



USER GUIDE FOR FEED FORMULATION APPLICATION

**A comprehensive user manual for Feed Formulation App
Addis Ababa, ETHIOPIA
Version 1.0
26/12/2023**

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1 Legend

Name	Abbreviation	Unit	Description
Dry matter	DM	%	The dry matter or dry weight is a measure of the mass of a completely dried substance. ^a
Metabolizable Energy	ME	kcal/kg	
Crude protein	CP	%	
Lysine	Lys	%	
Meth. +cystine	m+c	%	
Methionine	Met	%	
Ether extract	EE	%	
Crude fiber	CF	%	
Calcium	Ca	%	
Phosphorus	P	%	

2 Glossary

Ration

Formulation

Formula

Grid Formulation

Ingredients

Ingredient Group

Ingredient Composition

Nutrient Group

Nutrients

Requirements

Requirement Composition

Requirement Boundaries (Min & Max)

3 Introduction

Feed Formula Application is dummy text



To Access The App

Scan the QR Code or go to: <http://172.27.1.72:3000/>



4 Sign Up

1. Access the website refre to 4. If you already have an account login by following [section 5](#).
2. Enter the required information (Full name, Email address & message), Click "Submit" and wait for email response.

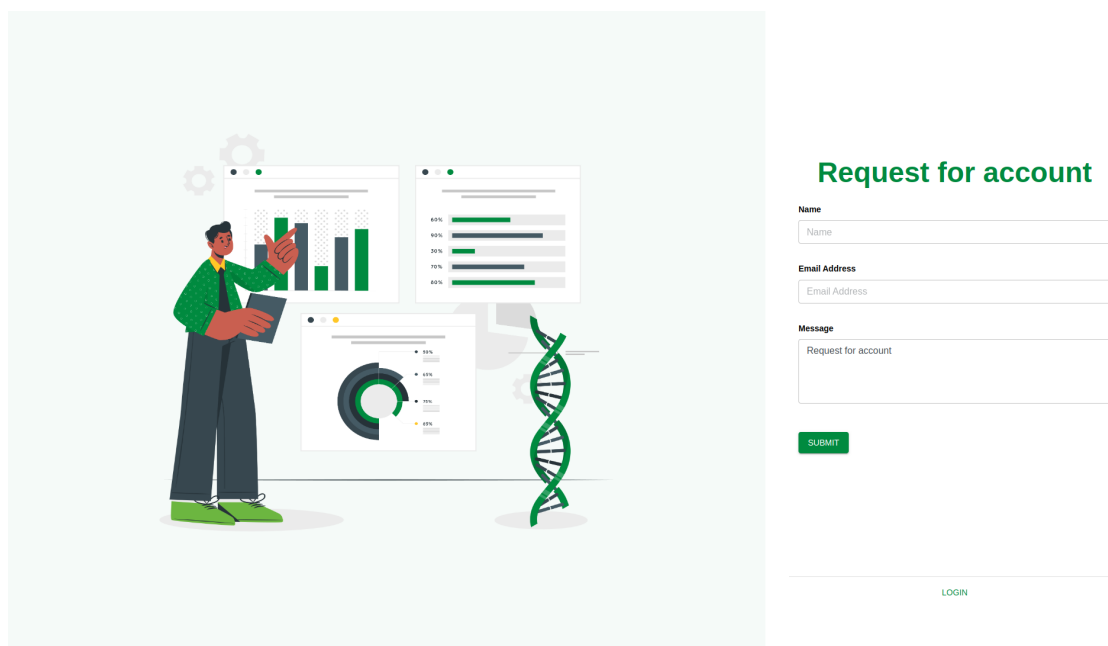


Figure 1: Sign up page

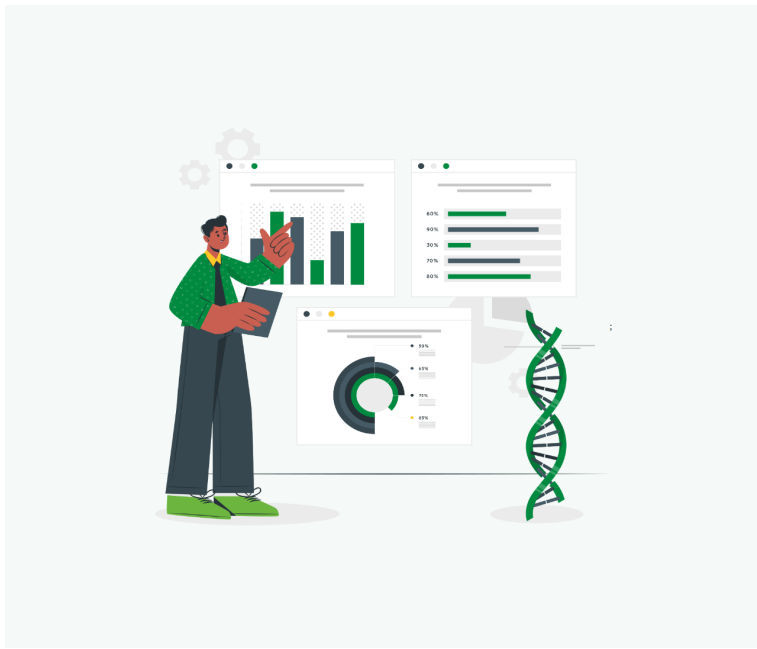
3. Go to your email inbox to create new account.




Haven't recived invitation email?

You will only recive an invitation email address, if the request is approved by admins. For further detail contact support [support address 5](#)

Click "Join" and you will be redirect to account creation page. Enter the required fields and click "**CREATE NEW ACCOUNT**".



ILRI 
CGIAR

Join via invitation

Email *

Full name *

Password *

Confirm Password *

Country

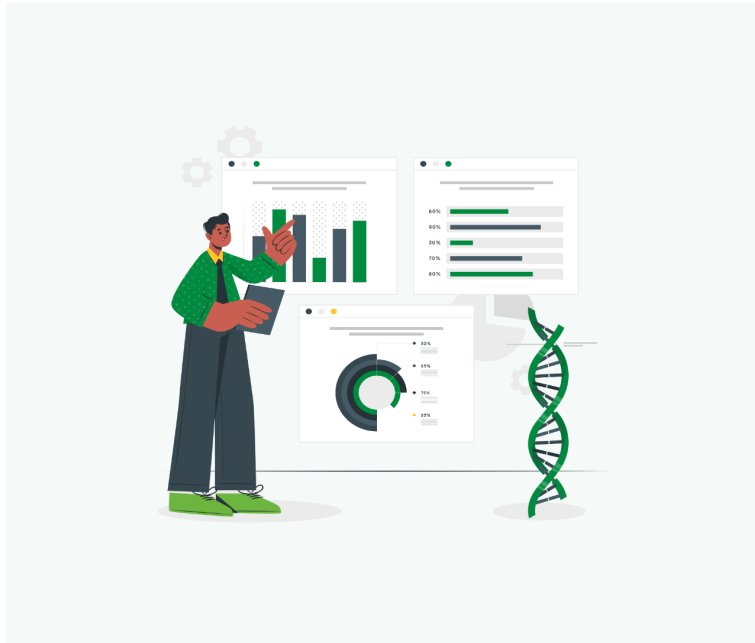
Company


[CREATE NEW ACCOUNT](#)

[LOGIN](#)

Figure 2: Verify Invitation Page

5 Login



ILRI | 
Login in to your account

Email Address

Password

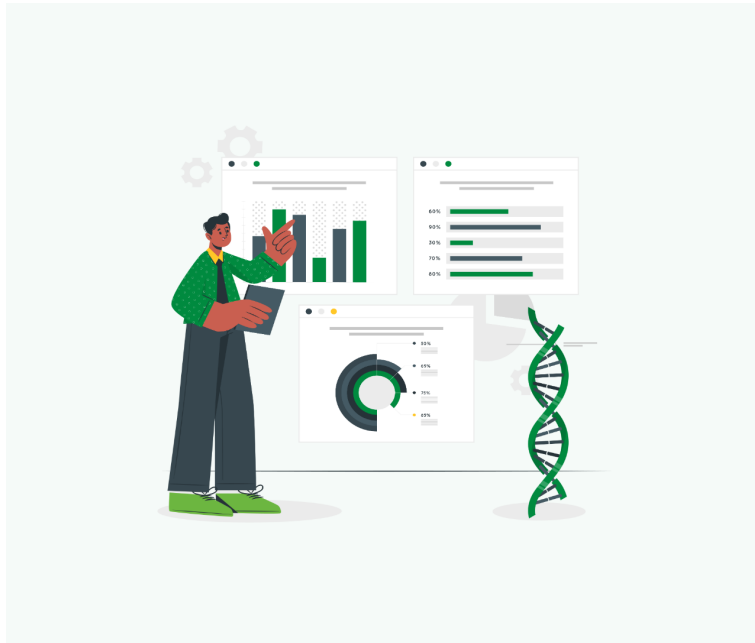
[Forgot Password?](#)


SIGN IN

[SIGN UP](#)

Figure 3: Login Page

6 Forgot Password



ILRI 
Rest Password

Email Address

RESET

[SIGN UP](#)

Figure 4: Forgot Password Page

7 First View

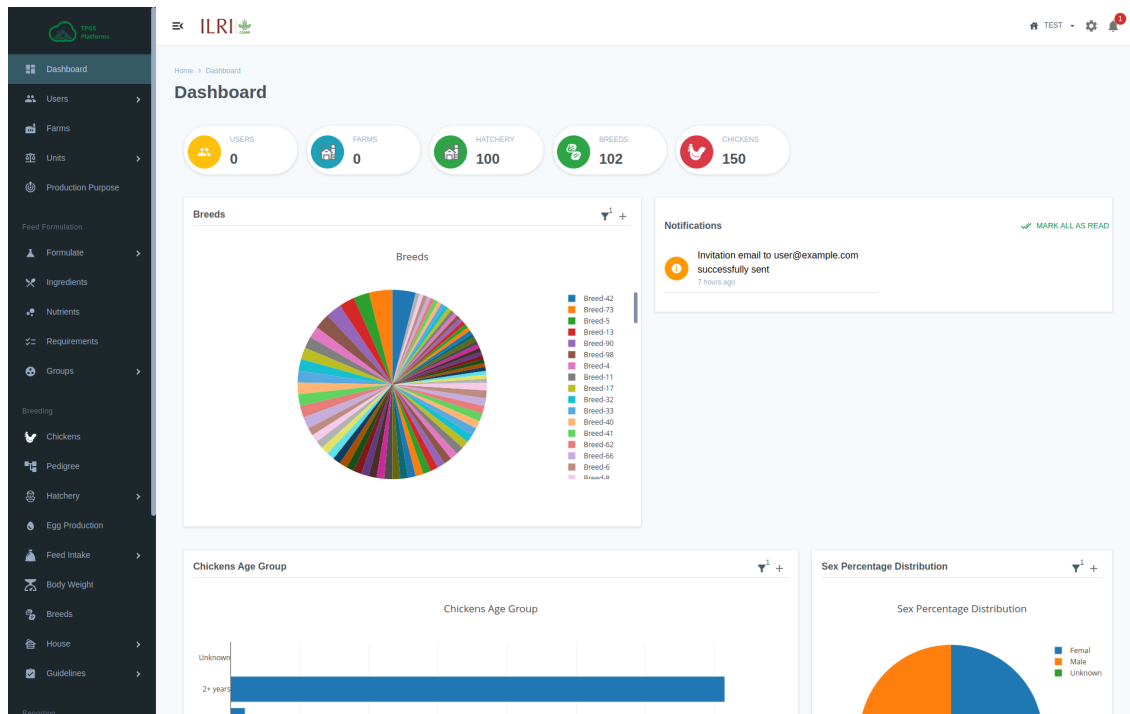


Figure 5: Dashboard Page

8 Manage Farm

Switch farm either by going to **Farms** menu or by click on top right farm menu.

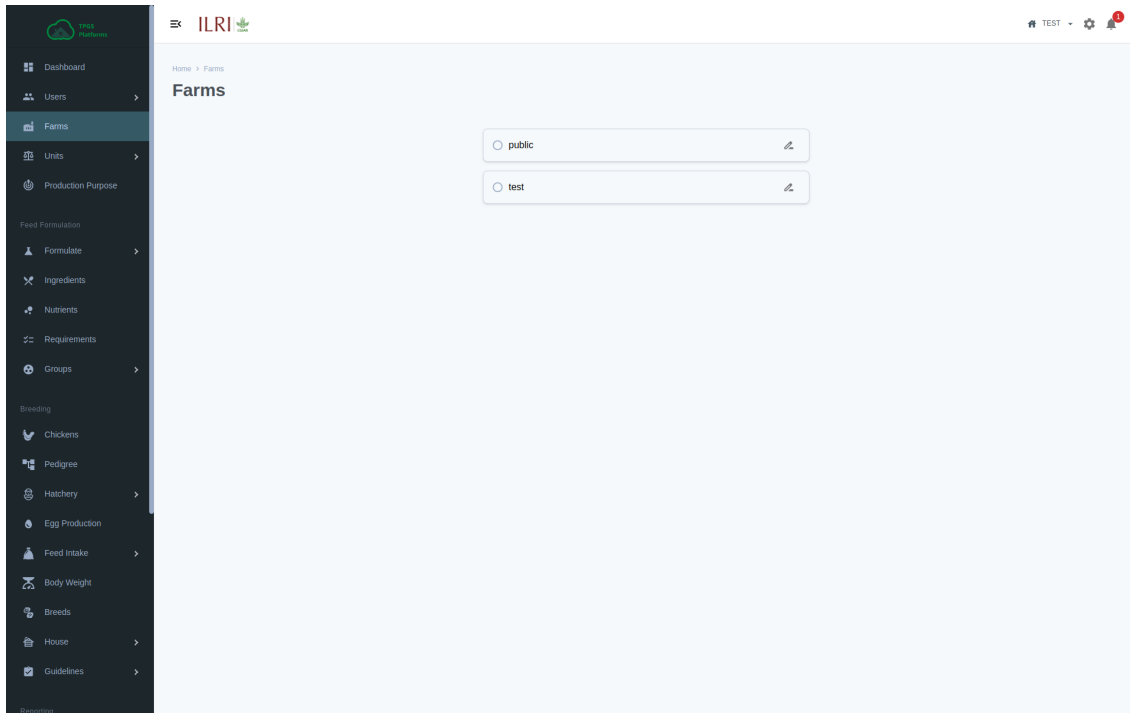


Figure 6: Switch Farm

9 Unit

9.1 View Unit List

1. Click on "Unit"

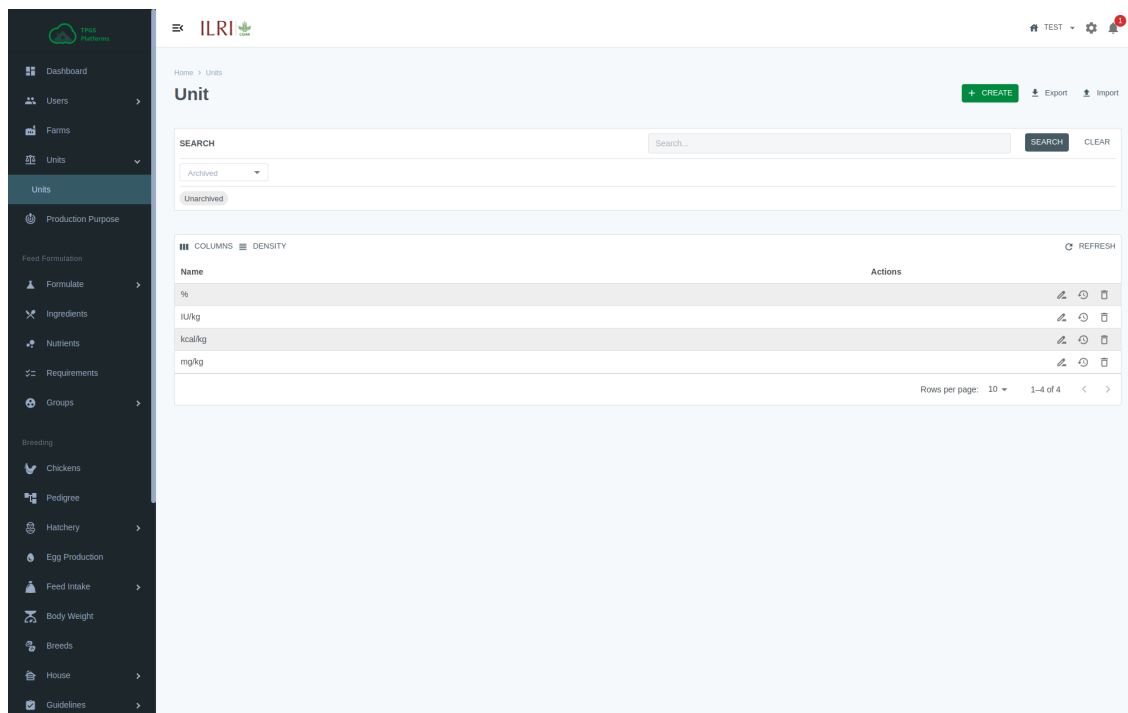


Figure 7: Unit List

9.2 Archive Records

1. On filter section filter the records by archive.

9.3 Create new Unit

1. To create new unit click on "Create" Refer [Figure 7](#) And click "CREATE", you will be redirect to [Section 9.1](#)

9.4 Edit Unit

1. Go to the Unit [Refer to Section 9.1](#), then click on Pencil icon and it will redirect to the [Figure 10](#).

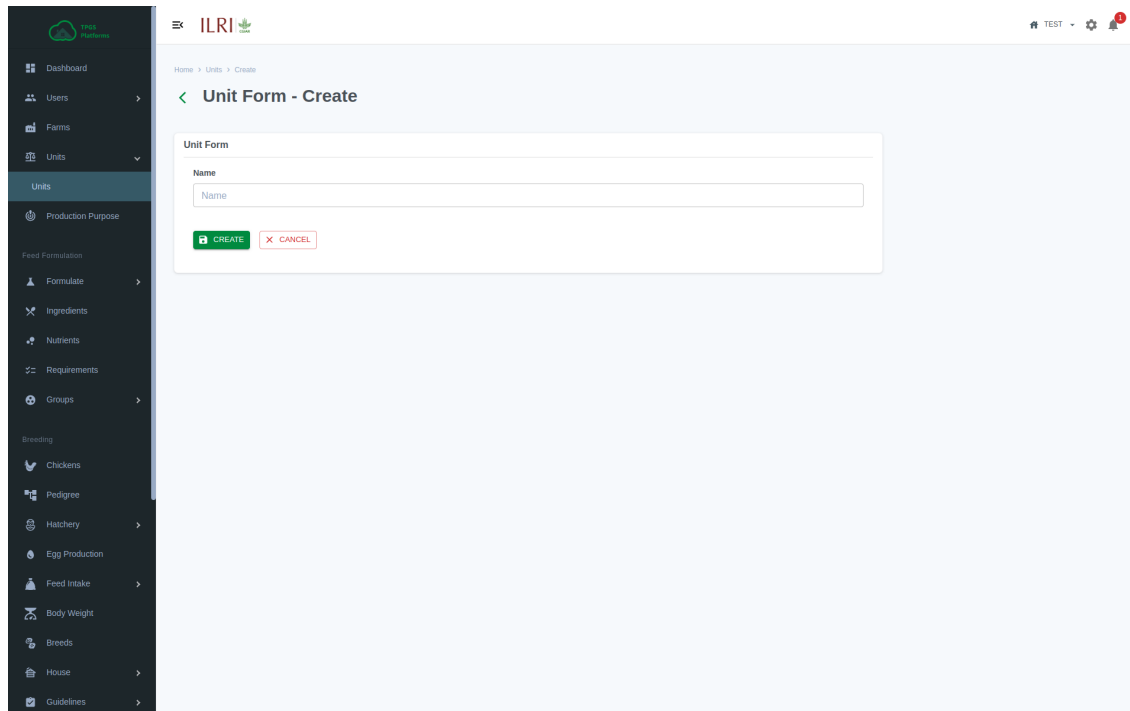


Figure 8: Create new Nutrient Group

9.5 Delete Unit

1. Go to the edit Unit [Refer to Section 9.4](#).
1. To archive the record click on **Archive**. If you want to bring back the record/unarchive follow the step under [Section 9.2](#), and click on **UnArchive**
1. To permanently delete the record click on **Delete**.

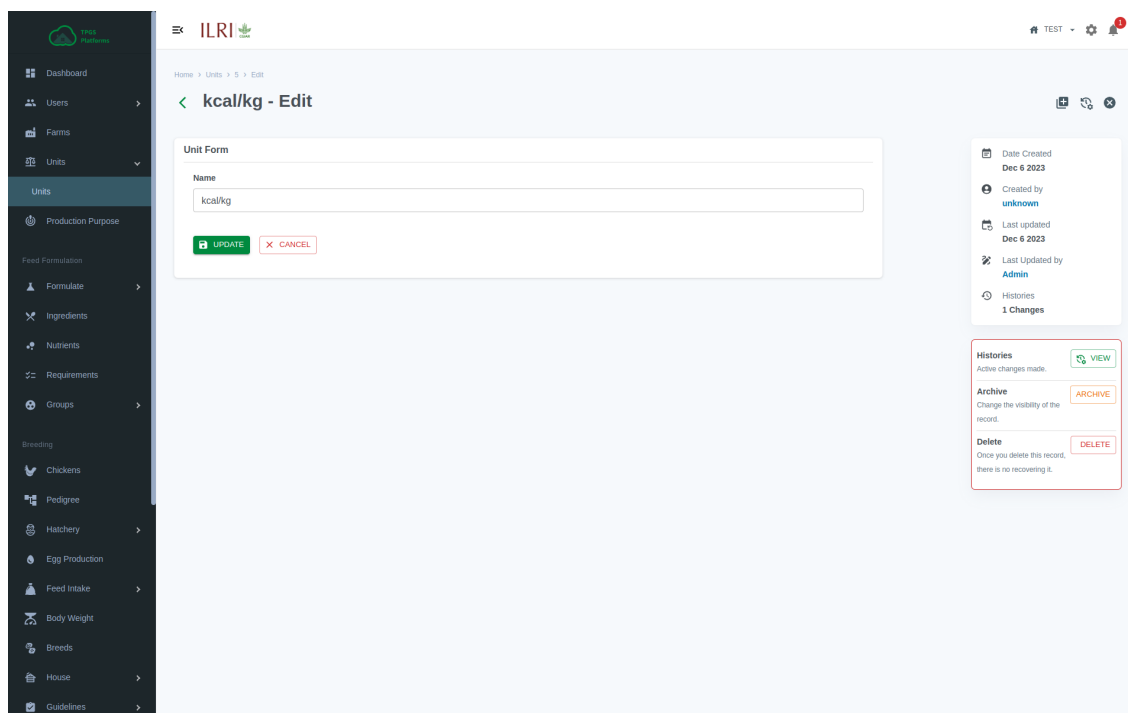



Figure 9: Edit Unit



Dashboard

Users

Farms

Units

Units

Production Purpose

Feed Formulation

Formulate

Ingredients

Nutrients

Requirements

Groups

Breeding

Chickens

Pedigree

Hatchery

Egg Production

Feed Intake

Body Weight

Breeds

House

Guidelines

Home > Units > 5 > Edit

< kcal/kg - Edit

Unit Form

Name

kcal/kg

UPDATE

CANCEL

Date Created

Dec 6 2023

Created by

unknown

Last updated

Dec 6 2023

Last Updated by

Admin

Histories

1 Changes

Histories

Active changes made.

VIEW

Archive

Change the visibility of the record.

ARCHIVE

Delete

Once you delete this record, there is no recovering it.

DELETE

Figure 10: Edit Unit

13

10 Production Purposes

10.1 Production Purpose List

1. Access Production Purposes list by clicking on "Production Purpose" from left
1. Expand "Group" menu and click on "Nutrient Group"

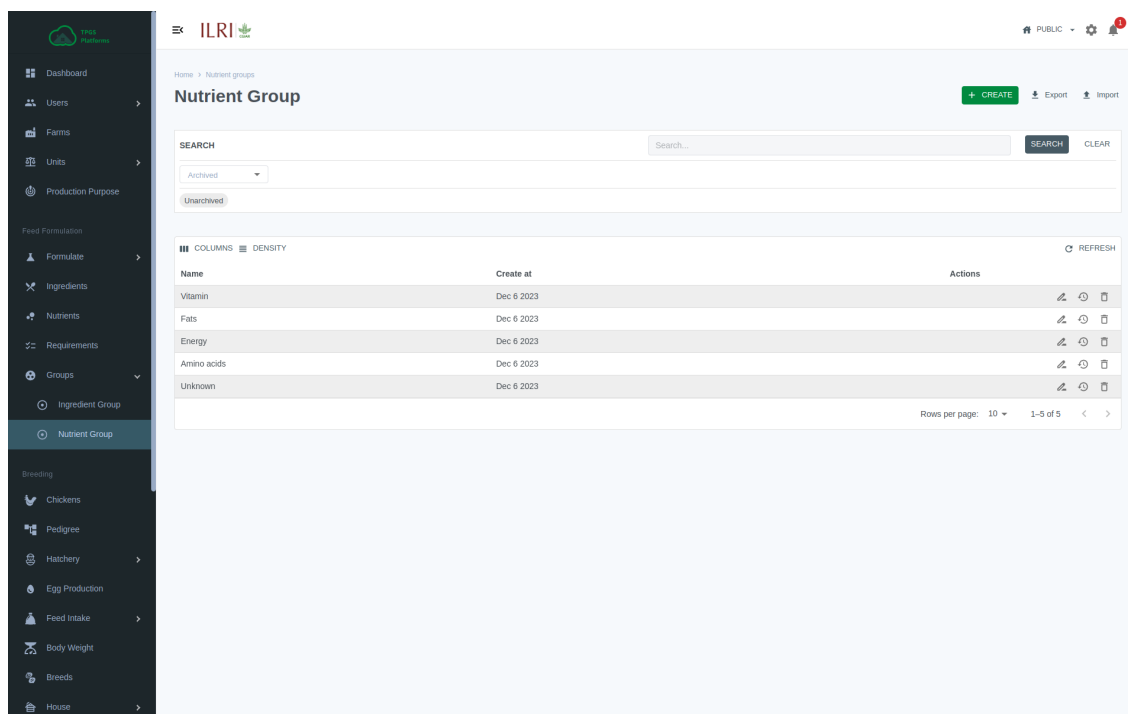


Figure 11: Nutrient Group List

10.2 Archive Records

1. On filter section filter the records by archive.

10.3 Create new Nutrient Group

1. To create new nutrient group click on "Create" Refer from nutrient list Figure 15 And click "CREATE", you will be redirect to Nutrient List section 14.1

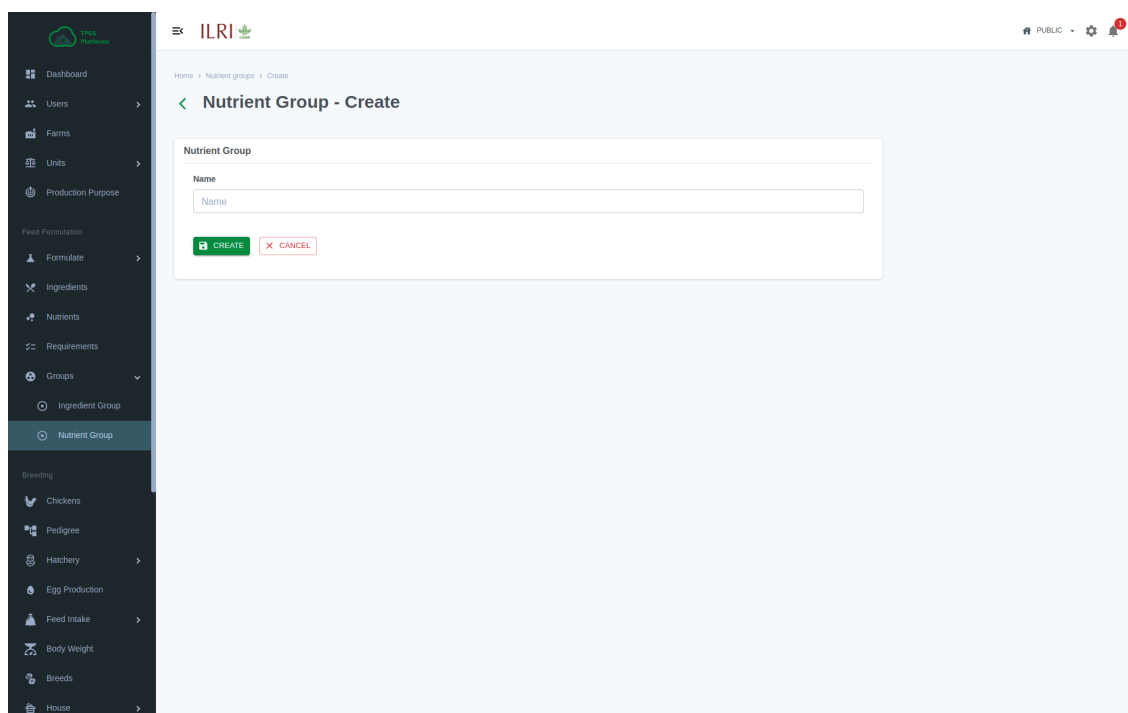


Figure 12: Create new Nutrient Group

10.4 Edit Nutrient Group

1. Go to the Nutrient Group [Refer to Section 14.1](#), then click on Pencil icon and it will redirect to the [Figure 18](#).

10.5 Delete Nutrient Group

1. Go to the edit Nutrient Group [Refer to Section 14.4](#).
1. To archive the record click on "Archive". If you want to bring back the record/unarchive follow the step under [Section 14.2](#), and click on "UnArchive"
1. To permanently delete the record click on "Delete".

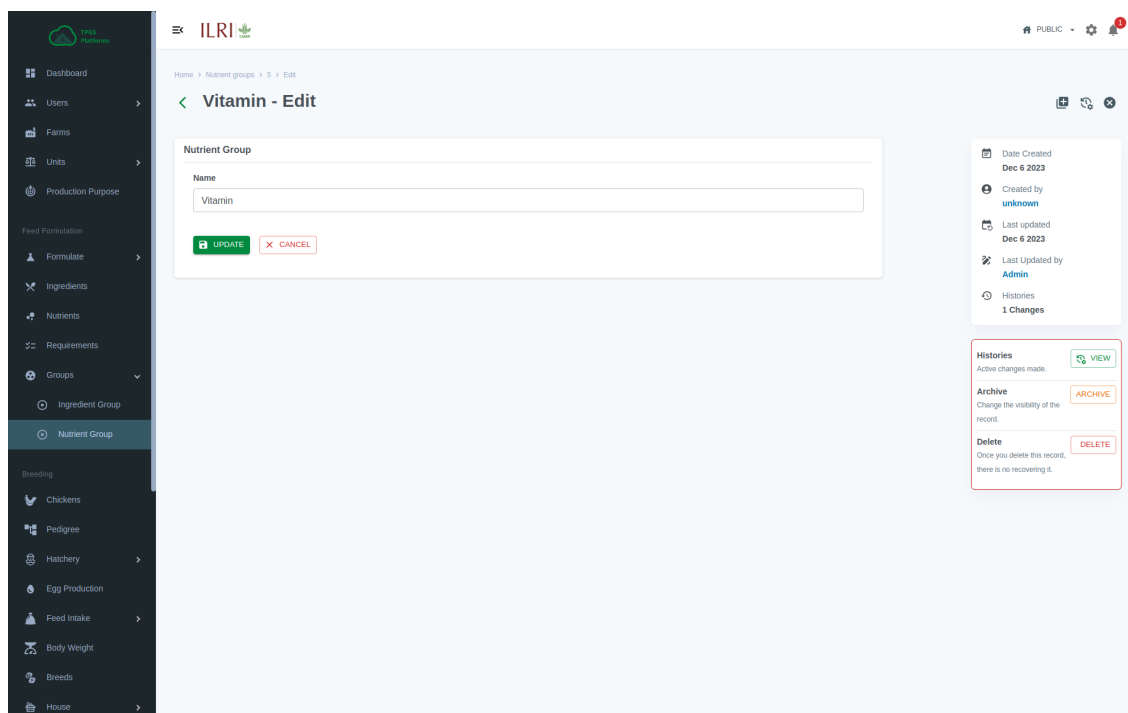


Figure 13: Edit Nutrient Group

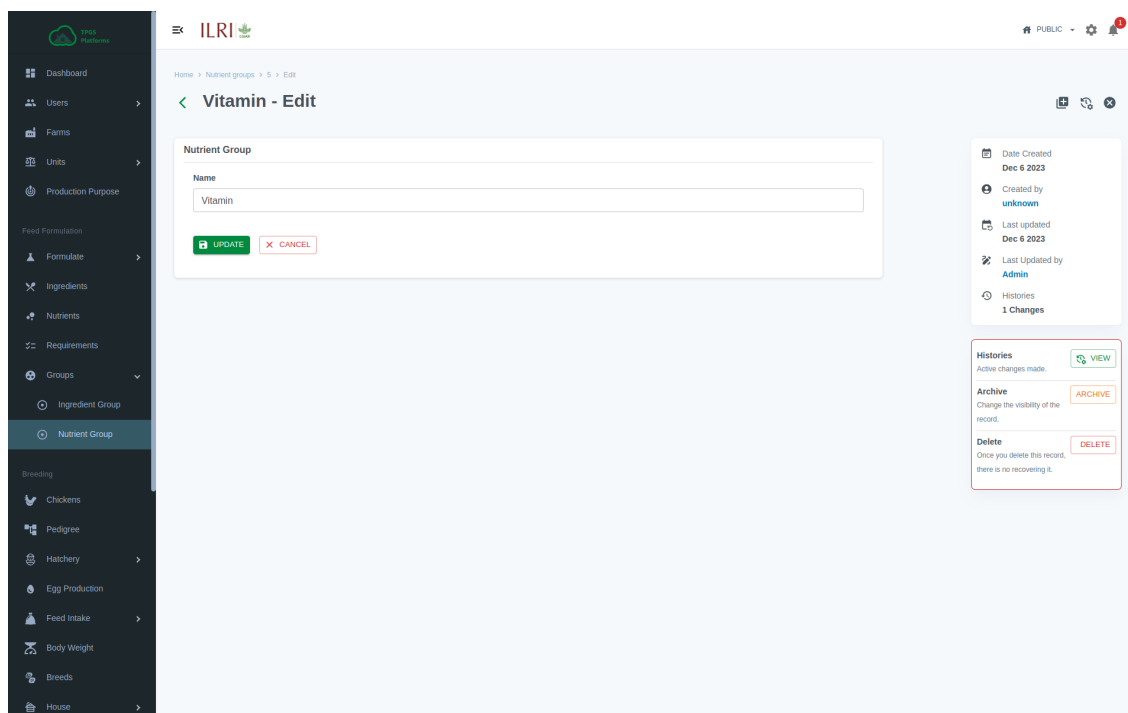


Figure 14: Edit Nutrient Group

11 Invitation

11.1 View Invitations List

11.2 Invite User

11.3 Resend Invitation

11.4 Remove Invitation

12 Users

12.1 View Users List

12.2 Edit User

12.3 Deactivate/Activate User's Account

12.4 Delete User

Danger

13 Settings

13.1 Change Password

14 Nutrient Groups

14.1 View Nutrient Group List

1. Expand "Group" menu and click on "Nutrient Group"

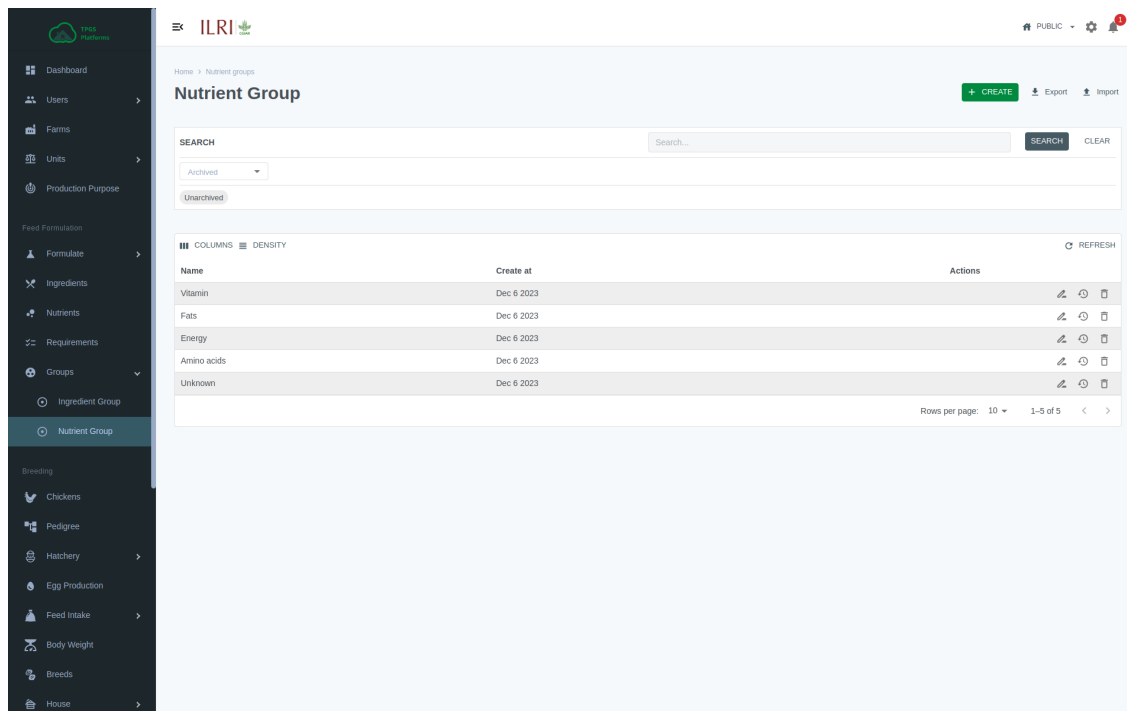


Figure 15: Nutrient Group List

14.2 Archive Records

1. On filter section filter the records by archive.

14.3 Create new Nutrient Group

1. To create new nutrient group click on "Create" Refer from nutrient list Figure 15 And click "CREATE", you will be redirect to Nutrient List section 14.1

14.4 Edit Nutrient Group

1. Go to the Nutrient Group Refer to Section 14.1, then click on Pencil icon and it will redirect to the Figure 18.

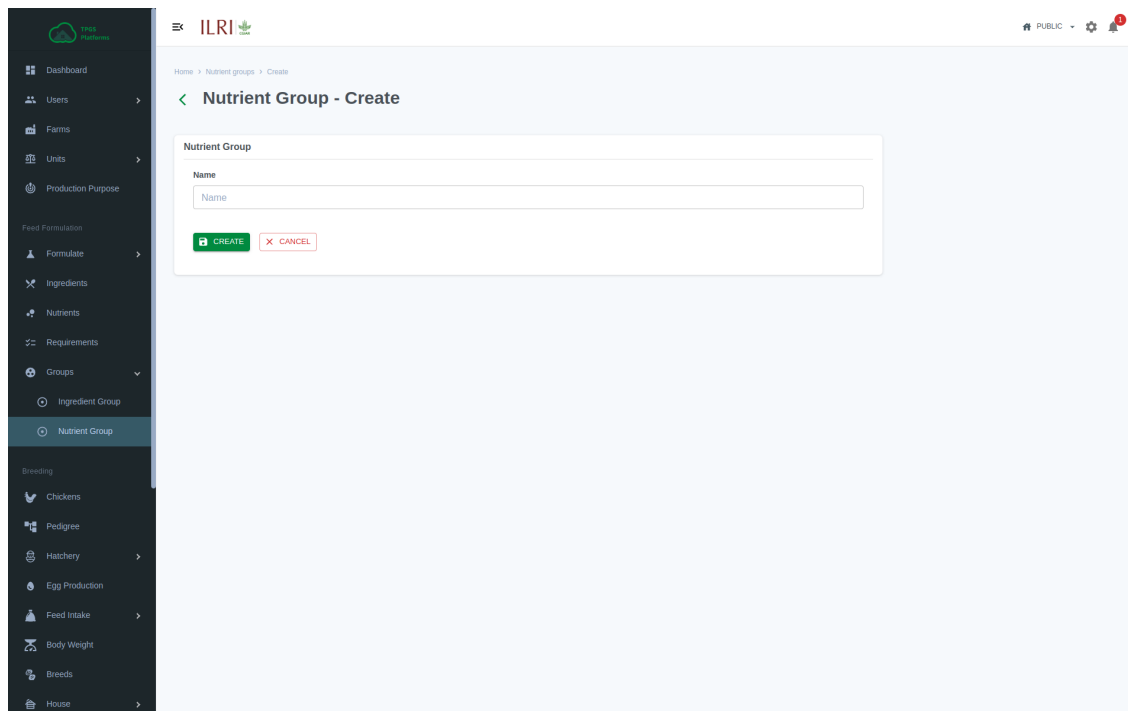


Figure 16: Create new Nutrient Group

14.5 Delete Nutrient Group

1. Go to the edit Nutrient Group [Refer to Section 14.4](#).
1. To archive the record click on "**Archive**". If you want to bring back the record/unarchive follow the step under [Section 14.2](#), and click on "**UnArchive**".
1. To permanently delete the record click on "**Delete**".

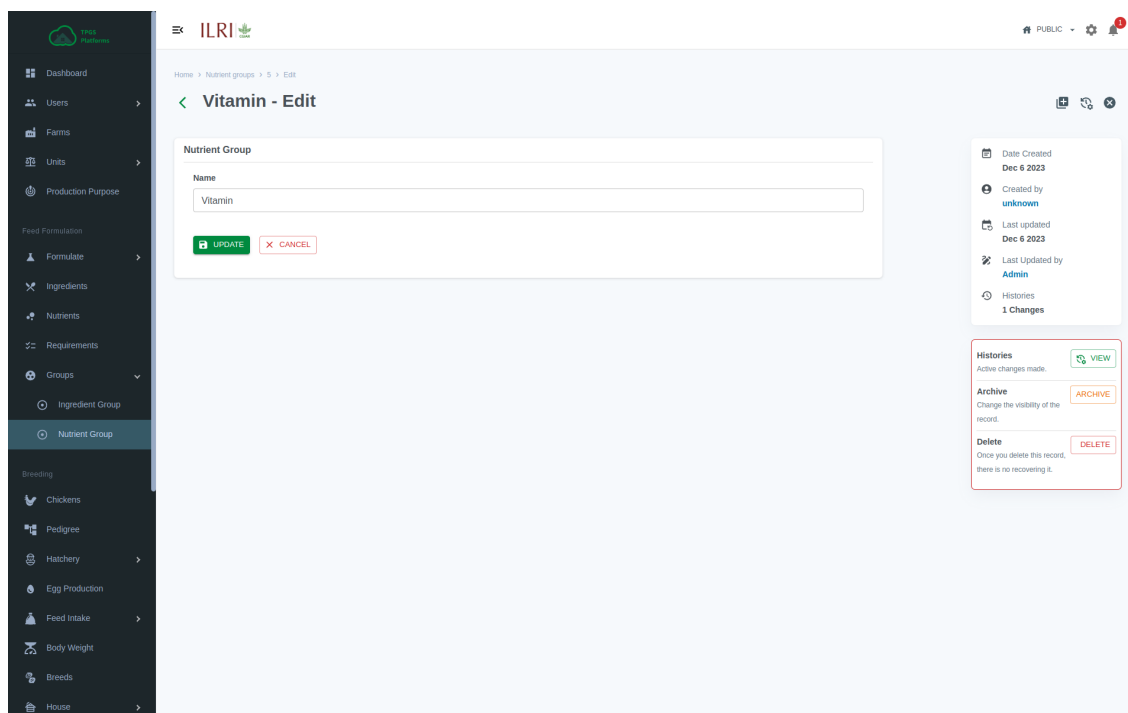


Figure 17: Edit Nutrient Group

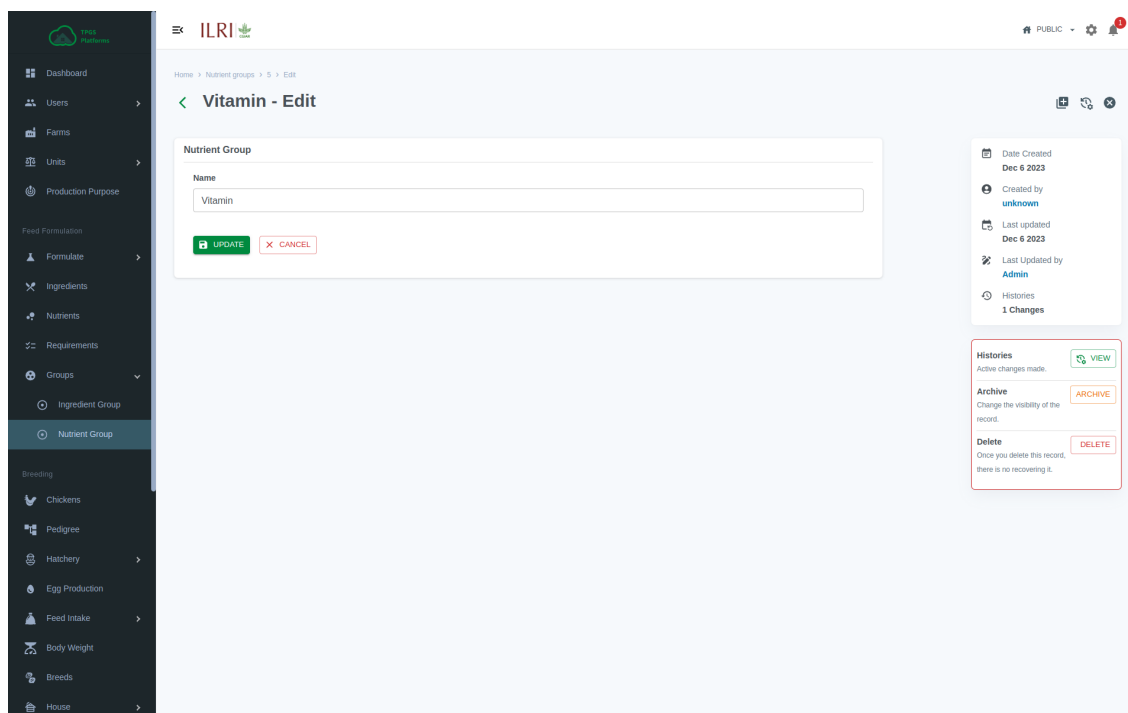


Figure 18: Edit Nutrient Group

15 Nutrient

15.1 View Nutrient List

1. Expand "Group" menu and click on "Nutrient "

Name	Abbreviation	Nutrient Group	Unit	Order	Create at	Actions
Metabolizable Energy	ME	Energy	kcal/kg	0	Dec 6 2023	Edit Delete Archive
Crude protein	CP	Unknown	%	1	Dec 6 2023	Edit Delete Archive
Lysine	Lys	Unknown	%	2	Dec 6 2023	Edit Delete Archive
Meth. +cystine	Met+C	Unknown	%	3	Dec 6 2023	Edit Delete Archive
Methionine	Met	Unknown	%	4	Dec 6 2023	Edit Delete Archive
Ether extract	EE	Unknown	%	5	Dec 6 2023	Edit Delete Archive
Crude fiber	CF	Unknown	%	6	Dec 6 2023	Edit Delete Archive
Calcium	Ca	Amino acids	%	7	Dec 6 2023	Edit Delete Archive
Phosphorus	P	Unknown	%	8	Dec 6 2023	Edit Delete Archive
Amino acids	AM		%	10	Dec 22 2023	Edit Delete Archive

Figure 19: Nutrient List

15.2 Archive Records

1. On filter section filter the records by archive.

15.3 Create new Nutrient

1. To create new nutrient group click on "Create" Refer from nutrient list Figure 19 And click "CREATE", you will be redirect to Nutrient List section 15.1

The screenshot shows the 'Nutrient Form - Create' interface. The sidebar on the left lists various navigation items, with 'Nutrients' currently selected. The main form area has a title 'Nutrient Form' and a breadcrumb 'Home > Nutrients > Create'. The form itself is divided into two columns. The left column contains 'Name', 'Nutrient Group', and 'Description' fields. The right column contains 'Abbreviation', 'Unit', and 'Order' fields. Each field is a text input with a placeholder label. At the bottom of the form, there are two buttons: a green 'CREATE' button and a red 'CANCEL' button.


Figure 20: Create new Nutrient

15.4 Edit Nutrient

1. Go to the Nutrient [Refer to Section 15.1](#), then click on Pencil icon and it will redirect to the [Figure 22](#).

15.5 Delete Nutrient

1. Go to the edit Nutrient [Refer to Section 15.4](#).
1. To archive the record click on "Archive". If you want to bring back the record/unarchive follow the step under [Section 15.2](#), and click on "UnArchive"
1. To permanently delete the record click on "Delete".



Dashboard

Users

Farms

Units

Units

Production Purpose

Feed Formulation

Formulate

Formula

New Formula

Ingredients

Nutrients

Requirements

Groups

Breeding

Chickens

Pedigree

Hatchery

Egg Production

Feed Intake

Body Weight

Breeds

Home > Nutrients > 12 > Edit

ME (kcal/kg) - Edit

Name

Metabolizable Energy

Abbreviation

ME

Nutrient Group

Energy

Unit

kcal/kg

Description

Description

Order

0

UPDATE

CANCEL

Date Created

Dec 6 2023

Created by

unknown

Last updated

Dec 6 2023

Last Updated by

Admin

Histories

1 Changes

Histories

Active changes made.

VIEW

Archive

Change the visibility of the record.

ARCHIVE


Delete

Once you delete this record, there is no recovering it.

DELETE

Figure 21: Edit Nutrient

25



Dashboard

Users

Farms

Units

Units

Production Purpose

Feed Formulation

Formulate

Formula

New Formula

Ingredients

Nutrients

Requirements

Groups

Breeding

Chickens

Pedigree

Hatchery

Egg Production

Feed Intake

Body Weight

Breeds

Home > Nutrients > 12 > Edit

ME (kcal/kg) - Edit

Name

Metabolizable Energy

Abbreviation

ME

Nutrient Group

Energy

Unit

kcal/kg

Description

Description

Order

0

UPDATE

CANCEL

Date Created

Dec 6 2023

Created by

unknown

Last updated

Dec 6 2023

Last Updated by

Admin

Histories

1 Changes

Histories

Active changes made.

VIEW

Archive

Change the visibility of the record.

ARCHIVE

Delete

Once you delete this record, there is no recovering it.

DELETE

Figure 22: Edit Nutrient

26

- 16 Ingredient Groups**
- 17 Ingredients**
- 18 Requirement**
- 19 Ration Formulation**

20 Contact Info

support email address example@example.com

21 Reference

References

- [1] Wikipedia contributors. *Dry matter* — *Wikipedia, The Free Encyclopedia*. [Online; accessed 26-December-2023]. 2023. URL: https://en.wikipedia.org/w/index.php?title=Dry_matter&oldid=1178208071.