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 Compostion

Requirement Boundires (Min & Max)

3 Introduction

This guide outlines the TPGS websites' capabilities and walks you through how you can use the application.

Acess the webiste using either the below url or QR code.

To Access The App

Scan the QR Code or go to: https://tpgs.ilri.org/

4 Ingredient

4.1 View Ingredient List

1. Inorder to access list of ingredient click on "Ingredients" menu from the sidebar.

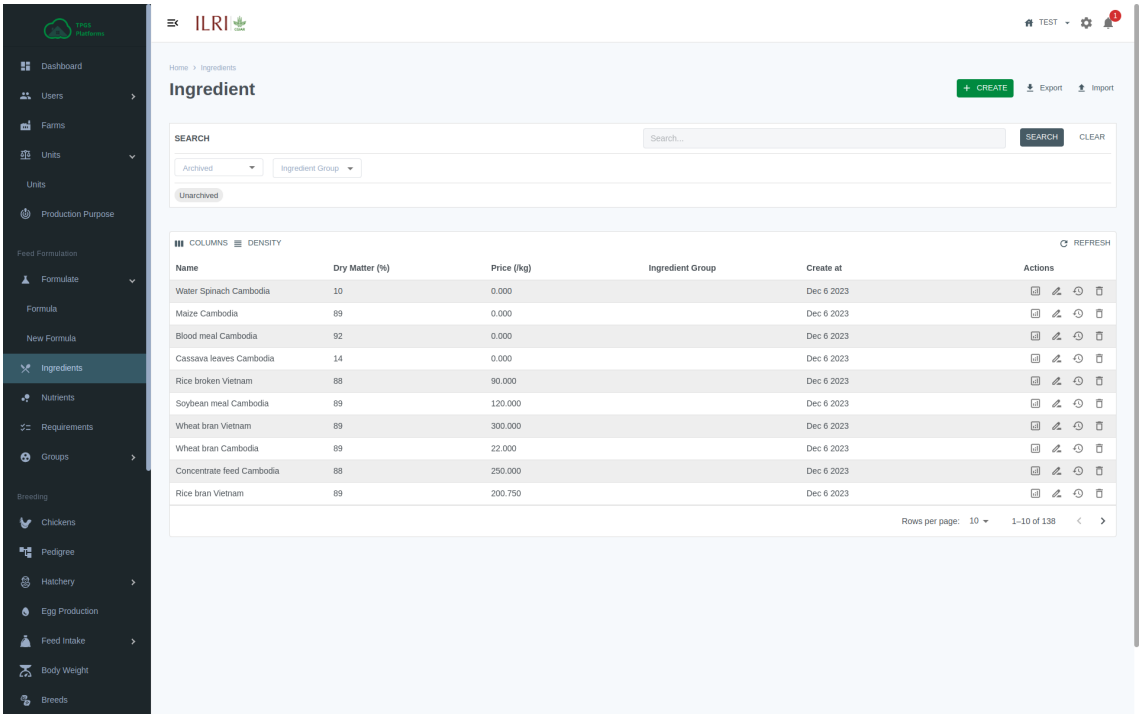


Figure 1: Ingredients List

1. Filter the list of ingredients by using the "SEARCH" card.

4.2 Create new Nutrient

1. To create new ingredient click on "Create" from Ingredients page 20

1. Input the necessary information about the ingredient and click on "CREATE" button

1. After the ingredient is created, a "COMPOSITION" will appear at the top.

1. Set ingredient's composition by clicking "Add New" and choosing the type of nutrient.

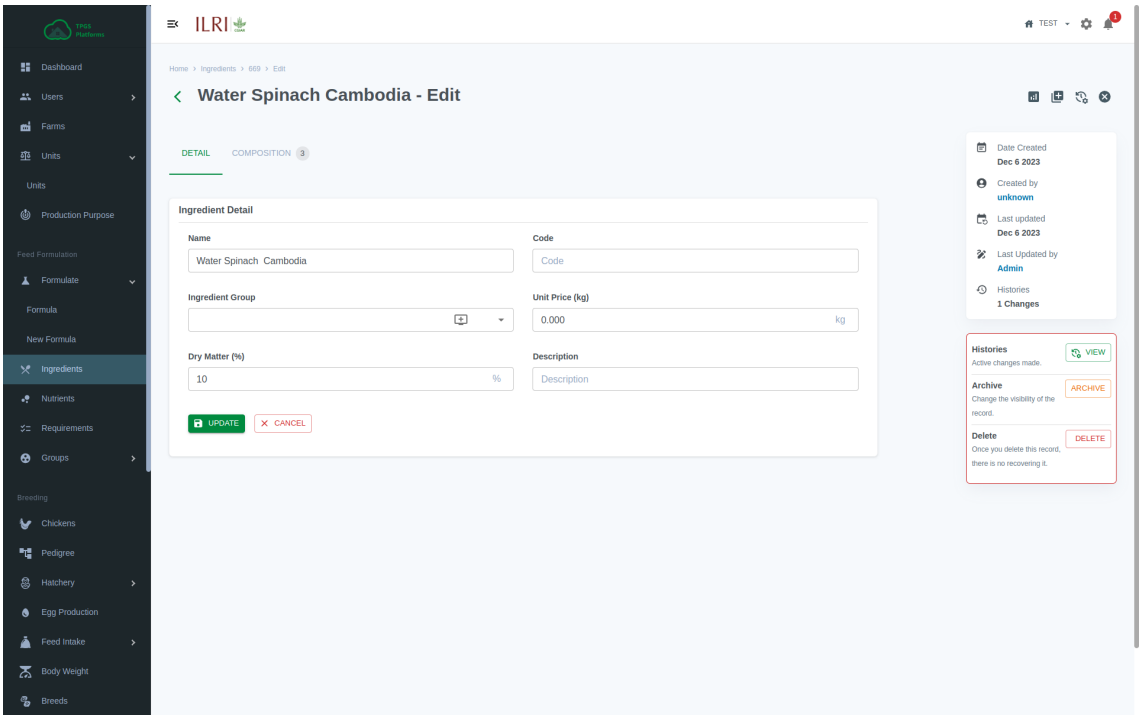


Figure 2: Create new Nutrient

1. To set value to nutrient double click on value column to corsponding row, the value will be automatically saved once you are done editing.

5 Sign Up

1. Access the website refre to 5. If you already have an account login by following section 6.

2. Enter the required information (Full name, Email address & message), Click "Submit" and wait for email response.

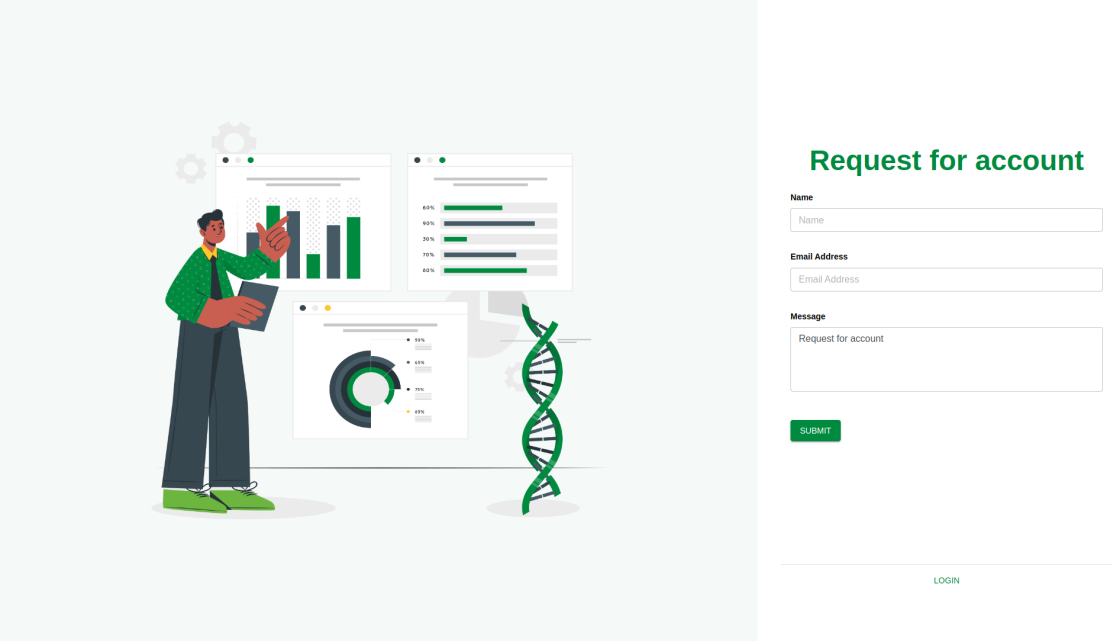


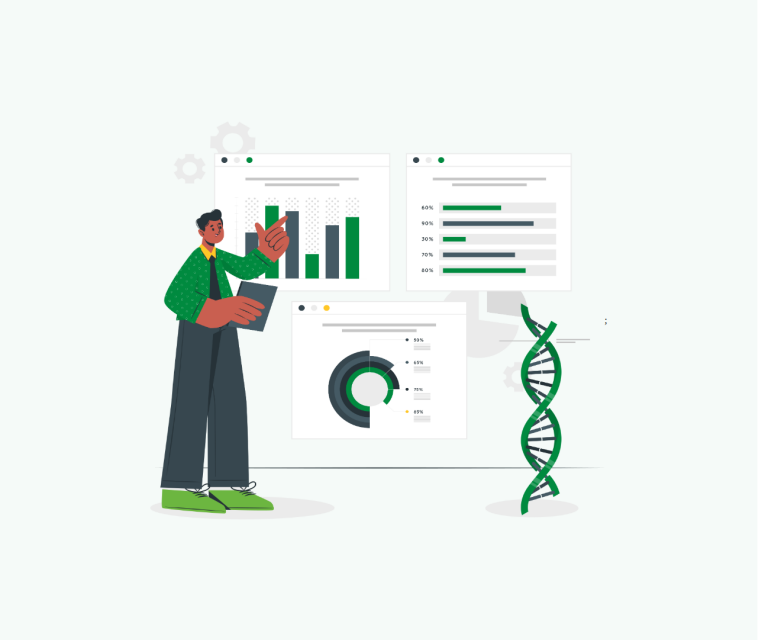
Figure 3: Sign up page

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 6

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 *
user@example.com

Full name *
Full name *

Password *
Password *

Confirm Password *
Confirm Password *

Country

Company
Company

CREATE NEW ACCOUNT

LOGIN

Figure 4: Verify Invitation Page

6 Login

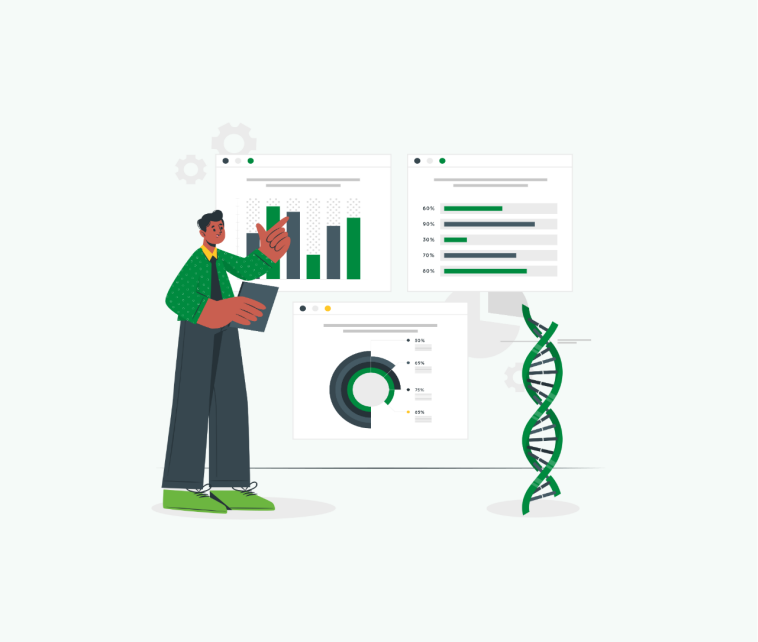


Figure 5: Login Page

7 Forgot Password

There are two ways you can reset your password, you can use "Group"

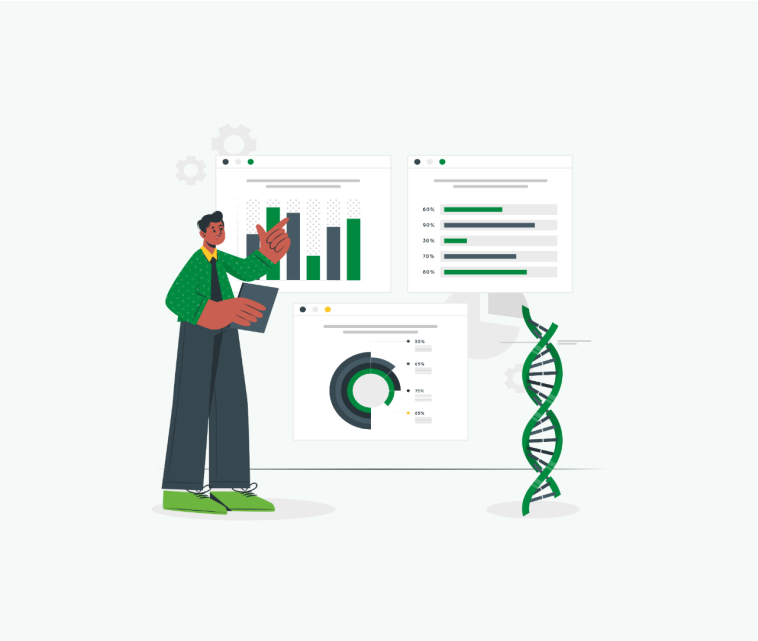


Figure 6: Forgot Password Page

7.1 Reset password before logged in

ss

(1)

7.2 Reset password after logged in

8 First View

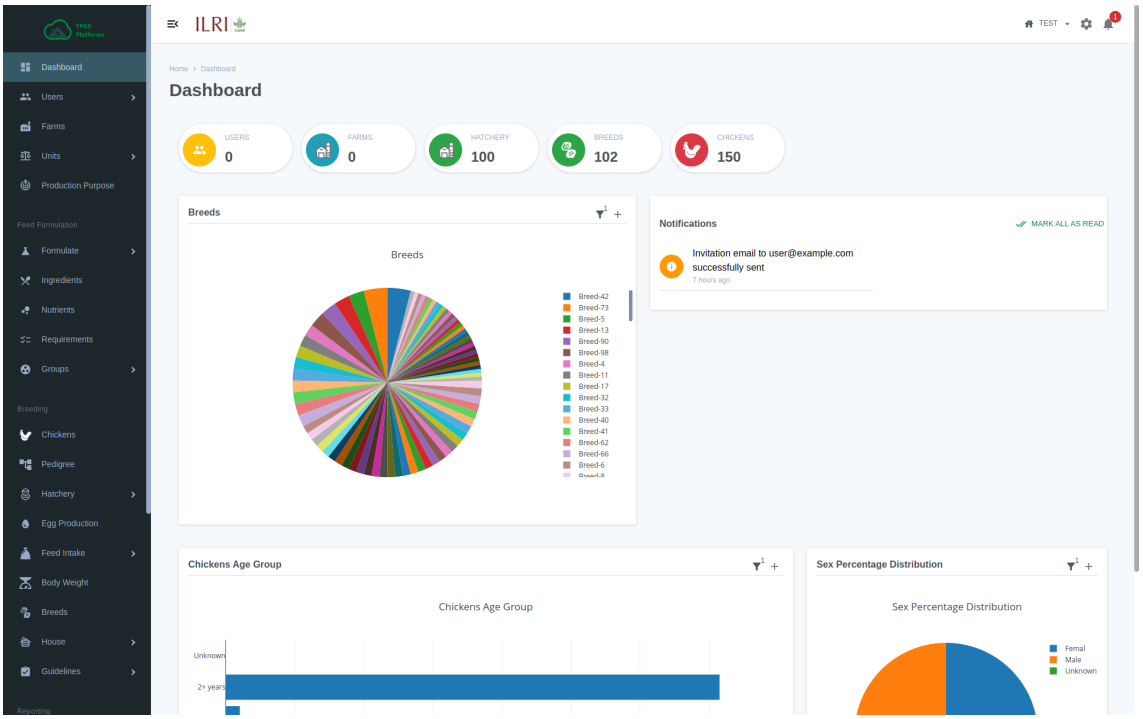


Figure 7: Dashboard Page

9 Manage Farm

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

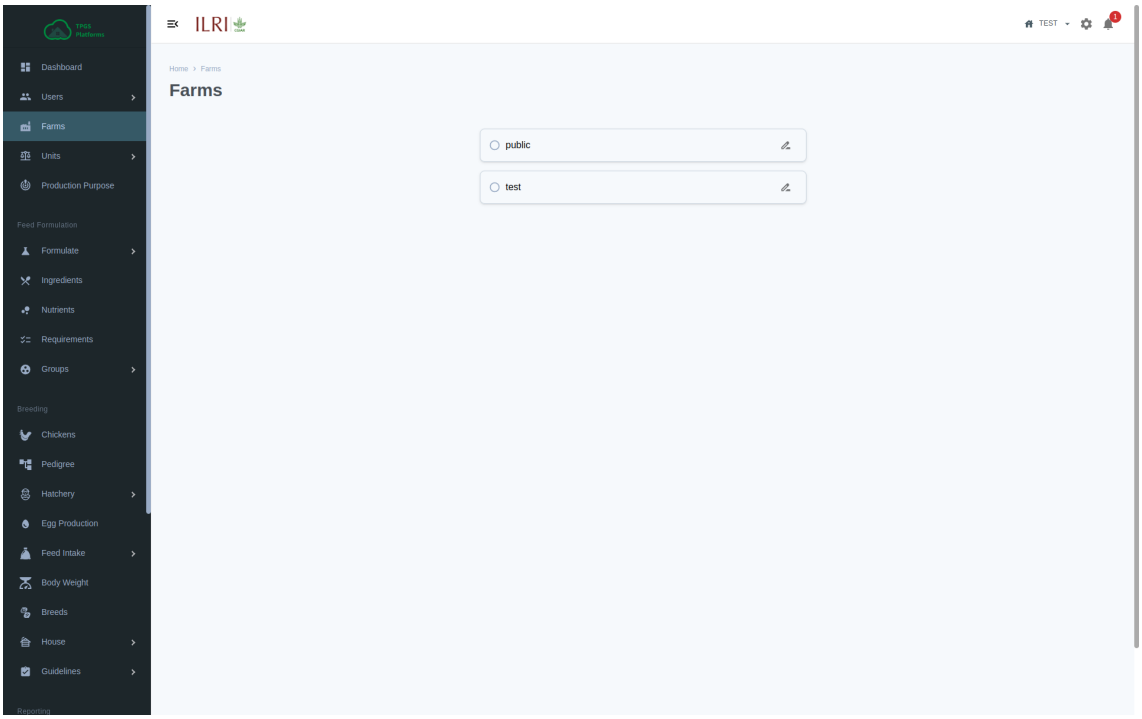


Figure 8: Switch Farm

10 How to formulate a ration

10.1 View Nutrient List

1. On left sidebar menu click "Formulate" then select "New Formula" menu, then you will be redirect to Ration Formulation page.

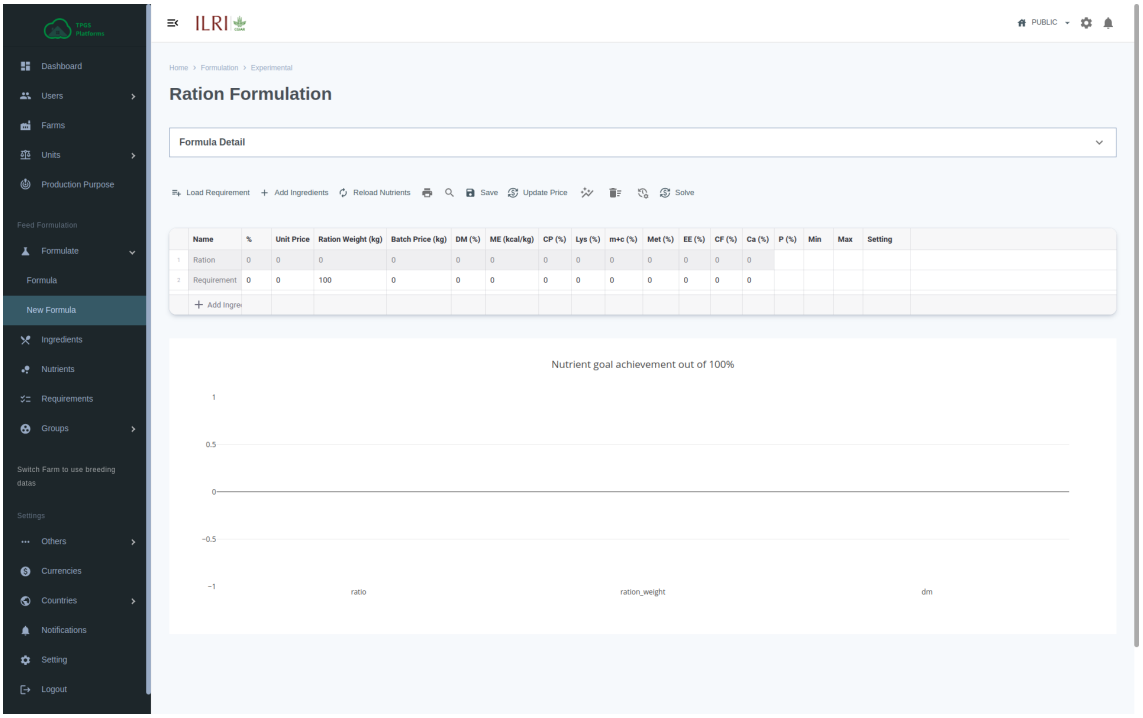


Figure 9: Ration Formulation page

1. Select the type of ration you want to prepare by clicking on "Load Requirement"

1. Click "Add Ingredients" to include the required ingredients.

1. If the ingredient you want to include in you ration is not available Refere to 4.2

1. Formulate your ration ingredient type - % per 100 kg, price (current price)

1. Print or save (to keep it as an archive)

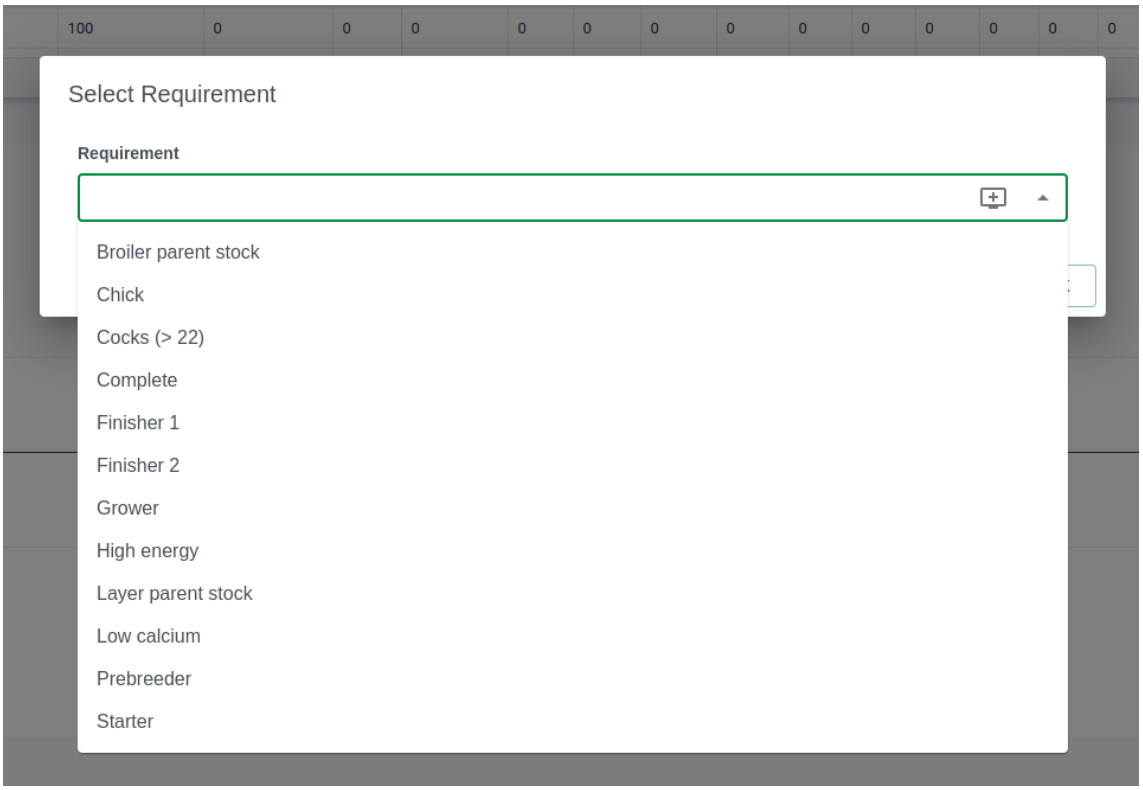


Figure 10: Load Requirement

1. To update the ingredients with the current price click “Update price”
Remark: If you want to do further analysis on formulated ration click the graph icon

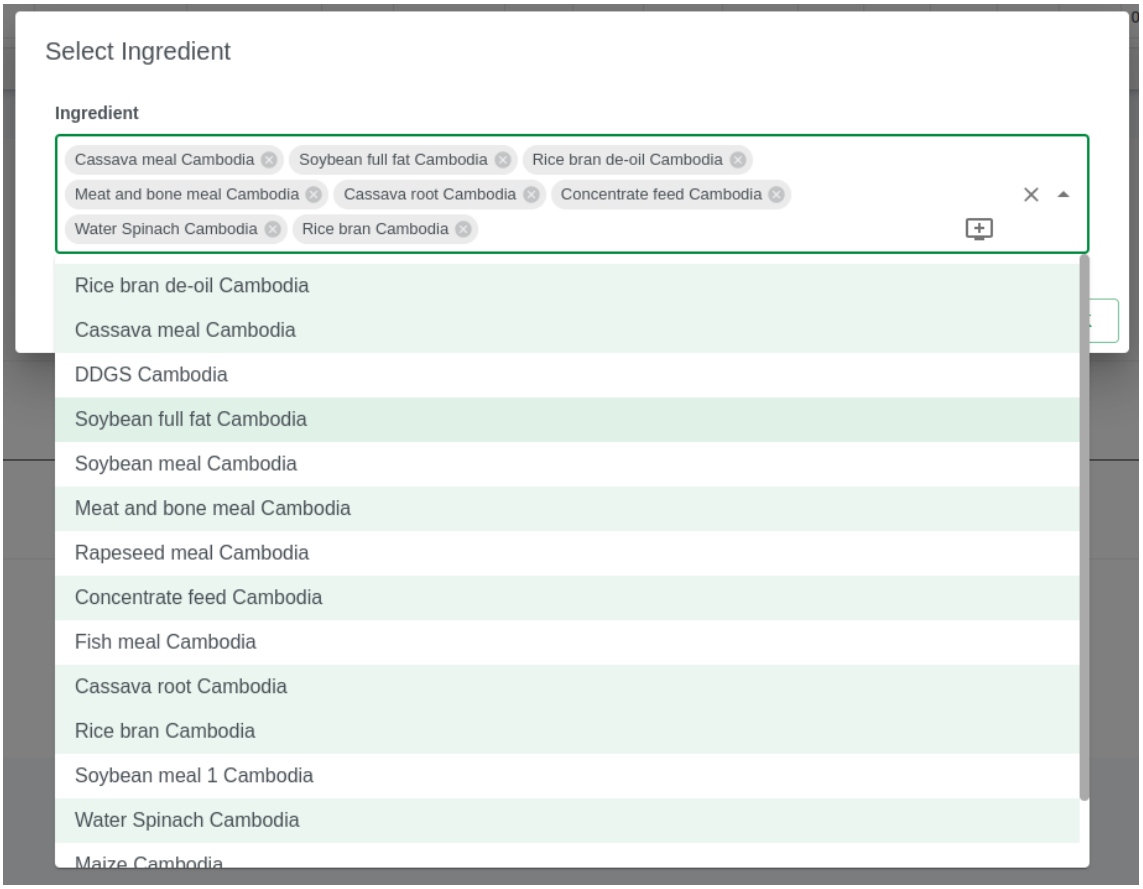


Figure 11: Select multiple ingredients

11 Unit

11.1 View Unit List

1. Click on "Unit"

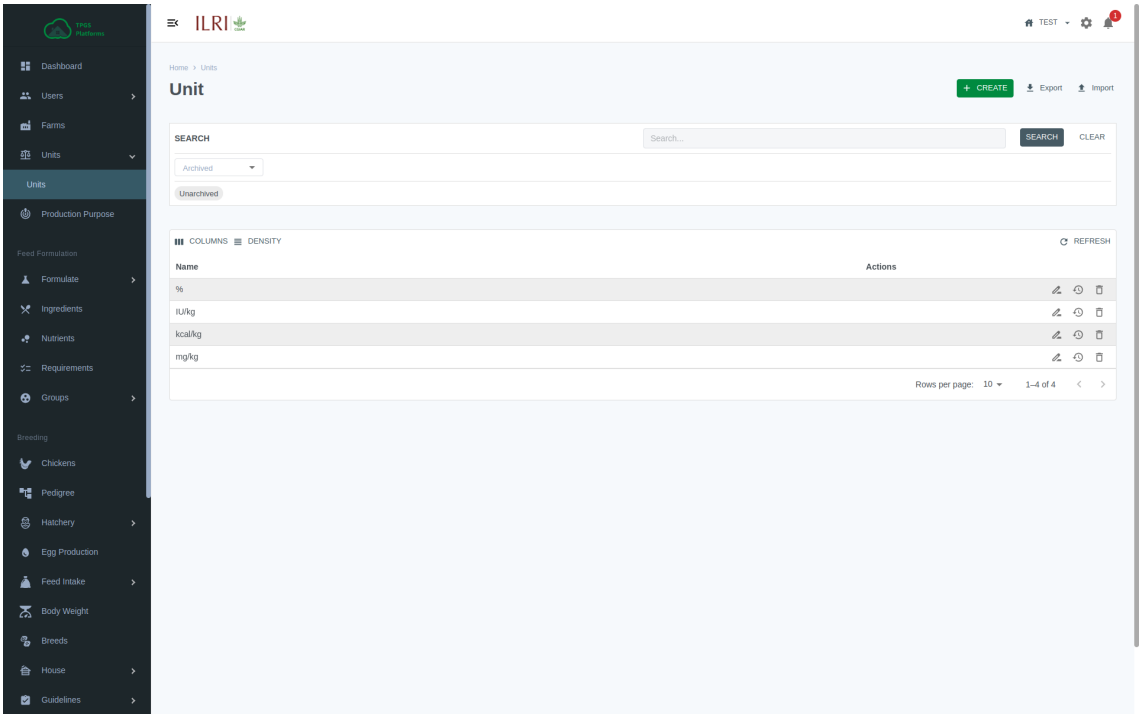


Figure 12: Unit List

11.2 Archive Records

1. On filter section filter the records by archive.

11.3 Create new Unit

1. To create new unit click on "Create" Refer Figure 12 And click "CREATE", you will be redirect to Section 11.1

11.4 Edit Unit

1. Go to the UnitRefer to Section 11.1, then click on Pencil icon and it will redirect to the Figure 15.

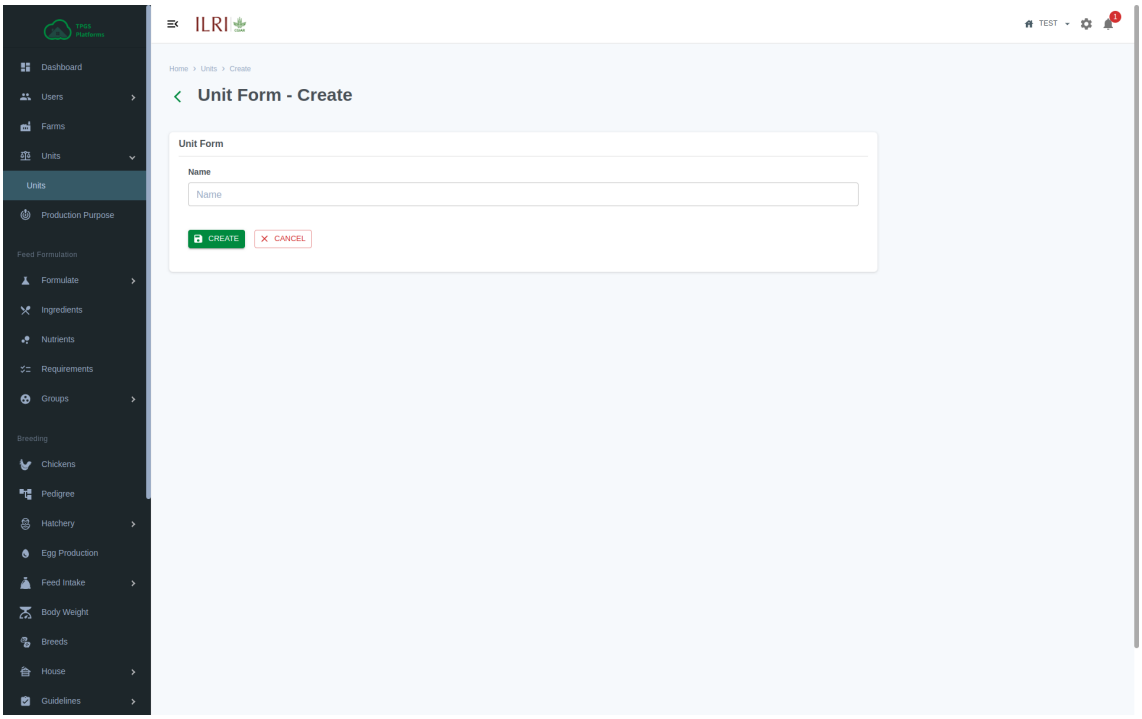


Figure 13: Create new Nutrient Group

11.5 Delete Unit

1. Go to the edit Unit Refer to Section 11.4.

1. To archive the record click on "Archive". If you want to bring back the record/unarchive follow the step under Section 11.2, and click on "UnArchive"

1. To permanently delete the record click on "Delete".

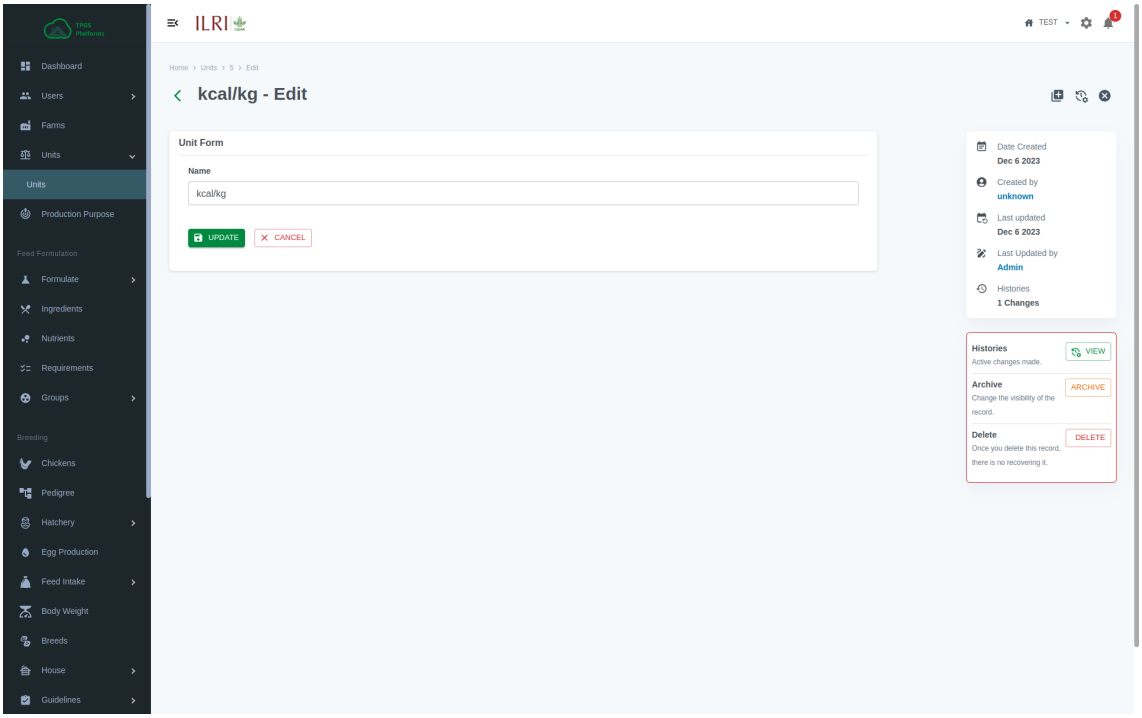


Figure 14: Edit Unit

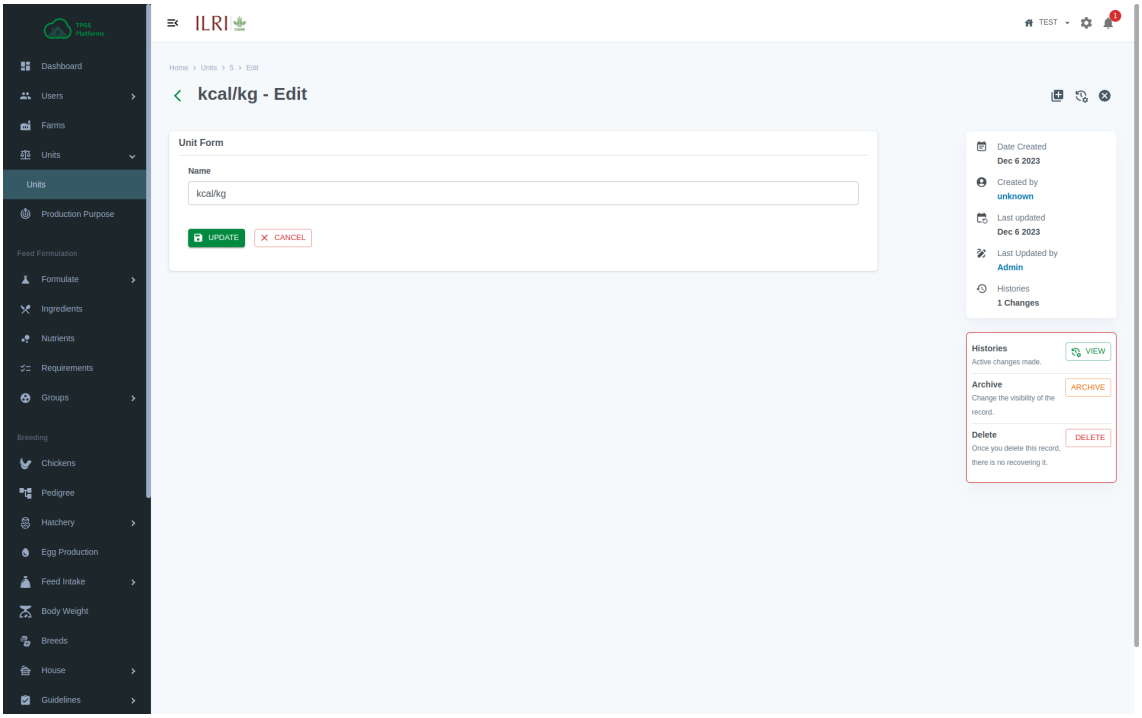


Figure 15: Edit Unit

12 Nutrient Groups

12.1 View Nutrient Group List

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

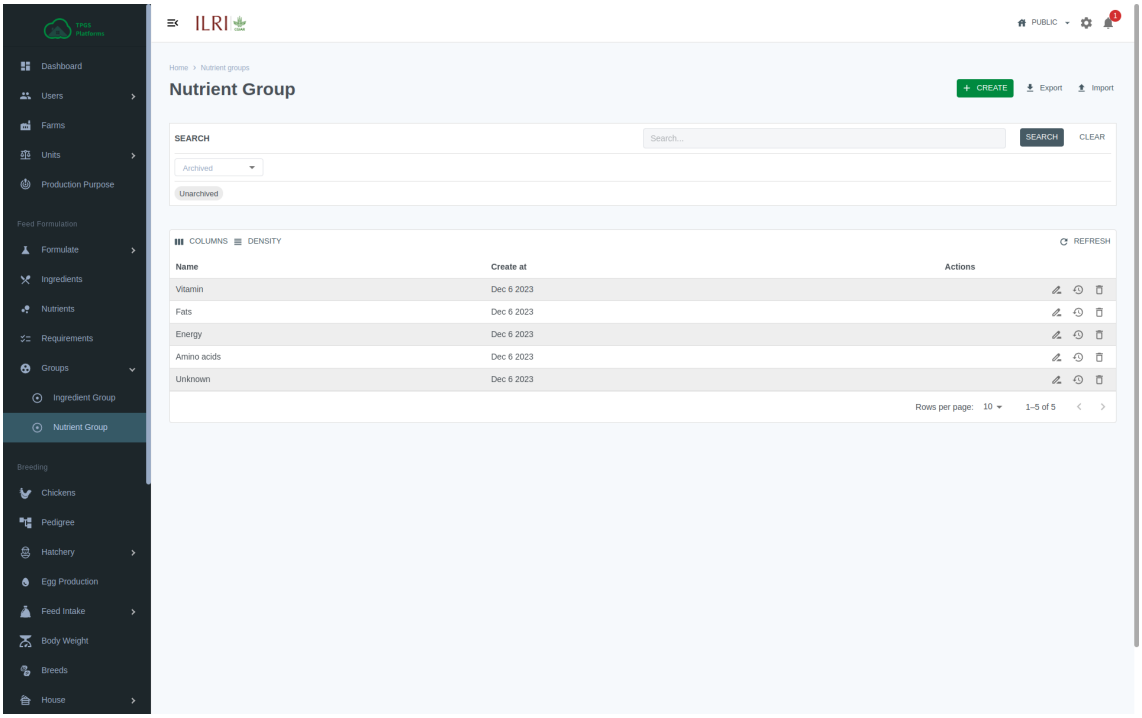


Figure 16: Nutrient Group List

12.2 Archive Records

1. On filter section filter the records by archive.

12.3 Create new Nutrient Group

1. To create new nutrient group click on "Create" Refer from nutrient list Figure 16 And click "CREATE", you will be redirect to Nutrient List section 12.1

12.4 Edit Nutrient Group

1. Go to the Nutrient Group Refer to Section 12.1, then click on Pencil icon and it will redirect to the Figure 19.

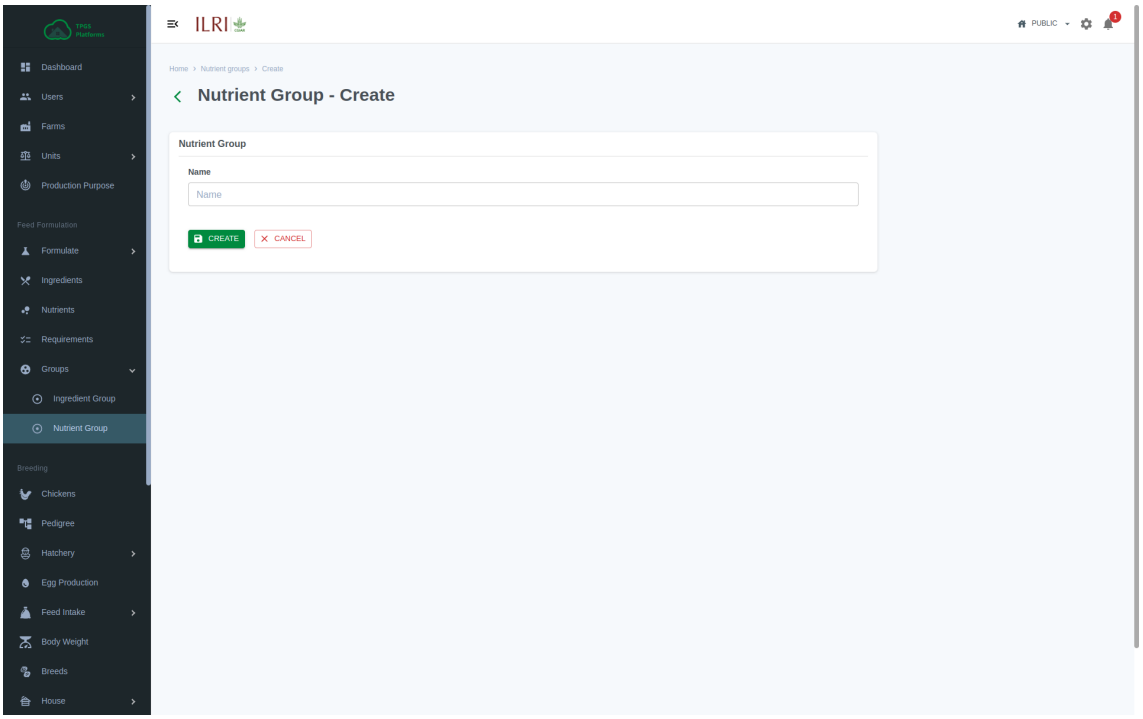


Figure 17: Create new Nutrient Group

12.5 Delete Nutrient Group

1. Go to the edit Nutrient Group Refer to Section 12.4.

1. To archive the record click on "Archive". If you want to bring back the record/unarchive follow the step under Section 12.2, and click on "UnArchive"

1. To permanently delete the record click on "Delete".

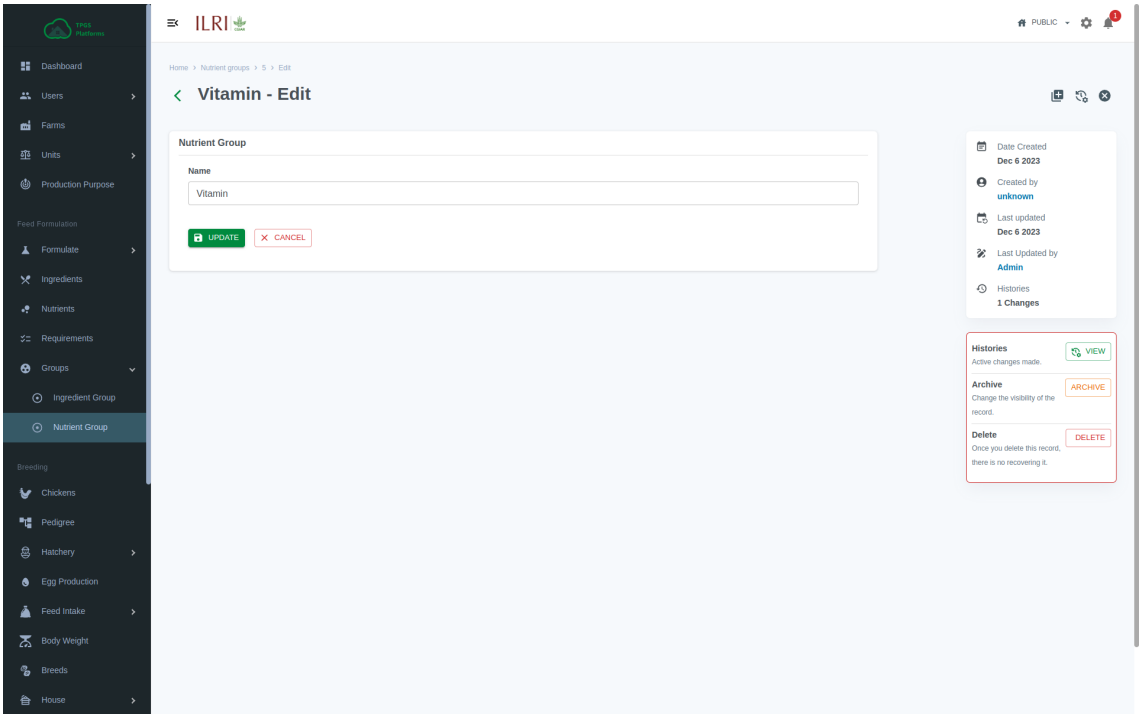


Figure 18: Edit Nutrient Group

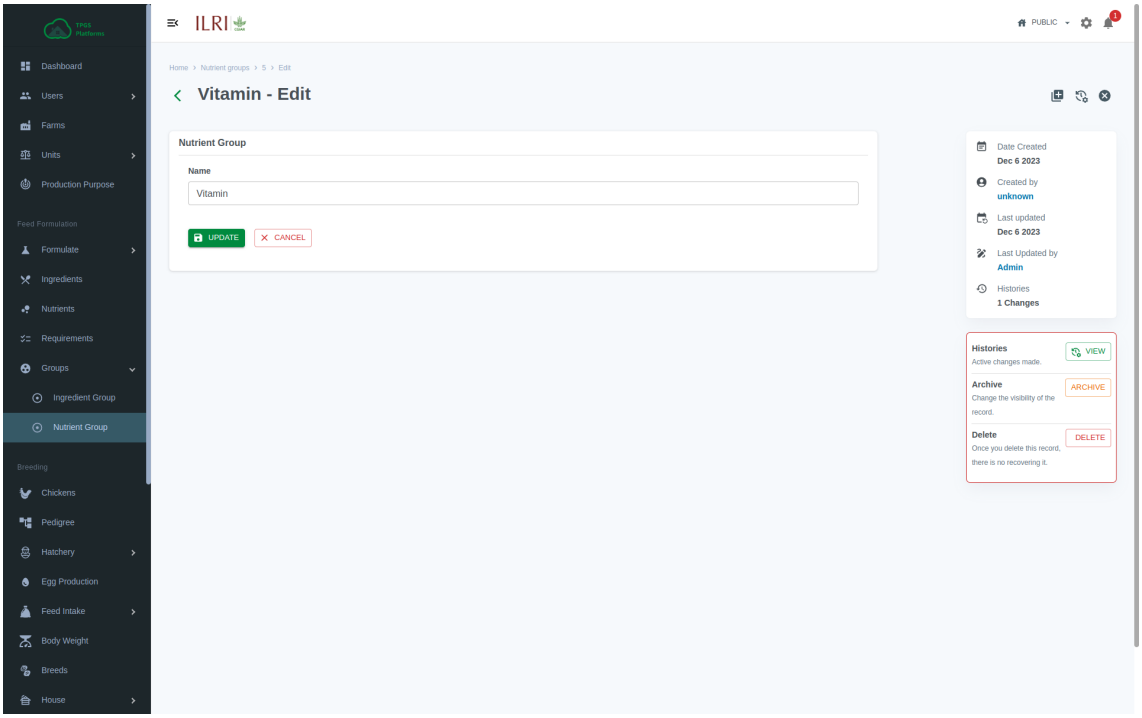


Figure 19: Edit Nutrient Group

13 Nutrient

13.1 View Nutrient List

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

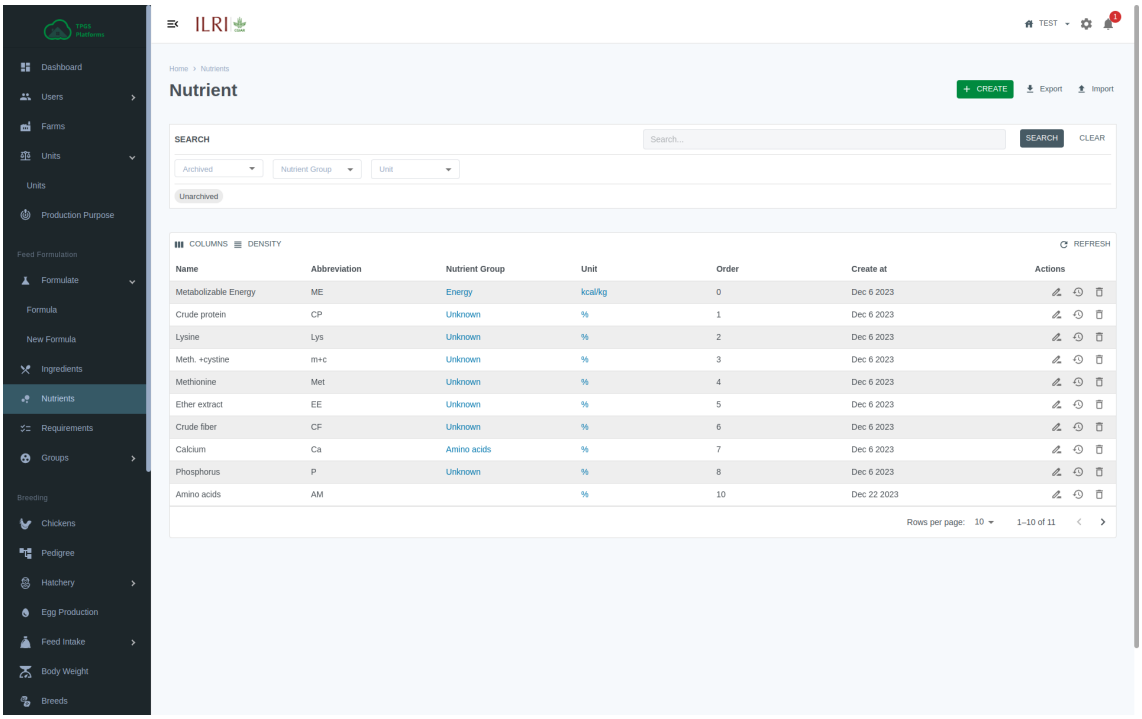


Figure 20: Nutrient List

13.2 Archive Records

1. On filter section filter the records by archive.

13.3 Create new Nutrient

1. To create new nutrient group click on "Create" Refer from nutrient list Figure 20 And click "CREATE", you will be redirect to Nutrient List section 13.1

13.4 Edit Nutrient

1. Go to the Nutrient Refer to Section 13.1, then click on Pencil icon and it will redirect to the Figure 23.

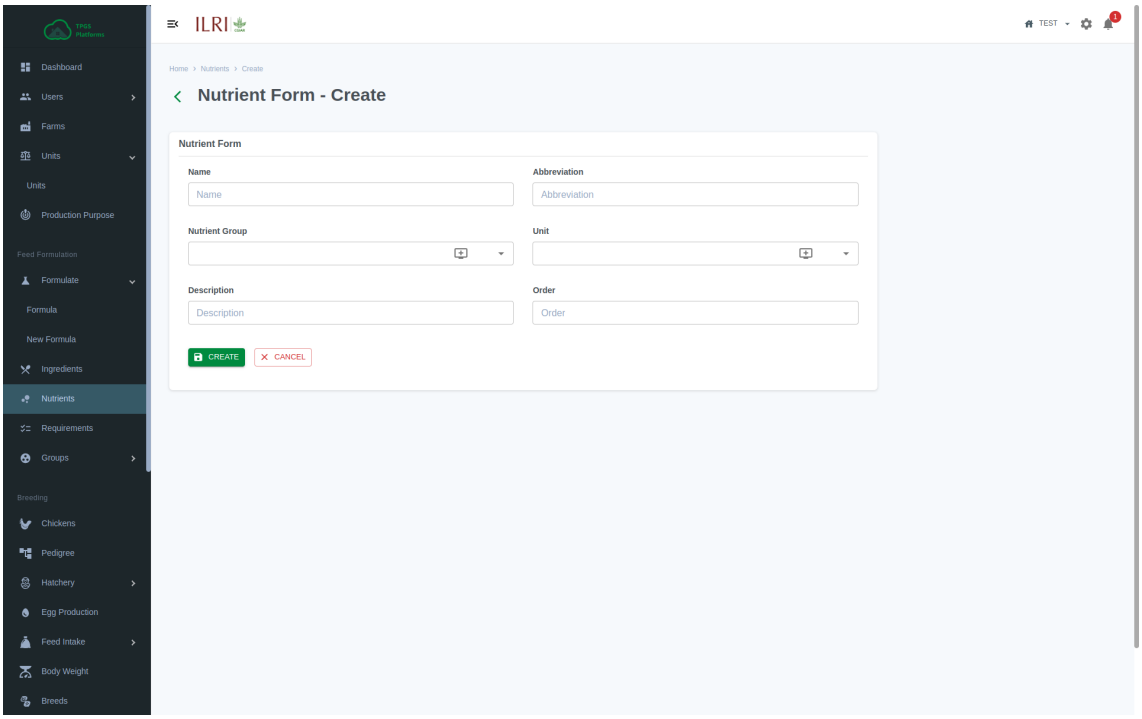


Figure 21: Create new Nutrient

13.5 Delete Nutrient

1. Go to the edit Nutrient Refer to Section 13.4.

1. To archive the record click on "Archive". If you want to bring back the record/unarchive follow the step under Section 13.2, and click on "UnArchive"

1. To permanently delete the record click on "Delete".

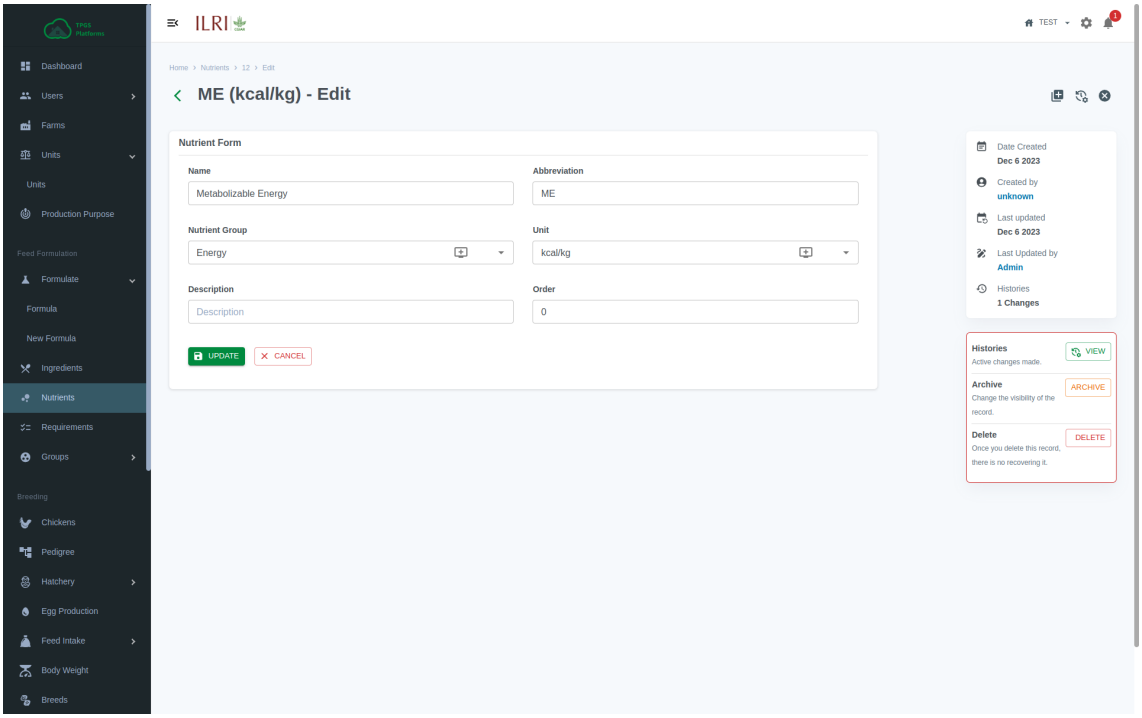


Figure 22: Edit Nutrient

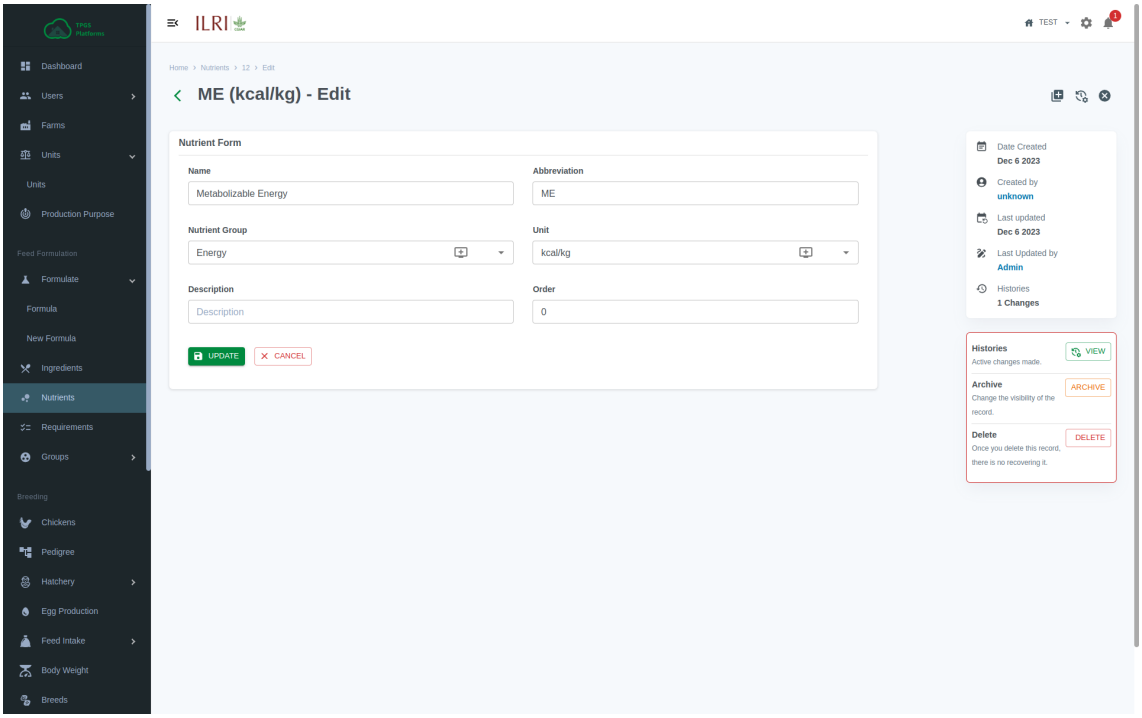


Figure 23: Edit Nutrient

14 Contact Info

For further information contact W.Esatu@cgiar.org

15 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.