, Breeding Record, Grower Records, Mortality and Sales, Pedigree Viewer (which is currently selected), Reports, Farm Profile, and Logout. The main content area is titled 'Pedigree Viewer' and features a search bar with the placeholder 'EarNotch'. Below the search bar, the text 'Found pigs:' is displayed above a dropdown menu titled 'Select pig'. The dropdown contains a list of six items, each showing a pig icon and the text 'LAGIASBerkjala-[Year]Fhello1 (Born: [Date])':

- LAGIASBerkjala-2018Fhello1 (Born: 2018-11-27)
- LAGIASBerkjala-2018Fhello1 (Born: 2018-09-05)
- LAGIASBerkjala-2018Fhello1 (Born: 2018-03-07)
- LAGIASBerkjala-2011Fhello1 (Born: 2011-03-18)
- LAGIASBerkjala-2017Fhello1 (Born: 2017-03-16)

Generating Reports

Information in the Pedigree Viewer

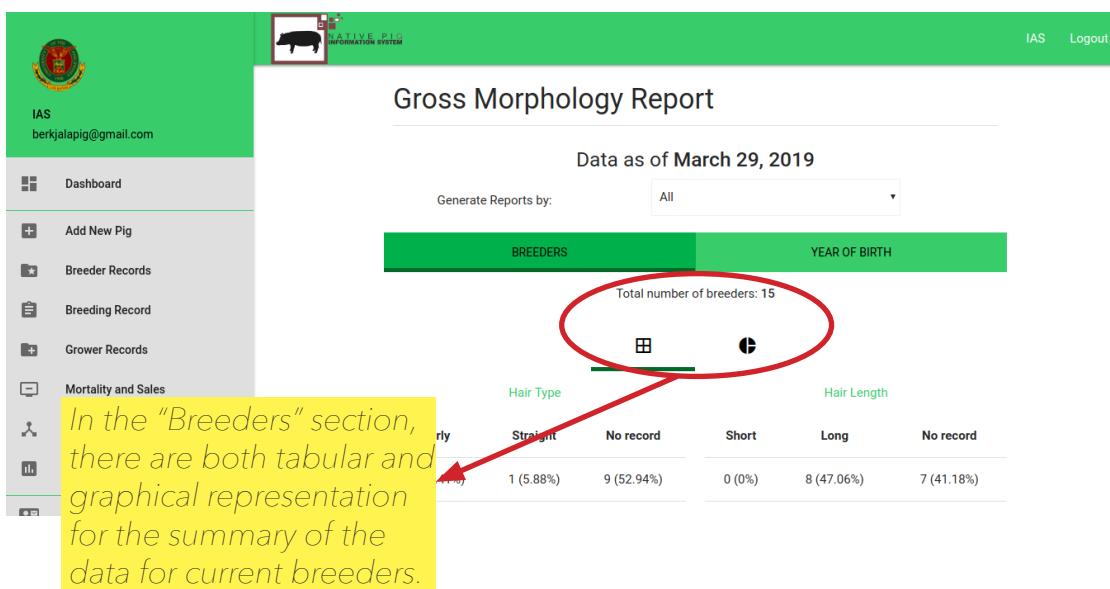
- Clicking the chosen pig will generate the pedigree of the pig up to the fourth generation
- The blue circles are the male ancestors while the yellow circles are the females. Hovering the circles will show a green box which contains the following information: farm name, breed, sex, birth year, birth weight, number of males born, number of females born, littersize born alive, and the parity when it was born.



Generating Reports

Gross Morphology Report

- First under the Reports Generation is Gross Morphology Report. In this page, you can see the summary of all data for Gross Morphology.
- This is divided into two major sections, "Breeders" and "Year of Birth".
- For the "Breeders" section, there are two views: tabular and graphical. The default view is tabular and you can switch views by clicking the  icon and  to go back to the tabular view. This section only shows the data for the active breeders.



In the "Breeders" section, there are both tabular and graphical representation for the summary of the data for current breeders.

BREEDERS

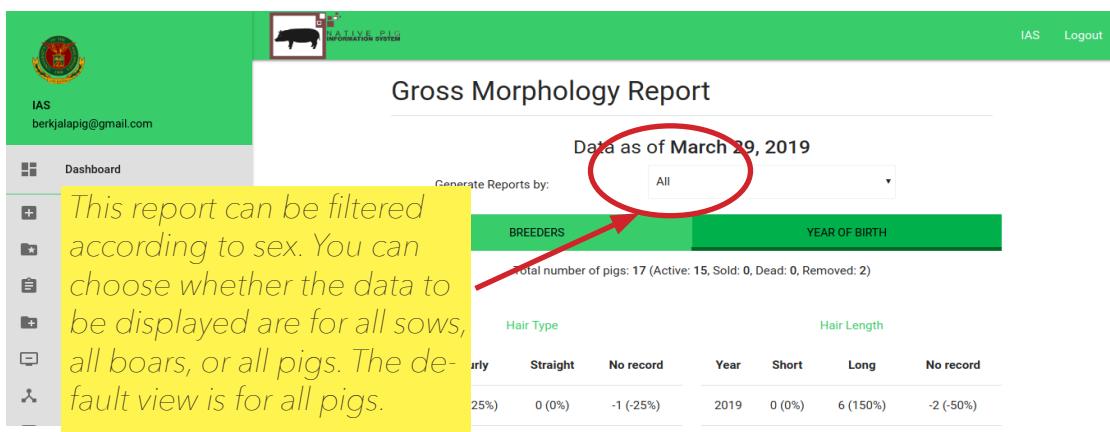
Total number of breeders: 15

Hair Type	Hair Length
Curly	Short
Straight	Long
No record	No record

Generate Reports by: All

Data as of March 29, 2019

- The "Year of Birth" section covers all breeders including the dead, sold, and removed from the herd. This would show changes or trends through the years.



This report can be filtered according to sex. You can choose whether the data to be displayed are for all sows, all boars, or all pigs. The default view is for all pigs.

YEAR OF BIRTH

Total number of pigs: 17 (Active: 15, Sold: 0, Dead: 0, Removed: 2)

Year	Short	Long	No record
2019	0 (0%)	6 (150%)	-2 (-50%)

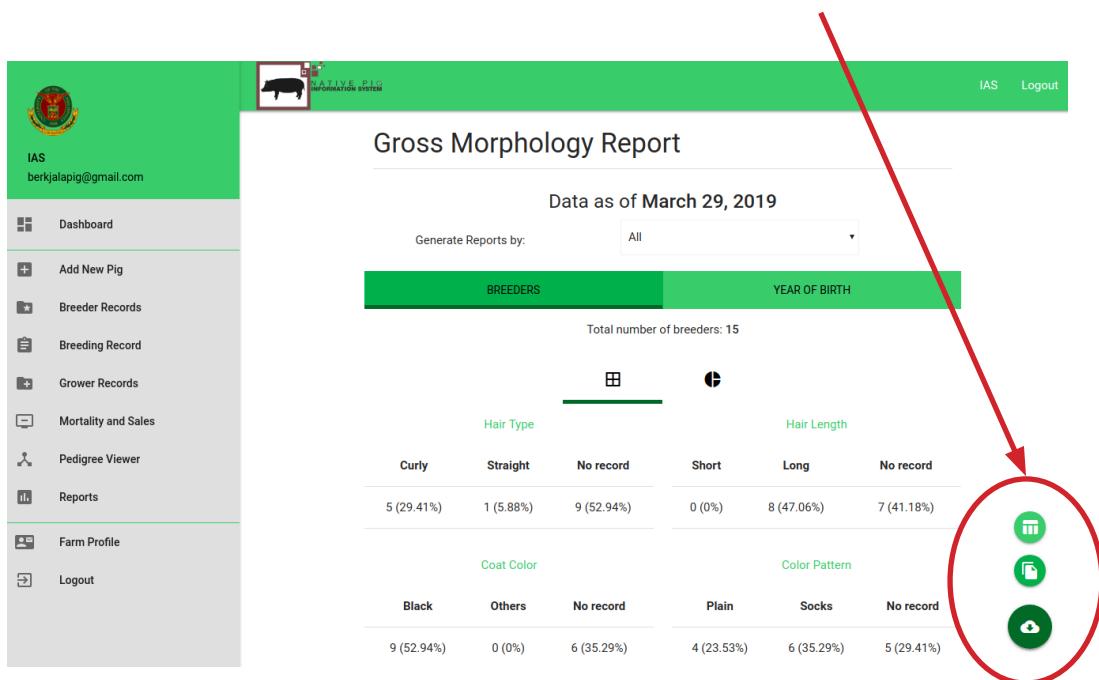
Generate Reports by: All

Data as of March 29, 2019

Generating Reports

Gross Morphology Report

- The data in this report can be filtered into sows, boars, and all. The default view is for all pigs. The filter is found above the “Breeders” and “Year of Birth” tabs. Just click the dropdown and choose the filter.
- This report can be downloaded as PDF or CSV file. To download, hover the circle button on the bottom right of the corner with  icon and two more buttons will show. To download the report as PDF, click the button with the  icon and the “Save as” window will appear. On the other hand, to download as CSV file, click the  icon and the “Save as” window will appear.



Gross Morphology Report

Data as of March 29, 2019

BREEDERS						YEAR OF BIRTH					
Total number of breeders: 15											
Hair Type						Hair Length					
Curly	Straight	No record	Short	Long	No record	0 (0%)	8 (47.06%)	7 (41.18%)	0 (0%)	8 (47.06%)	7 (41.18%)
5 (29.41%)	1 (5.88%)	9 (52.94%)	0 (0%)	8 (47.06%)	7 (41.18%)	0 (0%)	8 (47.06%)	7 (41.18%)	0 (0%)	8 (47.06%)	7 (41.18%)
Coat Color						Color Pattern					
Black	Others	No record	Plain	Socks	No record	9 (52.94%)	0 (0%)	6 (35.29%)	4 (23.53%)	6 (35.29%)	5 (29.41%)
9 (52.94%)	0 (0%)	6 (35.29%)	4 (23.53%)	6 (35.29%)	5 (29.41%)	9 (52.94%)	0 (0%)	6 (35.29%)	4 (23.53%)	6 (35.29%)	5 (29.41%)

Generating Reports:

Morphometric Characteristics Report

- Like Gross Morphology Report, it is also divided into two major sections: "Breeders" and "Year of Birth".
- The "Breeders" section shows the summary for the current breeders only. The average age when data were collected is also shown.
- Unlike Gross Morphology Report, which displays the frequency, this report shows the minimum, maximum, average, and standard deviation per property.

This screenshot shows the 'Morphometric Characteristics Report' for the 'BREEDERS' section. The report is dated March 29, 2019, and indicates a total of 15 breeders. The average age during data collection is 2 months. The report table provides the following data for Ear Length, Head Length, and Snout Length in cm:

Property	Pigs with data	Minimum	Maximum	Average	Standard Deviation
Ear Length, cm	1	5	5	5	0
Head Length, cm	1	7	7	7	0
Snout Length, cm	1	4	4	4	0

This screenshot shows the 'Morphometric Characteristics Report' for the 'YEAR OF BIRTH' section. The report is dated March 29, 2019, and indicates a total of 17 pigs (Active: 15, Sold: 0, Dead: 0, Removed: 2). The average age during data collection is 5.5 months. The report table provides the following data for Ear Length and Head Length in cm:

Ear Length, cm					
Year	Pigs with data	Minimum	Maximum	Average	Standard Deviation
2019	0			No data available	
2018	1	5	5	5	0

Head Length, cm					
Year	Pigs with data	Minimum	Maximum	Average	Standard Deviation
2019	0			No data available	
2018	1	5	5	5	0

Generating Reports:

Morphometric Characteristics Report

The data in this report can be filtered into sows, boars, and all. The default view is for all pigs. Just click the dropdown and choose the filter.

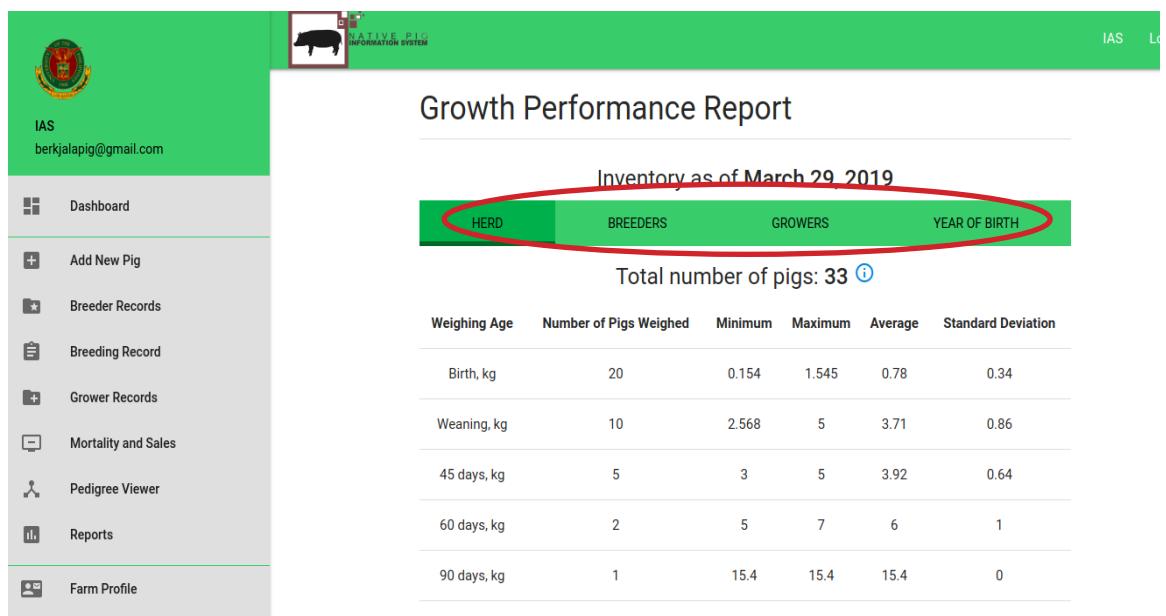
Property	Pigs with data	Minimum	Maximum	Average	Standard Deviation
Ear Length, cm	1	5	5	5	0
Head Length, cm	1	7	7	7	0
Snout Length, cm	1	4	4	4	0
Body Length, cm	1	40	40	40	0

- This report can be downloaded as PDF or CSV file. To download, hover the circle button on the bottom right of the corner with icon and two more buttons will show. To download the report as PDF, click the button with the icon and the "Save as" window will appear. On the other hand, to download as CSV file, click the icon and the "Save as" window will appear.

Generating Reports:

Growth Performance Report

- This report is divided into four sections: "Herd", "Breeders", "Growers", and "Year of Birth". This report shows the number of pigs with data, the minimum, maximum, average, and standard deviation of all the weight properties (birth weight, weaning weight, body weight at 45, 60, 90, 150, and 180 days)
- For the "Herd" section, all the pigs in the system are included (active, dead, sold, and removed pigs) as stated when the  icon is hovered.
- For the "Breeders" section, only the active breeders are included.
- For the "Growers" section, only the active growers are included.
- For the "Year of Birth" section, all pigs in the system are included like in the "Herd" section but here, the data are sorted by the years of birth of the pigs in the system.



Growth Performance Report

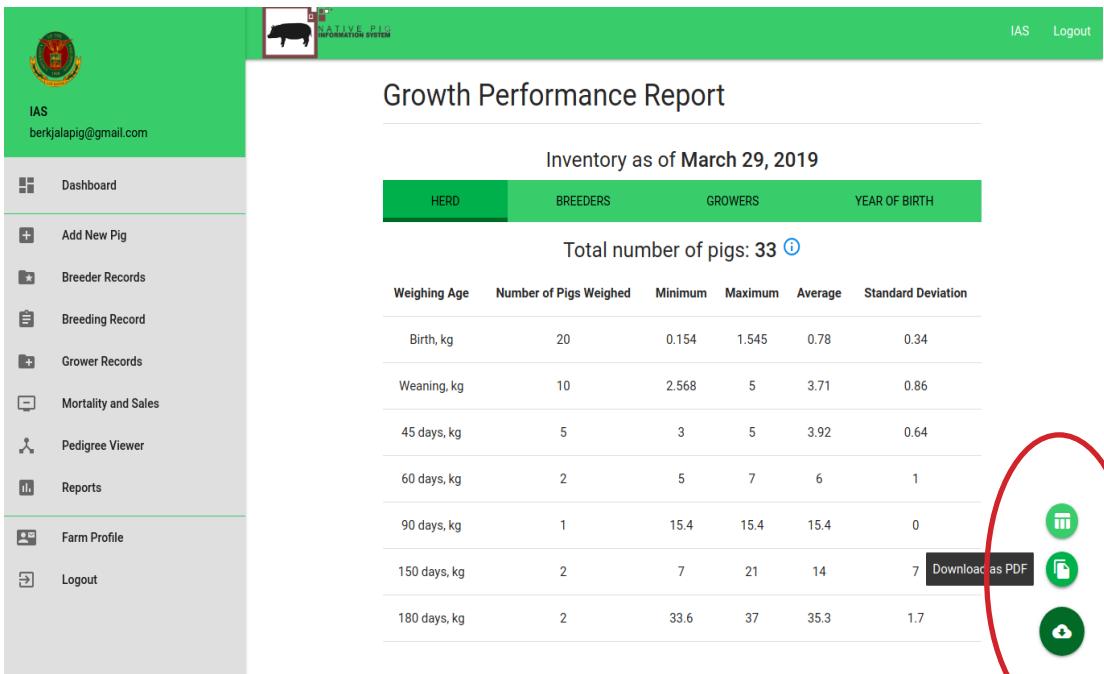
Inventory as of March 29, 2019

HERD	BREEDERS	GROWERS	YEAR OF BIRTH		
Total number of pigs: 33 					
Weighing Age	Number of Pigs Weighed	Minimum	Maximum	Average	Standard Deviation
Birth, kg	20	0.154	1.545	0.78	0.34
Weaning, kg	10	2.568	5	3.71	0.86
45 days, kg	5	3	5	3.92	0.64
60 days, kg	2	5	7	6	1
90 days, kg	1	15.4	15.4	15.4	0

Generating Reports:

Growth Performance Report

- This report can be downloaded as PDF or CSV file. To download, hover the circle button on the bottom right of the corner with  icon and two more buttons will show. To download the report as PDF, click the button with the icon  and the “Save as” window will appear. On the other hand, to download as CSV file, click the  icon and the “Save as” window will appear.



The screenshot shows the system's interface with a sidebar on the left containing user information (IAS, email) and navigation links (Dashboard, Add New Pig, Breeder Records, Breeding Record, Grower Records, Mortality and Sales, Pedigree Viewer, Reports, Farm Profile, Logout). The main content area displays a "Growth Performance Report" titled "Inventory as of March 29, 2019". A table provides statistical data for pig weights at various ages. In the bottom right corner of the table, there are three circular download icons: a blue one with a document, a green one with a cloud, and a red one with a cloud and a downward arrow. A red oval is drawn around these three icons.

WEIGHING AGE	NUMBER OF PIGS WEIGHED	MINIMUM	MAXIMUM	AVERAGE	STANDARD DEVIATION
Birth, kg	20	0.154	1.545	0.78	0.34
Weaning, kg	10	2.568	5	3.71	0.86
45 days, kg	5	3	5	3.92	0.64
60 days, kg	2	5	7	6	1
90 days, kg	1	15.4	15.4	15.4	0
150 days, kg	2	7	21	14	7
180 days, kg	2	33.6	37	35.3	1.7

Generating Reports: Production Performance Report

- This report is divided into three sections: "Per Sow", "Per Boar", and "Per Parity".
- The "Per Sow" section is divided into three: the list of active sows, summary, and an archive. For the list, all the active sows with at least 1 parity is listed. To view its performance, just click the icon. The summary presents the average performance of all the active sows in the list. The archive section lists the sows which are already dead, sold, or culled. The performance of the archived sows can also be viewed by clicking the icon.

Production Performance Report

PER SOW	PER BOAR	PER PARITY
Registration ID LAGIASBerkjala-2019F064545 LAGIASBerkjala-2018Fhello2 LAGIASBerkjala-2018F00new1	View Production Performance	
Summary		
Archive		

Parameters	Average	Standard Deviation
Litter-size Born Alive	4	3.67
Number Male Born	2	1.22
Number Female Born	2	2.45
Number Stillborn	0	0
Number Mummified	0	0
Litter Birth Weight, kg	2.83	1.91
Average Birth Weight, kg	0.88	0.2
Litter Weaning Weight, kg	8.49	6.62

Generating Reports: Production Performance Report: Sow Production Performance

- When the  icon opposite to the registration ID of the sow from the list section or archive section in "Production Performance" page is clicked, its individual performance can be viewed (image below).

Sow Production Performance:
LAGIASBerkjala-2018F00new1

Age First Bred: 4 months, Age First Parity: 6 months (Date of Birth: September 5, 2018)

No data available
Farrowing Intervals

No data available
Farrowing Index

SOW CARD

Parity	Boar Used	Date Bred	Status	View Performance
-	LAGIASBerkjala-2019M004545	January 22, 2019	Bred	

Parameters	Average	Standard Deviation
Litter-size Born Alive	4	3.67
Number Male Born	2	1.22
Number Female Born	2	2.45
Number Stillborn	0	0
Number Mummified	0	0
Litter Birth Weight, kg	2.83	1.91
Average Birth Weight, kg	0.88	0.2

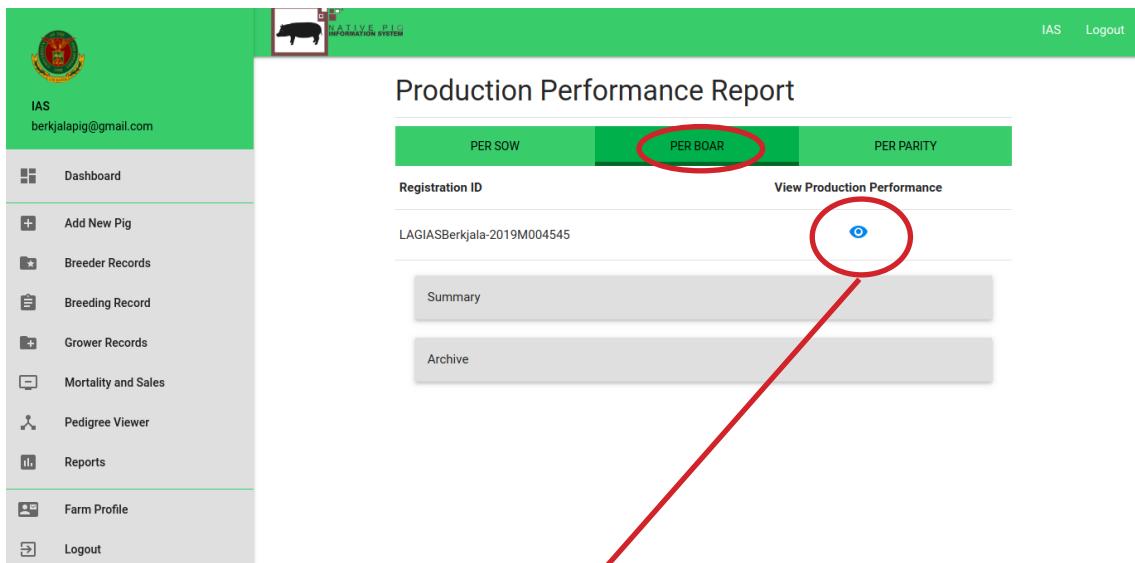
The sow card shows all the breeding record where it was used. It shows the parity number, boar used, date bred, status, and the corresponding icon to view the performance for that parity.

Generating Reports:

Production Performance Report:

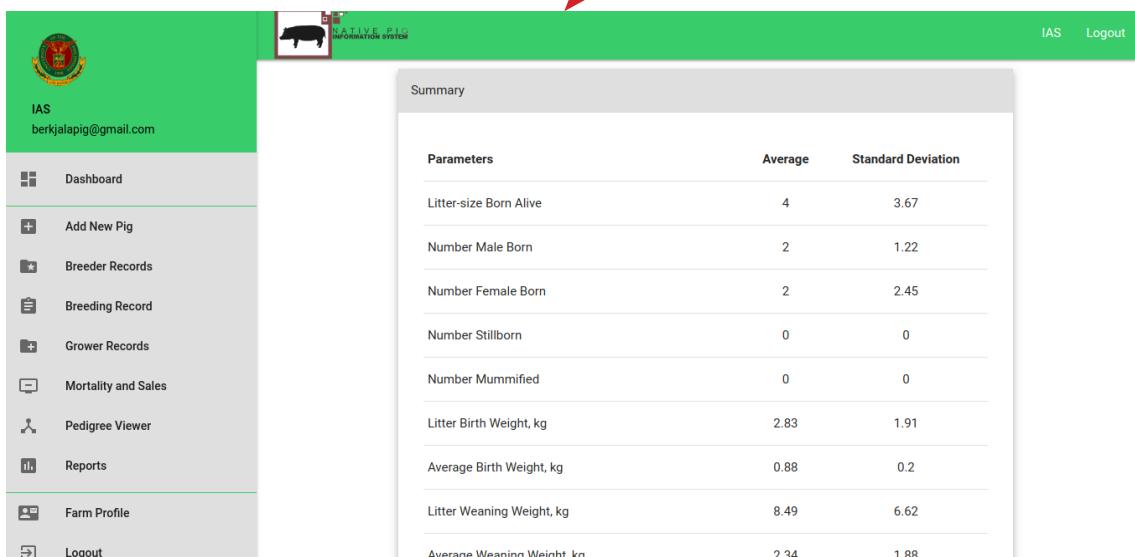
Boar Production Performance

- The “Per Boar” section is divided into three: the list of active boars, summary, and an archive. For the list, all the active boars with at least 1 service is listed. To view its performance, just click the  icon. The summary presents the average performance of all the active boars in the list. The archive section lists the boars which are already dead, sold, or culled. The performance of the archived sows can also be viewed by clicking the  icon.



Production Performance Report

PER SOW	PER BOAR	PER PARITY
Registration ID	View Production Performance	
LAGIASBerkjala-2019M004545		
	Summary	
	Archive	



Summary

Parameters	Average	Standard Deviation
Litter-size Born Alive	4	3.67
Number Male Born	2	1.22
Number Female Born	2	2.45
Number Stillborn	0	0
Number Mummified	0	0
Litter Birth Weight, kg	2.83	1.91
Average Birth Weight, kg	0.88	0.2
Litter Weaning Weight, kg	8.49	6.62
Average Weaning Weight, kg	2.34	1.88

Generating Reports: Production Performance Report: Boar Production Performance

- This page is divided into two: "Boar Card" and "Summary".

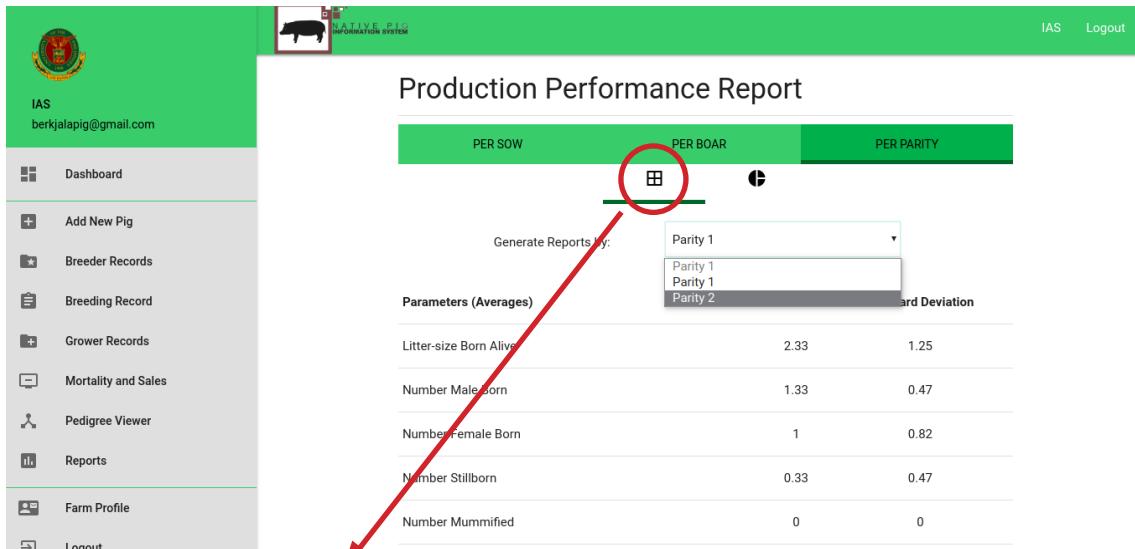
Arranged by the date bred, the boar card list consists of the following information: service number, sow used, date bred, and status. The status is "Successful" if the sow has farrowed while it is "Failed" if the sow was recycled. For the other breeding record statuses, it is shown in the boar card as is.

Service	Sow Used	Date Bred	Status
1	LAGIASBerkjala-2019F064545	May 14, 2018	Successful
2	LAGIASBerkjala-2019F064545	July 27, 2018	Successful
3	LAGIASBerkjala-2018FHello2	September 25, 2018	Successful
4	LAGIASBerkjala-2018FHello2	September 29, 2018	Successful
5	LAGIASBerkjala-2019F064545	December 11, 2018	Failed
6	LAGIASBerkjala-2019F064545	December 26, 2018	Aborted
7	LAGIASBerkjala-2019F064545	January 1, 2019	Bred

For the "Summary" section, the average of all the successful services of the boar are shown. The user can also see the number of successful, failed, and other services (bred, pregnant, and aborted as shown in the icon when hovered)

Generating Reports: Production Performance Report

- The “Per Parity” section is divided into two views: tabular and graphical. The default view is tabular and the user can switch views by clicking the  icon and  to go back to the tabular view.

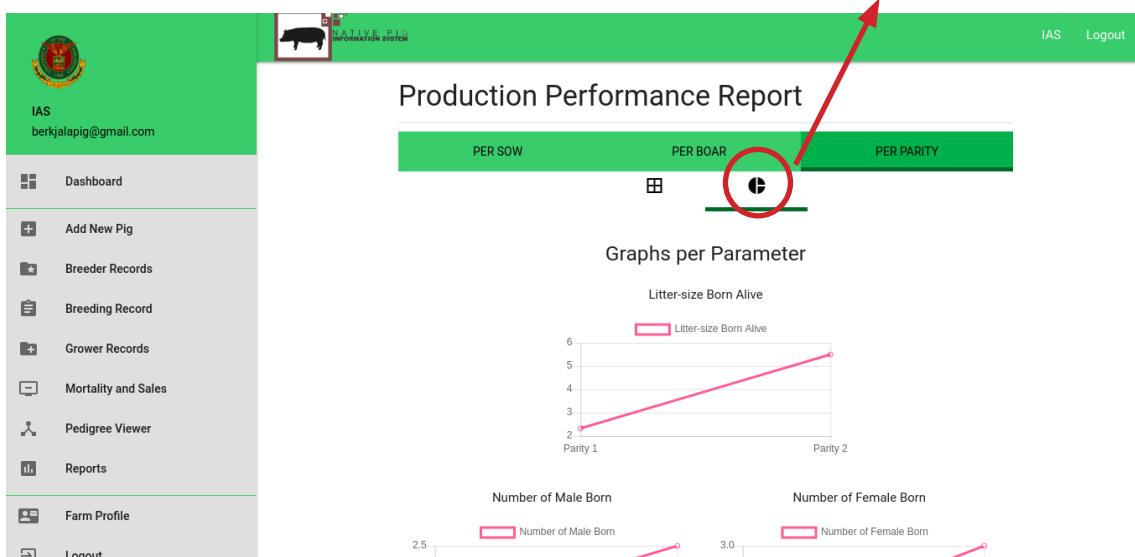


Production Performance Report

	PER SOW	PER BOAR	PER PARITY
Generate Reports by:			
Parameters (Averages)	Parity 1 Parity 1 Parity 1 Parity 2		
Litter-size Born Alive	2.33	1.25	
Number Male Born	1.33	0.47	
Number Female Born	1	0.82	
Number Stillborn	0.33	0.47	
Number Mummified	0	0	

The tabular view shows the data for all parity 1 by default but it can be filtered by clicking the dropdown and choose the desired parity number.

The graphical views shows all the data per production index. The x-axis is the parity number while the y-axis is the value. This shows the trend of the production performance as the parity increases.



Production Performance Report

	PER SOW	PER BOAR	PER PARITY

Graphs per Parameter

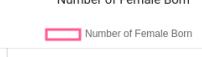
Litter-size Born Alive



Number of Male Born

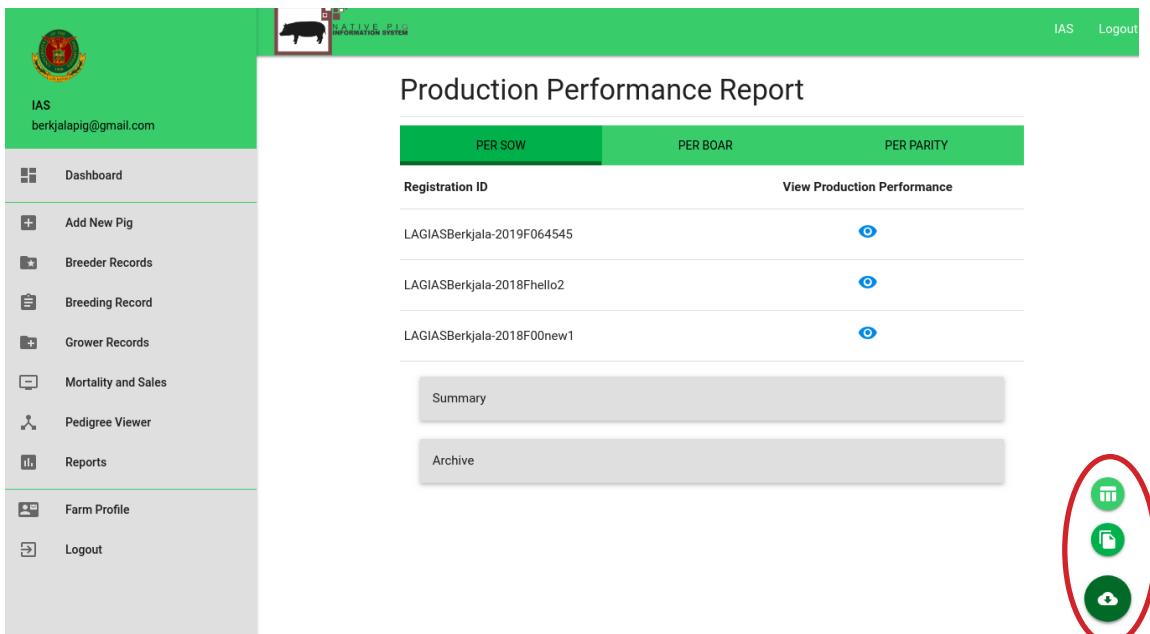


Number of Female Born



Generating Reports: Production Performance Report

- This report can be downloaded as PDF or CSV file. To download, hover the circle button on the bottom right of the corner with  icon and two more buttons will show. To download the report as PDF, click the button with the icon  and the “Save as” window will appear. On the other hand, to download as CSV file, click the  icon and the “Save as” window will appear.



The screenshot shows the Native Pig Breed Information System interface. The left sidebar contains links for Dashboard, Add New Pig, Breeder Records, Breeding Record, Grower Records, Mortality and Sales, Pedigree Viewer, Reports, Farm Profile, and Logout. The main content area displays the "Production Performance Report" with tabs for PER SOW, PER BOAR, and PER PARITY. It lists registration IDs: LAGIASBerkjala-2019F064545, LAGIASBerkjala-2018Hello2, and LAGIASBerkjala-2018F00new1, each with a "View Production Performance" link. At the bottom right, there is a download section with three icons: a bar chart, a document, and a cloud, all enclosed in a red oval.

Generating Reports: Cumulative Performance Report

- By default, this report shows the data for the current year.
- For the current year, only the averages for the month that were already passed are displayed. The average and standard deviation data at the right most column is for the months that are displayed.

Cumulative Performance Report

Parameters	Months		Average ± SD
	January	February	
Litter-size Born Alive	1	No data available	1 ± 0
Number Male Born	1	No data available	1 ± 0
Number Female Born	0	No data available	0 ± 0
Number Stillborn	0	No data available	0 ± 0
Number Mummified	0	No data available	0 ± 0
Litter Birth Weight, kg	0.9885	No data available	0.9885 ± 0
Average Birth Weight, kg	0.9885	No data available	0.9885 ± 0

Cumulative Performance Report

Parameters	January	February	March	April	May	June	July	August	September	Oct
	Litter-size Born Alive	No data available	4							
Number Male Born	No data available	No data available	No data available	No data available	No data available	No data available	No data available	No data available	2	No ava
Number Female	No data	No data	No data	No data	No data	No data	No data	No data	?	No

To view the cumulative performance for the past years, just click the dropdown and choose the desired year. The page for the past years are horizontally scrollable. You can go to the bottom of the page to use the scroll if you use a desktop computer or you can swipe your laptop's touch pad sideways.

Generating Reports:

Cumulative Performance Report

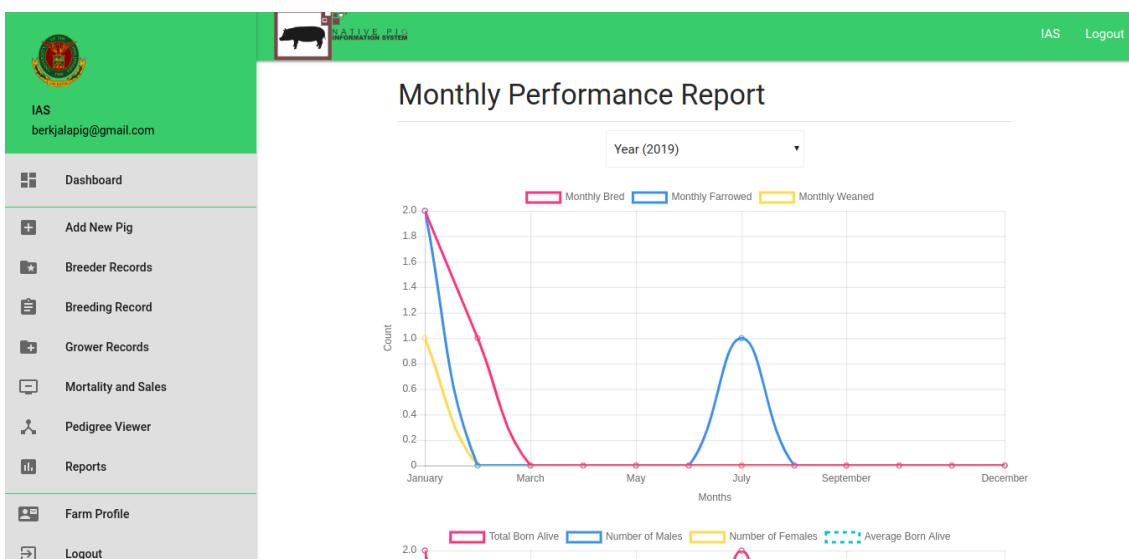
- This report can be downloaded as PDF or CSV file. To download, hover the circle button on the bottom right of the corner with icon and two more buttons will show. To download the report as PDF, click the button with the icon and the "Save as" window will appear. On the other hand, to download as CSV file, click the icon and the "Save as" window will appear.

The screenshot shows the Cumulative Performance Report page. On the left is a sidebar with links: Dashboard, Add New Pig, Breeder Records, Breeding Record, Grower Records, Mortality and Sales, Pedigree Viewer, Reports, Farm Profile, and Logout. The main area displays a table of performance data for January and February 2019. The table has columns for Parameters, Months (January, February), and Average ± SD. The parameters listed are Litter-size Born Alive, Number Male Born, Number Female Born, Number Stillborn, Number Mummified, Litter Birth Weight, kg, Average Birth Weight, kg, Litter Weaning Weight, kg, and Average Weaning Weight, kg. The bottom right corner of the page features three download icons: a CSV file icon, a PDF file icon, and a cloud icon.

Parameters	Months		Average ± SD
	January	February	
Litter-size Born Alive	1	No data available	1 ± 0
Number Male Born	1	No data available	1 ± 0
Number Female Born	0	No data available	0 ± 0
Number Stillborn	0	No data available	0 ± 0
Number Mummified	0	No data available	0 ± 0
Litter Birth Weight, kg	0.9885	No data available	0.9885 ± 0
Average Birth Weight, kg	0.9885	No data available	0.9885 ± 0
Litter Weaning Weight, kg	0	No data available	0 ± 0
Average Weaning Weight, kg	0	No data available	0 ± 0

Generating Reports: Monthly Performance Report

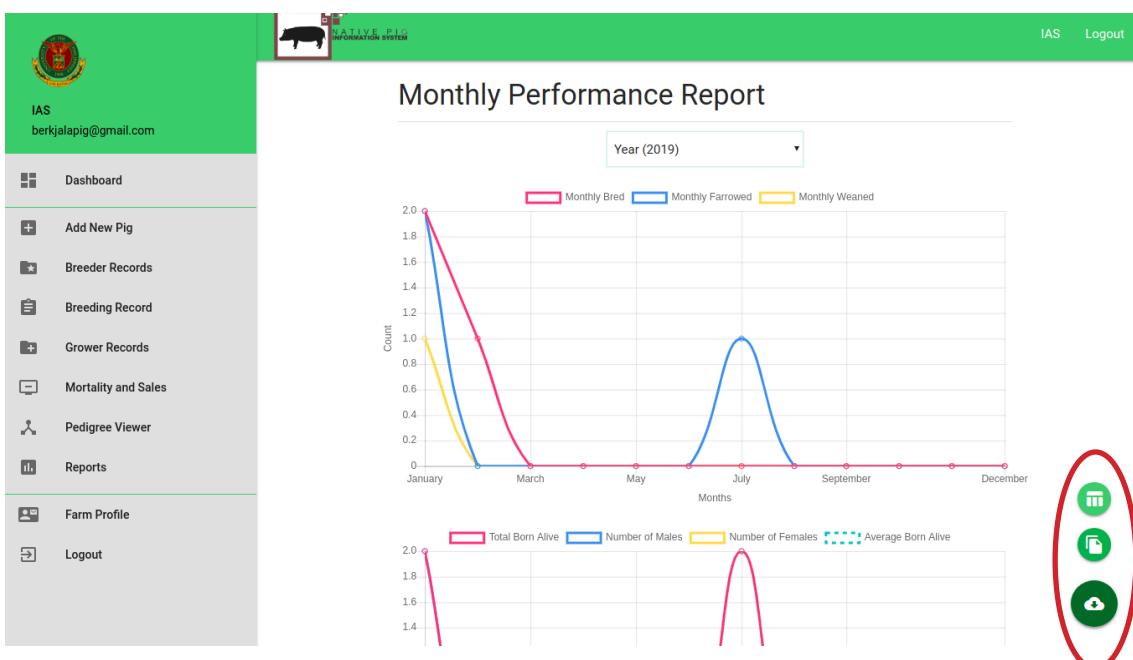
- This report is similar to the graphs in the dashboard but unlike in the dashboard which shows only the data for the current year, data from the past years can be viewed. To view the data for the past years, just click the dropdown and choose the desired year.
- It has four (4) graphs:
 1. monthly bred, monthly farrowed, monthly weaned
 2. total born alive, number of males, number of females, average born alive
 3. total littersize weaned, average weaned
 4. average birth weight, average weaning weight



Generating Reports:

Monthly Performance Report

- This report can be downloaded as PDF or CSV file. To download, hover the circle button on the bottom right of the corner with icon and two more buttons will show. To download the report as PDF, click the button with the icon and the "Save as" window will appear. On the other hand, to download as CSV file, click the icon and the "Save as" window will appear.



Generating Reports: Breeder Inventory Report

- This report is divided into two: "Sow Inventory" and "Boar Inventory"
- The "Sow Inventory" consists of the actual inventory and the summary per year. The actual inventory shows the number of bred, gilts, pregnant sows, lactating sows, and dry sows for the month as of the current date when the user viewed the report. The number of bred female breeders are separated into sows and gilts. To know the differences of the categories, the labels can be hovered and the information needed is shown.
- For the summary section, the inventory per month is displayed. The summaries per year are separated with each other. To view the summary for a certain year, just click the gray rectangle with the year of choice as label.

The screenshot shows the 'Breeder Inventory Report' page. At the top, there's a navigation bar with the logo 'IAS INFORMATION SYSTEM' and icons for pig, user, and logout. On the left, a sidebar menu lists: Dashboard, Add New Pig, Breeder Records, Breeding Record, Grower Records, Mortality and Sales, Pedigree Viewer, Reports, Farm Profile, and Logout. The main content area has tabs for 'SOW INVENTORY' and 'BOAR INVENTORY'. Below the tabs, it says 'Inventory for March, 2019 as of March 29, 2019'. It shows the total number of female breeders (6), average age (5.8 months), and female breeders without age data (1). The 'SOW INVENTORY' section contains six boxes: 'Bred Sows' (0), 'Bred Gilts' (0), 'Gilts' (4), 'Pregnant' (0), 'Lactating' (1), and 'Dry' (1). A red arrow points from a yellow callout box to the 'Bred Sows' box. The yellow box contains the text: 'Pointing your mouse to the blue-colored texts will give you a brief description of which are the pigs included in that category.'

Pointing your mouse to the blue-colored texts will give you a brief description of which are the pigs included in that category.

Generating Reports:

Breeder Inventory Report

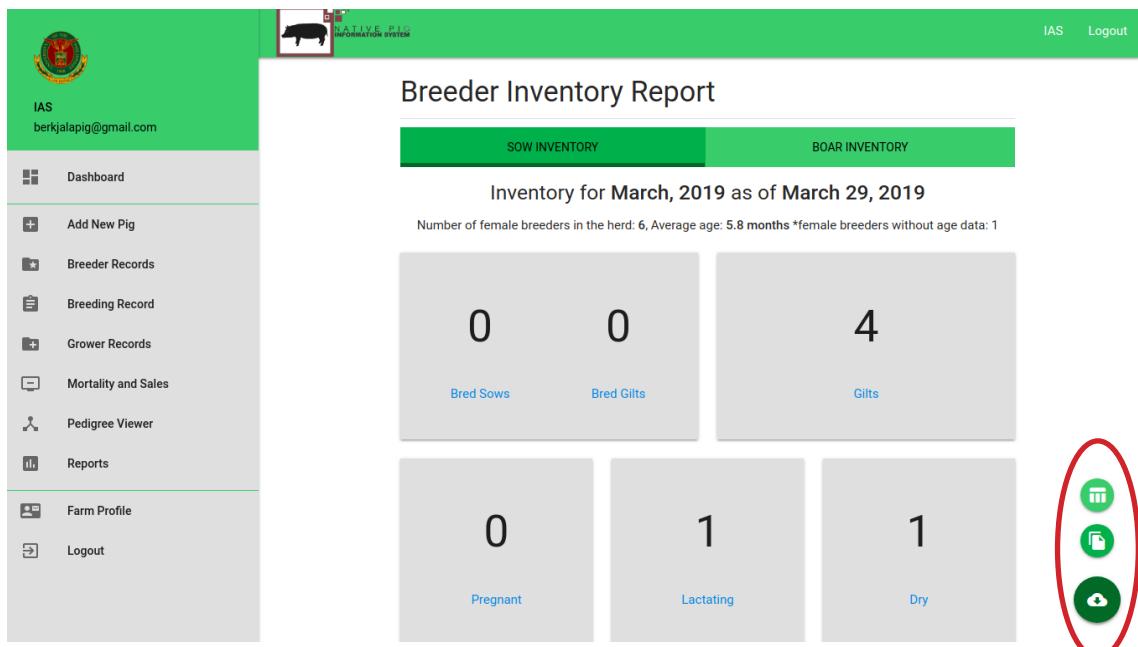
- For the “Boar Inventory” section, it shows the actual number of Junior and Senior boars for the month as of the current date when the user viewed the report.
- Junior boars are the boars which are less than 1 year old while the Senior boars are the boars which are 1 year old and above as stated when their labels are hovered.

The screenshot shows the system's interface with a green header bar. On the left is a sidebar with a logo, the text "IAS" and "berkjalapig@gmail.com", and a list of menu items: Dashboard, Add New Pig, Breeder Records, Breeding Record, Grower Records, Mortality and Sales, Pedigree Viewer, and Reports. The main content area has a title "Breeder Inventory Report" and tabs for "SOW INVENTORY" and "BOAR INVENTORY". Below this, a message says "Inventory for March, 2019 as of March 29, 2019" and "Number of boars in the herd: 3, Average age: 1 months". Two large boxes show the counts: "Junior Boars" (3) and "Senior Boars" (0). A tooltip for "Senior Boars" indicates "1 year old and above". The top right of the screen shows "IAS" and "Logout".

This screenshot is similar to the one above but shows a different age grouping for the boars. The "Junior Boars" count is now "Less than 1 year old" (3), and the "Senior Boars" count is 0. The rest of the interface and data is identical to the first screenshot.

Generating Reports: Breeder Inventory Report

- This report can be downloaded as PDF or CSV file. To download, hover the circle button on the bottom right of the corner with  icon and two more buttons will show. To download the report as PDF, click the button with the icon  and the "Save as" window will appear. On the other hand, to download as CSV file, click the  icon and the "Save as" window will appear.



Breeder Inventory Report

SOW INVENTORY BOAR INVENTORY

Inventory for March, 2019 as of March 29, 2019

Number of female breeders in the herd: 6, Average age: 5.8 months *female breeders without age data: 1

Category	Count
Bred Sows	0
Bred Gilts	0
Gilts	4
Pregnant	0
Lactating	1
Dry	1

IAS Logout

berkjalapig@gmail.com

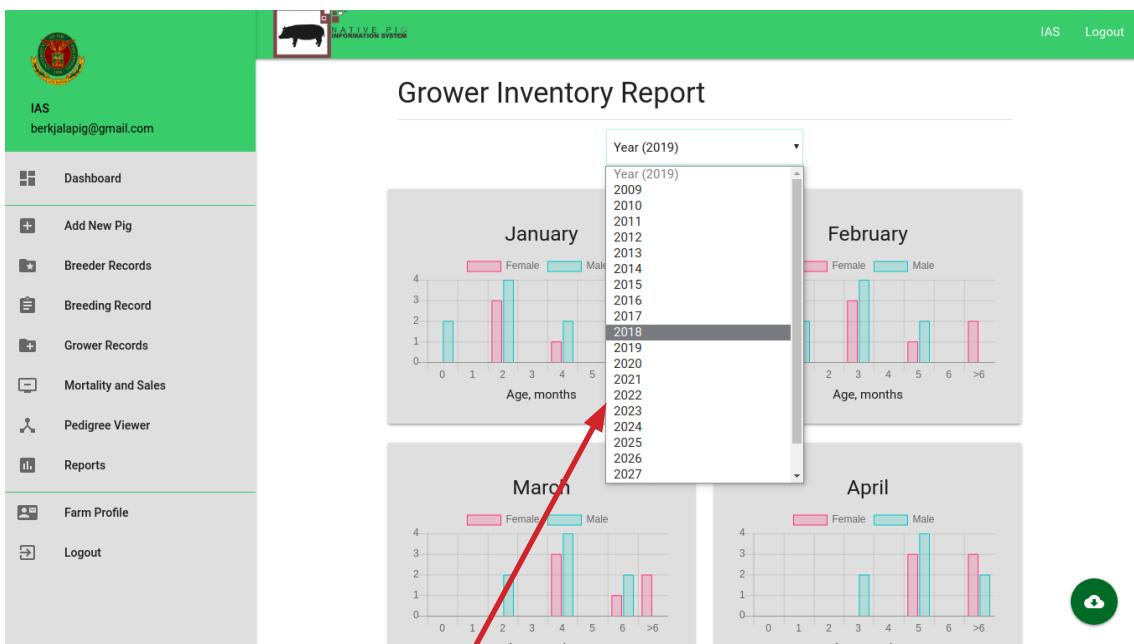
Dashboard Add New Pig Breeder Records Breeding Record Grower Records Mortality and Sales Pedigree Viewer Reports

Farm Profile Logout

Generating Reports:

Grower Inventory Report

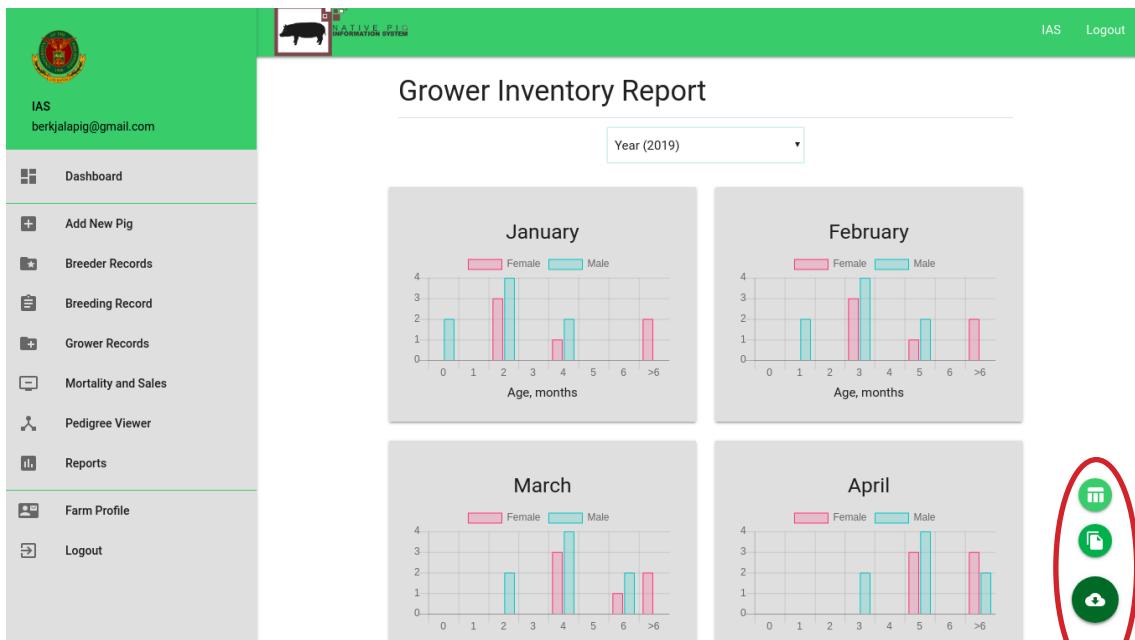
- This report contains 12 cards corresponding to the 12 months of the year. This shows the actual number of growers according to their ages per month. It shows even the future months to show the forecast to know how many growers are ready to be breeders or ready to be sold for lechon.
- The graph per card shows the number of growers aged 0, 1, 2, 3, 4, 5, 6, and >6 months separated into female and male.



The default view is for the current year but it can be filtered to see the past the future years. Just click the dropdown and choose the desired year.

Generating Reports: Grower Inventory Report

- This report can be downloaded as PDF or CSV file. To download, hover the circle button on the bottom right of the corner with  icon and two more buttons will show. To download the report as PDF, click the button with the icon  and the "Save as" window will appear. On the other hand, to download as CSV file, click the  icon and the "Save as" window will appear.



The screenshot shows the 'Grower Inventory Report' page. At the top, there's a navigation bar with the system logo (a pig icon), the text 'NATIVE PIG INFORMATION SYSTEM', and user account links 'IAS' and 'Logout'. On the left, a sidebar menu lists various functions: Dashboard, Add New Pig, Breeder Records, Breeding Record, Grower Records, Mortality and Sales, Pedigree Viewer, Reports, Farm Profile, and Logout. The main content area is titled 'Grower Inventory Report' and includes a dropdown menu set to 'Year (2019)'. Below this are four charts, one for each month from January to April. Each chart has 'Age, months' on the x-axis (ranging from 0 to >6) and count on the y-axis (ranging from 0 to 4). The legend indicates pink bars for Female and cyan bars for Male. In January, there are 2 males at 0 months, 3 females at 2 months, 4 males at 2 months, 1 female at 4 months, and 2 females at >6 months. In February, there are 2 males at 1 month, 3 females at 3 months, 4 males at 3 months, 1 female at 5 months, and 2 females at >6 months. In March, there are 2 males at 2 months, 3 females at 4 months, 4 males at 4 months, 1 female at 6 months, and 2 females at >6 months. In April, there are 2 males at 3 months, 3 females at 5 months, 4 males at 5 months, and 2 females at >6 months. A red circle highlights the three download icons in the top right corner of the page header.

Generating Reports: Mortality and Sales Report

- This report is divided into two sections: inventory for the month as of the current date of viewing and summary per year.
- The inventory for the month as of the current date of viewing includes:
 - number of dead pigs, average age in months
 - number of culled/donated pigs
 - number of sold pigs, average age, average weight (all separated into growers and breeders)

The screenshot shows the 'Mortality & Sales Report' page. At the top, there's a navigation bar with the logo, user information (IAS, berkjalapig@gmail.com), and links for Logout. On the left is a sidebar with links for Dashboard, Add New Pig, Breeder Records, Breeding Record, Grower Records, Mortality and Sales, Pedigree Viewer, Reports, Farm Profile, and Logout. The main content area displays the following data:

Inventory for March, 2019 as of March 29, 2019		
<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>Dead Pigs</p> <p>0</p> <p>Total</p> <p>No data available</p> <p>Average age, months</p> </div> <div style="text-align: center;"> <p>Culled/Donated Pigs</p> <p>0</p> <p>Total</p> </div> </div>		
<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>Sold Pigs</p> <p>0</p> <p>Breeders</p> </div> <div style="text-align: center;"> <p>0</p> <p>Growers</p> </div> </div>		
<p>Average Age when Sold, months</p>		

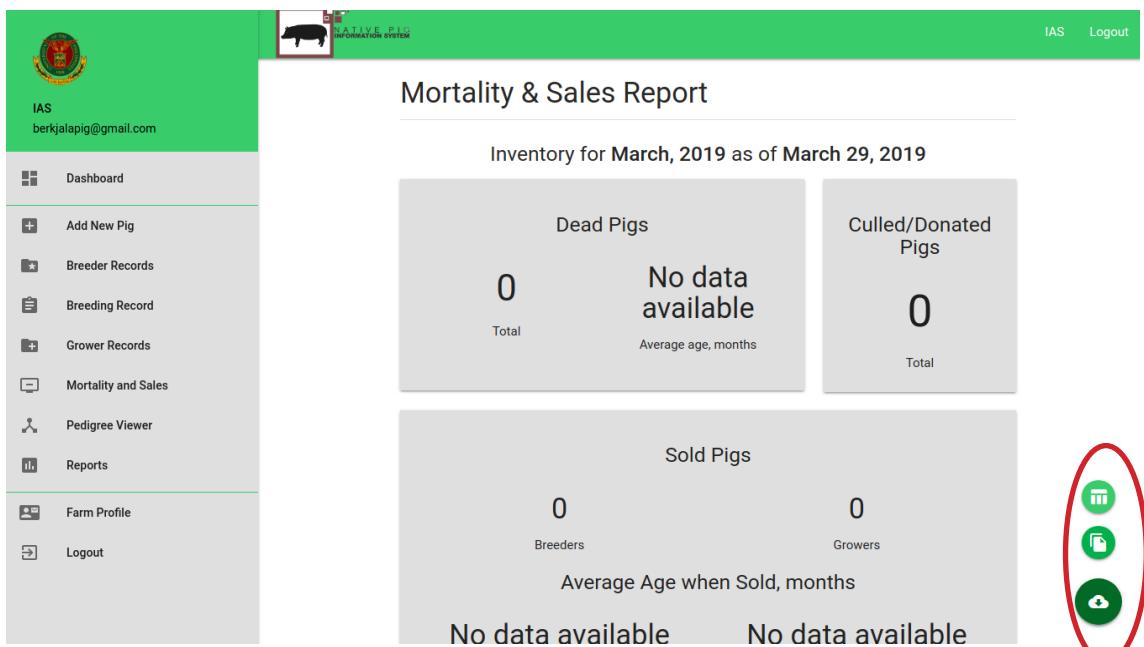
The screenshot shows the 'Summary' page for the year 2019. The layout is similar to the previous report, with a sidebar on the left and a main content area on the right. The main content area displays a table for the year 2019:

Month	Mortality		Sales			Culled/Donated
	Number of Pigs Died	Average Age, months	Number of Pigs Sold	Average Age, months	Average Weight, kg	Number of Pigs Culled/Donated
December	0	No data available	0	No data available	No data available	0
November	0	No data available	0	No data available	No data available	0
	No data available		0	No data available	No data available	0
	No data available		0	No data available	No data available	0

The summary per year section displays the same data from the inventory but for all the months of the chosen year.

Generating Reports: Mortality and Sales Report

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The screenshot shows the 'Mortality & Sales Report' page. At the top, it says 'Inventory for March, 2019 as of March 29, 2019'. Below this, there are four data cards:

- Dead Pigs:** 0 Total. No data available. Average age, months.
- Culled/Donated Pigs:** 0 Total. No data available.
- Sold Pigs:** 0 Breeders, 0 Growers. Average Age when Sold, months.
- Other:** No data available.

On the far right, there are three download icons: a CSV file, a PDF file, and a cloud icon. The cloud icon is circled in red.

Other Features:

Farm Profile

- In this page, the user can edit the farm's profile.
- He/she can add the region, town, barangay, and phone number
- The profile picture in the side menu can also be changed using this page. Just click the "Upload" button and update the farm profile

The screenshot shows the 'Farm Profile' page of the Native Pig Breed Information System. The top navigation bar includes the system logo (a pig icon) and the text 'NATIVE PIG INFORMATION SYSTEM'. The left sidebar, titled 'IAS' and showing the email 'berkjalapig@gmail.com', contains a list of menu items: Dashboard, Add New Pig, Breeder Records, Breeding Record, Grower Records, Mortality and Sales, Pedigree Viewer, Reports, Farm Profile (which is the current page), and Logout. The main content area is titled 'Farm Profile'. It displays several input fields with placeholder text and icons: 'Farm name' (UPLB Institute of Animal Science), 'Farm ID' (LAGIAS), 'Breed' (Berkjala), 'Region' (Region), 'Province' (Laguna), 'Town', 'Barangay', 'Phone number', 'Email address' (berkjalapig@gmail.com), and an 'UPLOAD' button with a file icon. At the bottom are 'SAVE' and 'RESET' buttons.

About the Project

The project "Development of Philippine Native Pig Breed Information System" is a two-year (2017-2019) project funded by DOST-PCAARRD focusing on native animal development, genetic / breeding, and the use of ICT.

As a background, the Philippine native pig has long been a source of food and income for rural farming communities. A growing market for native pork has called for sustainable management of this resource. To push for a more sustainable management of native pig breed, characterization, monitoring, and inventory are necessary (FAO, 2015).

This project aims to establish a web-based information system on Philippine native pigs accessible to Philippine native pig stakeholders. This information would be accessible to a wide range of stakeholders such as policy makers, community development practitioners, researchers, livestock keepers, and entrepreneurs in the hopes that such information would provide support in decision-making to enhance the management and use of the different native pig breeds. The information system also aims to serve as a platform for e-commerce and breed registry for native pigs, which can also be linked to other platforms for other native animals as well.

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Native Pig Breed Information System User Guide

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User Guide

Native Pig Breed Information System Portal

<http://nativepigs.pab-is.cf/>

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