# KAPOFF

# TECHNICAL USER MANUAL(DRAFT)

# KALRO POULTRY FEED FORMULATOR







## Summary

This quide is for KAPOFF's Technical user who has an administrative role and right to access the server using an embedded application, in order to add, edit and update information in the system database

## Table of Contents

Cover page	1
Summary	2
Table of content	
Launching the application	4
Loading	4
Login	5
Dashboard	5
Dashboard utilities	6
Items	6
Items	7
Items	
Item Type	9
Categories	9
Counties	9
Sub Counties	
Ward	11
Ingredient	11
New ingredient	11
Ingredient details	
Diet	11
New diet	
Diet details	
Requests	13
Not recommended diet	
Recommended diet	14
Administration	14
User details	15
Privileges	
Ponorts	16
Reports	10
перого	1/

## 1.0 Launching the application

Click on KAPOFF to launch the application on the computer.



Figure 1: windows application menu

## 1.1 Loading

The application loads to 100% as it launches.

KALRO Polt Feed Formulator(KABOFF)		
	License To KALRO KAKAMEGA NON-RUMINANT RESEARCH INSTITUTE KALRO POLT FEED FORMULATOR KAROFE Pattors: VILOSON 57 AND ABOVE License To KALRO KAKAMEGA NON-RUMINANT RESEARCH INSTITUTE	
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Figure 2: application splash screen

## 1.2 Login

After the application has launched, the user logs in using their username and password

KALRO Polt Feed Formulator(KAPOFF)		
	KALRO KAKAMEGA NON-RUMINANT RESEARCH INSTITUTE	
	P.O BOX 169-50100 KAKAMEGA	
	KAPOFF	
	KALRO POLT FEED FORMULATOR	
	LOGIN User Name: Password: OK QUIT	
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Figure 3: application login interface

lities	Ingredients	Diete	Requests	Services	Administration	Reports	Logout	Help	
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								WELCOME TO KAPOEE	
						<u>.</u>		THEODINE TO THE OTT	
								KALRO POULTRY FEED FORMULATOR	

## 1.3 The dashboard is loaded after a successful login

Figure 4: dashboard

## 2.0 Dashboard utilities



Figure 5: utilities

#### 2.1 Items

#### This refers to the specific animals of interest in KAPOFF application

#### a) New Item

Click on New item, Enter Item ID, Item Name and Select Status to be active. Click save record.

KALRO Pol	t Feed Formulat	or - [Item]							Constant Constant and Constant of Constant	
🖳 Utilities	Ingredients	Diets F	Requests ?	Services	Administration	Reports	Logout	Help		_ 8 ×
	ingreatents	Diels	vequesis -	te	en	ITEM ID ITEM N.	t: AME:		PIGS PIGGY	
Status					SAVE RECOR	RD	S: RESE	T	NEW EDIT FIND DELETE QUIT	0 44 m 317 PM

Figure 6: livestock window

#### b) Edit Records

Click on Edit, Select the Item ID, Make changes and click on SAVE RECORD.

KALRO	D Polt Feed	d Formulato	r - [Item]									_			-						C -	x
💀 Util	ities Ing	gredients	<u>D</u> iets	Requests	Services	Administration	Reports	Logout	Help	_									 		- 1	5 ×
	S	ave	ree		Services d	Administration	ITEM ID ITEM ID ITEM IV STATU:	: AME: S:	Help P P P P P	103 JAIRY CO YIG YOULTRY 7 1 1	w		EDIT	FIN	0	Delete	QL	п				<del>7</del> ×
Status	â			3				0											<u>~ 07 (</u>	» .att <b>1%</b>	3:19 PN	4

Figure 7: livestock edit window

#### c) Search Records

Click on Find, Enter Search value, Select Criteria and Click Search. To edit or delete a record displayed, double click the record.

KALRO Polt Feed Formulator - [Item]	
😹 Utilities Ingredients Diets Requests Services Administration Reports Logout Help	_ 8 ×
SEARCH VALUE: A SEARCH CRITERIA: Clic SEARCH CRITERIA: SEARCH CRITERIA: Clic SEARCH CRITERIA: SEARCH CRITERIA: SEARCH CRITERIA: Clic SEARCH CRITERIA: SEARCH CR	k d
	▲ 🧊 🕪 🔐 📴 1/20/2011
	1/20/2021

Figure 8: search

## d) Results

S KALRO	Polt Feed Fo	rmulator - [I	tem]					_	-	-						
🛃 Utiliti	ies Ingred	ients <u>D</u> iet	s Requests	Services	Administration	Reports	Logout	Help							- 6	×
	es [hgred	<u>ents</u> <u>D</u> et	i Requests	Services	em	Reports	m ID JRY COW 3 55 55 RESE	Help Item Name DAIRY COW PIG PIG PIG PIG PIG PIG PIG PIG PIG ST	Statut 0 1 1	•	END	Results display the sea	from rch		- 6	×
Status		-				(Wi			_	_	_		_	. (*	3:21 PM	
	69						9					1. S. C.		- <b>-</b>	1/20/2021	

Figure 9 : displayed results

#### e) Delete Record

After searching or selecting Item ID, Click DELETE and confirm the action.

9	ALRO Polt	Feed Formulat	tor - [Iter	n]					-	
	Utilities	Ingredients	Diets	Requests	Services	Administration	Reports	Logout	Help	_ # ×
					- to	em				
							ITEM ID			PIGS •
							ITEM N/	AME:		PIGGY
									G	contech International Limited
							STATU	5:		
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Stat	IS									
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	/ (			<hr/>				9		1/20/2021

Figure 10: delete record

## 2.2 Item Type

This refers to the livestock type of the item

KALRO Polt Feed Formulator - [Type]	
🔐 Utilities Ingredients Diets Requests Services Administration Reports Logout Help	_ # ×
tem Type	
TYPE ID: CEXTERIFICACE · · · · · · · · · · · · · · · · · · ·	
SAVE RECORD RESET NEW EDIT FIND DELETE QUIT	
Status	
	▲ 🛱 🕪 all 📴 3:10 PM 1/20/2021

Figure 11: livestock type

#### 2.3 Categories

This refers to the growth stage of the item type. Click on category ID to add, or edit category.

S KALRO Polt F	eed Formulator	r - [Category]					The second division of the second sec	
🖳 Utilities	Ingredients	Diets Requests	Services	Administration	Reports	Logout	Help	_ <del>.</del>
							Click category ID to add or edit category	
	Save	record		slegory	CATEGO CATEGO ITEM ID STATUS	DRY ID: DRY NAN : 3:	Verrey Starter (Doc Solids) E: Kenyej Starter (Doc Solids) POULTRY V	
				SAVE RECO	RD	RESE	T NEW EDIT FIND DELETE QUIT Click new to add new category	
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Figure 12: livestock categories

#### 2.4 Counties

This enables the technical user to add or remove counties of the end user of KAPOFF

Click on utilities then county

🚯 KALR	O Polt F	Feed Formula	tor - [Co	unty]						Convert Constitution and	
💀 Uti	lities	Ingredients	Diets	Requests	Services	Administration	Reports	Logout	Help		_ # ×
					- Ca	unty					
							COUNT	Y CODE:		Bungoma	
							COUNT	Y NAME:		Bungoma	
							DESCR	DTION		N/A	
							DESCR	F HON.		N/A	
							STATU	S:		V	
										· · · · · · · · · · · · · · · · · · ·	
						SAVE RECO	RD	RESE	Т	NEW EDIT FIND DELETE QUIT	
Status	-	0 0	-		A			10			242.00
	- 6	9 📄			<u>)</u> (			9		and the second s	▲ 🐺 ♦> all 😼 1/20/2021

Figure 13: counties

#### 2.5 Sub Counties

This enables the technical user to add or remove sub counties of the end user of KAPOFF Click on utilities then sub county

S KALRO Polt Feed Formulator - [Sub County]	
😹 Utilities Ingredients Diets Requests Services Administration Reports Logout Help	_ 8 ×
Sub-County	
SUB COUNTY CODE: Umits	
DESCRIPTION: N/A	
COUNTY CODE: Kakamega 🗸	
SAVE RECORD RESET New EDIT FIND DELETE QUIT	
Status	
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Figure 14: sub counties

#### 2.6 Ward

This enables the technical user to add or remove the Ward of the end user of KAPOFF. Click on utilities then Ward

& KALRO Polt Feed formulator - [Ward]	
😸 Utilities Ingredients Diets Requests Services Administration Reports Logout Help	_ & ×
Utilities Ingredients Diets Requests Services Administration Reports Logout Help           Ward         Ward           WARD CODE:         Ward           DESCRIPTION:         N/A	- # x
SUB COUNTY CODE: Mogato	
SAVE RECORD RESET NEW EDIT FIND DELETE QUIT	
Satul 🚱 🖉 🗒 🔍 🥠 🕐 🔍 🕮 🚳	▲ 💱 🐠 ant 📭 3:15 PM 1/20/2021

Figure 15: ward

## 3.0 Ingredient

Click ingredients to add, edit, search or delete ingredient(s) in the database.

#### **3.1 New Ingredient**

The user keys in information about the new ingredient

KALRO Polt Feed Formulator - [Ingredient]	
🐖 Utilities Ingredients Diets Requests Services Administration Reports Logout Help	_ 8 ×
Click ingredients	Key in the ingredients details
Ingredent Details	
INGREDIENT ID-1 NAME: CATEGORY: ITEM ID: MIN: SAVE RECORD RESET NEW E	COST/KG:     P(%):       Ca(%):     P(%):       ME(Meal/Kg):     CP(%):       CF(%):     MetCys(%):       Lsy(%):     Typ(%):       Thre(%):     STATUS:
	221.04
	▲ 🔐 🕪ii 📭 3:31 PM 1/20/2021

Figure 16: new ingredient

#### **3.2 Ingredient Details**

This shows the detailed information about the ingredient

Ingredient Details								
		-						
	-	AND NO.		COST/KG:	0			
		A CONTRACTOR		Ca(%):	4.44	P(%):	2.78	
		ROWSE		ME(Mcal/Kg	2.55	CP(%):	57	
INGREDIENT ID	D: Fish meal (Red)	NONSE	-	CF(%):	1	Met-Cys(%	6): 2.2	
NAME:	Fish meal (Red)			Lsy(%):	6.6	Tryp(%):	0.6	
CATEGORY:	Animals			Thre( %).	2.6			
ITEM ID:	POULTRY		*	STATUS:	7			
MIN:	0	MAX: 100						
SAVE RECORD	DECE	T NEW				DELETE	OUT	
SAVE RECORD	RESE	I NEW				DELETE		

Figure 17: ingredient details

## 4.0 Diet

This enables the user to add, edit, search or delete a diet in the database based on thorough research and findings about that particular diet

#### 4.1 New Diet

Click on diet then key in the information about the new diet and save the record

(S) KALRO Polt Feed Formulator - [Diet]	and because the	and the second se	
Utilities Ingredients Diets Requests Services	Administration Reports Logout Help		_ @ ×
Click Diet, newand key in its details	DIET ID: DIET ID: DIET ID: DIET NAME: TYPE ID: CATEGORY ID: ACTUAL MINIMUM MAXIMUM Ca(%): P(%): ME(Mcal/Kg): SAVE RECORD RESET NEW	ACTUAL       MINIMUM       MAXIMUM         CP(%):       Image: CP(%):       Image: CP(%):         MetCys(%):       Image: CP(%):       Image: CP(%):         Lsg(%):       Image: CP(%):       Image: CP(%):         Lsg(%):       Image: CP(%):       Image: CP(%):         Status:       Image: CP(%):       Image: CP(%):         EDIT       FIND       DELETE       QUIT	
Status			
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Figure 18: new diet

#### 4.2 Diet Details

This shows detailed information about a diet

KALRO Polt Feed Formulator - [Diet]				International Property lies:	of the local division in which the					11. 11 I
Utilities Ingredients Diets Requests Services	Administration R	eports Lo	ogout Help							
	Diet Details									
	DIET ID:	DITOOOT			-	ACTUAL	MINIMUM	MAXIMUM		
	DIET NAME:	Layer Start	er Mash		CP(%):	19	19	20		
	TYPE ID:	LAYERS			CF(%):	3	3	5		
	CATEGORY ID:	Layer Chic	ks (Doc-8wks)		Met-Cys(	6): 0.3	0.3	0.5		
Click save record,		ACTUAL	MINIMUM	MAXIMUM	Lsy(%):	0.8	0.8	1.2		
to cove the new	Ca(%):	1	1	1.1	Tryp(%);	0	0	100		
to save the new.	P(%):	0.53	0.53	0.57	Thre(%)	0	0	100		
	ME(Mcal/Ko)	27	2.7	2.9						
	wie(wical/kg).	2.7		1.000	STATUS	V				
	SAVE RECORD		RESET	NEW	EDIT	FIND	DELETE	QUIT		
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Figure 19: diet details

#### 5.0 Requests

This is a functionality that allows the admin to check the requests of formulation that have been made with the aim of validating and checking for quality.

#### 5.1 Non-Recommended Formulation

This shows the levels of nutritional contents of a non-recommended diet



Figure 20: a non-recommended formulation

**5.2 Recommended Formulation** This shows the levels of nutritional contents of a recommended diet

LRO Polt	Feed Formula	stor - [Re	quest]						-	-	-		-				_ 0
Utilities	Ingredients	<u>D</u> iets	Requests	Services	Administration	Reports	Logout	Help									
				Request	Detaile												
				Tiequest	, porque					_						7	
				RE	FERENCE ID:	260				•		DIET	MINIMUM	MAXIMUM	COMMENT		
				DI	ET ID:	DIT0002	2				ME(Mcal/Kg):	2.6	2.6	2.8	GOOD		
				DI	ET NAME:	Layer G	irower Ma	sh			CP(%):	15	15	17	GOOD		
				TY	PE ID:	LAYER	s				CF(%):	4	4	5	GOOD		
				CA	TEGORY ID:	Layer G	rowers (9-	18wks)			Ca(%):	0.41	1.3	3	LOW		
				Q	UANTITY:	50	UNIT	COST:	56.35		P(%):	0.37	0.43	0.47	LOW		
											Met-Cys(%):	0.53	0.26	0.3	HIGH		
				co	OMMENT:	Unchecked				•	Lsy(%):	0.78	0.4	0.8	GOOD		
											Tryp(%):	0.13	0	100	GOOD		
					DIET RECOMME	ENDED (CL	ICK HERE	FOR DET	TAILS)		Thre(%):	0	0	100	GOOD		
					SAVE RECORD	B	ESET					EIN		DELETE	QUIT		
			-			(Internet	(36)										3:41

Figure 21: a recommended formulation

## 6.0 Administration

This is a functionality that enables management of credits, users and privileges.

#### 6.1 User Details

(b) KALRO Polt Feed Formulator - [User]	and the second s	Strength Strength		
💀 Utilities Ingredients Diets Requests Services Administrat	ion Reports Logout Help			_ 8 ×
Click on				
Administration				
- User Details				
USER ID:	USI/0001	COUNTY: Bun	ngoma 👻	
SURNAM	E: Ngetich	SUB COUNTY: Kan	nduyi 👻	
MIDDLE	IAME: K.	WARD: Tow	wnship 🔹	
FIRST NA	ME: Jackson	PRIVILEDGES: Clerk	rk 🔹	
PHONE N	HO: +254726383112	USERNAME: Jack	*	
EMAIL AD	DRESS: ingetichwork@gmail.com	PASSWORD:		
POSTAL	ADDRESS: 1699-50200 Bungoma	CONFIRM PASSWORD:		
STATUS				
SAVE	ECORD RESET	PIND		
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		1 (A)		1/20/2021

Figure 22: user details

#### 6.2 Privileges

S KALRO Po	olt Feed Formula	tor - [Prin	viledges]						and in case of the local division of the loc		
🛃 Utilitie:	Ingredients	Diets	Requests	Services	Administration	Reports	Logout	Help			_ # ×
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							USER ID USER N Priviledge Insei	l: AME: ≋ t Record	USI-0001 Rightch K. Jackson Edit Record 😨 Delete Record 😨 Find Record 📳 Vew Reports		
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Figure 23: privileges

#### 7.0 Reports

This is a functionality that is accessed by selecting Report menu. It presents all kinds of reports a system provides. The general procedure for generating reports include:-

i. Select the type of report

For example, Select Ingredient Reports

S KALRO Polt Feed Formulator - [Report]	And and a second s	
■ KALED Polf Feed Forewister_Begort] Utilities pagredients Diets Requests	Services Administration Reports Logout Help KAPOFF REPORTS Choose an Option URISEs Reports Publices Reports Publice	- 0 x
Status		
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Figure 24: report types

## ii. Input Search Value

Input search value, in this case Fish

ALRO Polt Feed Formulator - [Report]		in the local division of the local divisiono	
😸 Utilities Ingredients Diets Requests	Services Administration Reports Logout	Нер	- # ×
	Cheese an Online	KAPOFF REPORTS	
	Under Ropots ⊖ User Ropots ⊖ Angedenta Ropots ⊕ De Ropots ⊕ De Ropots ⊕ Ropots ⊕ Administraton Repots	SEARCH VALUE: Fish SEARCH CRITERIA: AI	
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Figure 25: search value

#### iii. Select Criteria

Select Criteria in this case ingredient ID, then click search.

S KALRO Polt Feed Formulator - [Report]		The Local Division in which the local Division in which the local Division in the local	
<u>₩</u> Uhilties  ngredients <u>Diets</u> Requests	Choose an Option Choose an Option Ultiter Reports Ultiter Reports Durphderst Reports Durphderst Reports Durphderst Reports Reports Reports Reports Reports	KAPOFF REPORTS	- # ×
	RESET	gur	
Status 🧟 🚝 🖸 🕊	) 0 0 🔯 🚳	COM 14 CC	▲ 🔐 🕪 .all 隆 3:48 PM 1/20/2021

Figure 26: selecting search criteria

#### iv. Output report.

After a report of ingredients with fish as their ingredient ID will be generated.



Figure 27: report output