



# SMART KUNGAHARA SYSTEM (SKS)

Training material for  
coffee washing station managers



**TECHOUSE**  
POWERING INNOVATION



# **SKS access links**

For Web access :

URL : <https://smartkungahara.rw/>

Login with CWS manager's Username and Password

For Android APP access :

Search SKS coffee on  GOOGLE PLAY store and install

Login with CWS manager' username and password

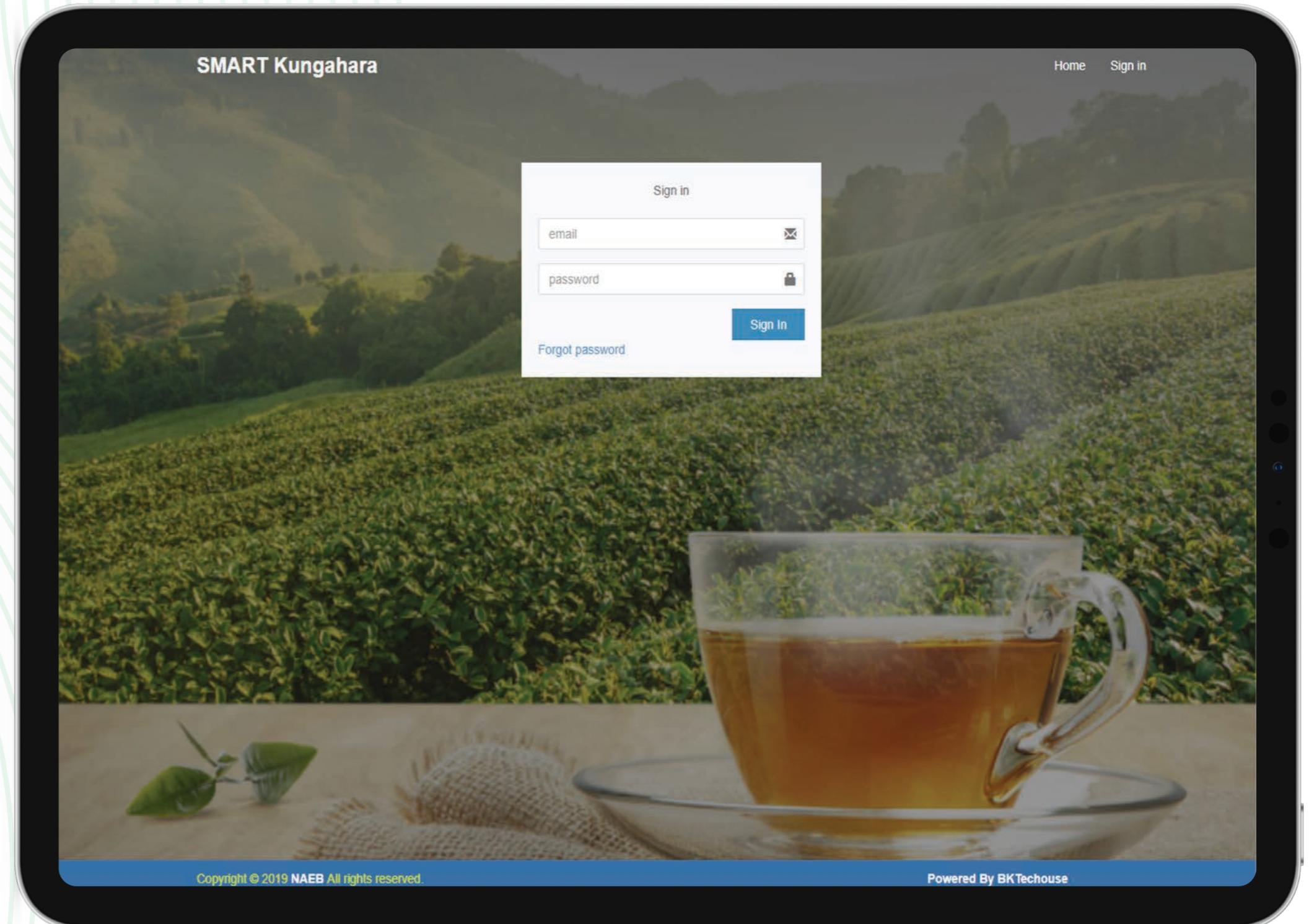


# **Cherry supply process on web**

# Login

1 Go to  
[www.smartkungahara.rw](http://www.smartkungahara.rw)  
a web page is opened

Click to “Sign-in ” and  
input your credentials :  
“E-mail” and “Password”



# View Farmer list

Click on farmers and view farmer list

Click on Temporary farmer and view pending farmers for approval

Export all farmers

The image shows a screenshot of the SMART Kungahara application interface. The top navigation bar includes 'Season 20A' and 'Rukundo'. On the left, a sidebar menu lists 'REGISTRATION', 'WET PROCESSING', 'FARMERS' (selected), 'SUPPLIERS', 'PARCHMENTS', 'PAYMENTS', 'SITE', 'INPUT DISTRIBUTION', 'GENERAL', 'SETTINGS', and 'SIGN OUT'. The main content area displays a summary of production data: 86,121 TREES, 198 FARMERS, 2,011 kg RECEIVED CHERRIES (from 5 Suppliers), 2,729 kg PRODUCED PARCHMENTS, and 402.2 kg EXPECTED PARCHMENTS. A completion percentage of 678.5% is shown. Below this, a table lists individual farmers with columns for First name, Last name, National ID, Phone number, Reg number, and actions (Supply, Edit). The table contains 10 rows of data.

First name	Last name	National ID	Phone number	Reg number	Action
YAKOBO	BAMENYIYABO	1195180018508049	250788836368	BB57892	Supply Edit
XXX	NSABIMANA	1195680035091074	250788836369	BB58002	Supply Edit
XXX	MUKANDUTIYE	1194870018189059		BB57945	Supply Edit
XXX	MANIRAFASHA	1196170035416088		BB57888	Supply Edit
XXX	BUCYENDUHE	1194980018034084		BB57881	Supply Edit
VENANT	NDAZIHAKIWE	1195680035102058		BB57895	Supply Edit
THARCISSÉ	NTAKAZARIMARA	1196280050061058		BB57901	Supply Edit
					Supply Edit
					Supply Edit

# Create a New farmer

Click on New Farmer

Input farmer NID (SKS validates the first name, last name and gender)

Type:  
Type  
Phone number  
Land information

The image shows a mobile application interface for 'SMART Kungahara'. The top navigation bar includes 'Season 20A' and 'Rukundo'. The left sidebar menu has sections: REGISTRATION (Organisations), WET PROCESSING (Farmers, Parchments, Payments), SITE (Distribute, Manage store), INPUT DISTRIBUTION (Progress report), and GENERAL (Settings, Sign out). The main content area is titled 'Create farmer'. It contains fields for 'NID \*' (highlighted with an orange border), 'First name \*' (text input field), 'Last name \*' (text input field), 'Gender \*' (radio buttons for Male and Female, with Male selected), 'Phone number' (text input field), 'Type \*' (radio buttons for Individual and Group, with Individual selected), and a 'Land \*' section (highlighted with an orange border) which includes 'Number of trees' (text input field), Province (dropdown: NORTHERN), District (dropdown: Gakenke), Sector (dropdown), Cell (dropdown), village (dropdown), and a 'Remove' button. At the bottom right are 'Save' and 'Cancel' buttons.

# Create site collectors (1/2)

► select organizations ► click on users ► click on new user

The screenshots illustrate the steps to create site collectors:

- select organizations**: The first screenshot shows the 'Organisations' page. The 'Organisations' tab in the sidebar is highlighted with an orange box. The main table lists two entries: ABAHUZAMUGAMBI and Abakangukiyekawa CWS.
- click on users**: The second screenshot shows the 'Users' page for the site 'Nkara/Dukundekawa II'. The 'Users' tab in the sidebar is highlighted with an orange box. The main table lists seven users: BRIAN, BUDONI, COLLECTOR, ERNEST, INPUT, JOSEPH, and PAUL.
- click on new user**: This step is indicated by the orange arrow pointing to the '+ New user' button in the top right corner of the 'Users' page screenshot.

**Top Screenshot: Organisations Page**

Name	Email	Phone number	Actions
ABAHUZAMUGAMBI		250788525628	<span>Farmers</span> <span>Pending farmers</span> <span>Users</span> <span>Edit</span>
Abakangukiyekawa CWS		250788546137	<span>Farmers</span> <span>Pending farmers</span> <span>Users</span> <span>Edit</span>

**Bottom Screenshot: Users Page**

First name	Last name	Email	Phone number	Reg number	NID	Gender	Actions
BRIAN	KAREMERA		250784419710	bl60423		M	<span>Edit</span> <span>...</span>
BUDONI	ALAIN	budoni@gmail.com	250788909089	bl60415		M	<span>Edit</span> <span>...</span>
COLLECTOR	COLLECTOR		250788836366	bl60312		M	<span>Edit</span> <span>...</span>
ERNEST	HATEGEKIMANA		250788307080	bl60329		M	<span>Edit</span> <span>...</span>
INPUT	DISTRIBUTOR	input@gmail.com	250788836361	bl60381		M	<span>Edit</span> <span>...</span>
JOSEPH	RUKUNDO	imagination081@gmail.com	250788836369	bl60157		M	<span>Edit</span> <span>...</span>
PAUL	YOHANI	myritinare5@gmail.com	250788305070	bl60331		F	<span>Edit</span> <span>...</span>

# Create site collectors (2/2)

## Input NID

( first name, last name and gender will auto generate )

## Select CWS as Roles

## Select coffee collector as user type

The image shows a screenshot of the SMART Kungahara web application interface. The left sidebar contains a navigation menu with several categories: REGISTRATION, WET PROCESSING, SITE, INPUT DISTRIBUTION, and GENERAL. Under the 'Organisations' section in the REGISTRATION category, the 'CWS' checkbox is selected and highlighted with an orange border. The main content area displays a form titled 'Nkara/Dukundekawa II >> Create user'. The form fields include: 'First name \*' (empty), 'Email \*' (empty), 'Gender \*' (radio buttons for Male and Female, both empty), 'User type \*' (dropdown menu highlighted with an orange border), 'Last name \*' (empty), 'Phone number \*' (empty), and 'Roles \*' (checkboxes for 'CWS' and 'INPUT\_DISTRIBUTOR', where 'CWS' is checked and highlighted with an orange border). At the bottom right of the form are 'Save' and 'Cancel' buttons.

# Pin reset

- ▶ select organizations
- ▶ select users
- ▶ click on users
- ▶ click on highlighted icons
- ▶ click on enable pin reset

The image shows the SMART Kungahara application interface. The top section displays the 'Organisations' page with two entries: 'ABAHUZAMUGAMBI' and 'Abakangukiye kawa CWS'. The bottom section displays the 'Users' page for the organization 'Nkara/Dukundekawa II' with seven entries. A large orange arrow points from the 'User profile' section at the bottom right towards the 'Edit' button in the user table. Another orange box highlights the 'Edit' button in the user table. A callout bubble labeled 'User profile' contains the user details: First name: BRIAN, Last name: KAREMERA, NID: bl60423, Phone number: 250784419710, REG number: bl60423. A green button labeled 'Enable pin reset' is also highlighted with an orange box.

SMART Kungahara

REGISTRATION

- Organisations
- Farmers
- Sites
- Distribution plan

INPUT DISTRIBUTION

- Name
- ABAHUZAMUGAMBI
- Abakangukiye kawa CWS

+ New organisation

Show 25 entries

Name Email Phone number Actions

Search:

SMART Kungahara

REGISTRATION

- Organisations
- Farmers
- Parchments
- Payments

WET PROCESSING

- First name Last name Email Phone number Reg number NID Gender Actions
- BRIAN KAREMERA 250784419710 bl60423 M Edit
- BUDONI ALAIN budoni@gmail.com 250788909089 bl60415 M Edit
- COLLECTOR COLLECTOR 250788836366 bl60312 M Edit
- ERNEST HATEGEKIMANA 250788307080 bl60329 M Edit
- INPUT DISTRIBUTOR input@gmail.com 250788836361 bl60381
- JOSEPH RUKUNDO imagination081@gmail.com 250788836369 bl60157
- PAUL YOHANI myritinare5@gmail.com 250788305070 bl60331

Show 10 entries

New user

Search:

User profile

First name: BRIAN  
Last name: KAREMERA  
NID: bl60423  
Phone number: 250784419710  
REG number: bl60423

Enable pin reset

# Record the cherry supply on the Web (1/2)

► Go to farmers , select supplying farmers

► Select farmer name and click on supply

The screenshot shows the SMART Kungahara web application interface. The left sidebar contains navigation links for REGISTRATION, WET PROCESSING, SITE, and GENERAL. Under WET PROCESSING, the 'Farmers' section is selected, with 'O Supplying farmers' highlighted. The main content area displays statistics for Nkara/Dukundekawa II suppliers: Total Cost (546,391 frw), Owed Amount (197,980 frw), Cherries (2,061 kg), Produced Parchments (13,129 kg), Completion (3,185.1%), and Expected Parchments (412.2 kg). Below this is a table of farmer records:

First name	Last name	National ID	Phone number	Reg number	Action
ABEL	MUNYAKAZI	1194480011747051		BB57889	<input type="button" value="Supply"/>
XXX	MUKANDUTIYE	1194870018189059		BB57945	<input type="button" value="Supply"/>
XXX	BUCYENDUHE	1194980018034084		BB57881	<input type="button" value="Supply"/>
BAHITURUBWA	ANASTASE	1195180018503014		BC83362	<input type="button" value="Supply"/>
YAKOBO	BAMENYIYABO	1195180018508049	250788836368	BB57892	<input type="button" value="Supply"/>
XXX	NSABIMANA	1195680035091074	250788836369	BB58002	<input type="button" value="Supply"/>
XXX	MANIRAFASHA	1196170035416088		BB57888	<input type="button" value="Supply"/>
THARCISSE	NTAKAZARIMARA	1196280050061058		BB57901	<input type="button" value="Supply"/>

At the bottom, there are links for First, Previous, Next, and Last.

# Record the cherry supply on the Web (2/2)



Select cherries type



Input cherries quantity



Input the unit price per KG  
and add to cart



Check the recorded  
supply in the bottom list

SMART Kungahara

REGISTRATION

Organisations

WET PROCESSING

Farmers

Parchments

Payments

SITE

Distribute

Manage store

INPUT DISTRIBUTION

Progress report

GENERAL

Settings

Sign out

Season 20A Rukundo

BB57892

Cherries type \* Standard

Cherries Qty (kg) \*

Unit price per Kg \*

Owed amount 0 Rwf Paid amount 0 Rwf pay

Show 25 entries

CherriesQty (kg)	Unit price	Delivery approval	Paid amount (rwf)	Recorded by	Payment status	Owed amount	Date
120	200	not approved	0	Joseph Rukundo	not paid	24000	
50	350	approved	0	Joseph Rukundo	not paid	17500	
15	200	approved	3000	Joseph Rukundo	full	0	
567	133	approved	75411	Joseph Rukundo	full	0	
100	280	approved	0	Joseph Rukundo	not paid	28000	
78	90	approved	0	Joseph Rukundo	not paid	7020	
125	200	approved	0	Joseph Rukundo	not paid	25000	

Showing 1 to 7 of 7 entries

First Previous 1 Next Last

Back

# Record parchment production

► Select parchment under Farmers menu

► Add record parchment

► Select the coffee type, grade, delivery date , production date , bag size (kg) , number of bags and save

SMART Kungahara    Season 20A    Rukundo

REGISTRATION

Organisations

WET PROCESSING

Farmers

Parchments

O Parchments

Transfer parchments

Transfer history

Payments

SITE

Distribute

Manage store

INPUT DISTRIBUTION

Progress report

Parchment

HONEY WASHED  
Grade A 124kg  
Grade B 0kg  
Grade C 0kg

FULL WASHED  
Grade A 10400kg  
Grade B 0kg  
Grade C 0kg

FULLY WASHED  
Grade A 2605kg  
Grade B 0kg  
Grade C 0kg

select ty    select gr    Produced 10/7/2020    Released 3/18/2021    from ... to ...    Search    Clear

Coffee type	Coffee grade	Qty	Lot number	Remaining Qty	Recorded
Full washed	A	200	210317/PFW/1015	200	Mar 17, 2021
Full washed	A	100	210317/PFW/1015	100	Mar 17, 2021

+ Record parchment

Record parchments

Coffee type \*    Grade \*    Delivery date \*    Production date \*

Bag size (kg) \*    Number of bags \*    0    Remove

+ Package

Lot kgs \*

0

Save    Cancel

The screenshot shows the SMART Kungahara software interface for managing parchment production. The main menu on the left includes sections for Registration, Wet Processing, Farmers, Parchments, Payments, Site, Distribute, Manage Store, Input Distribution, and Progress Report. The 'Parchments' section is currently active. A modal window titled 'Record parchments' is displayed, allowing users to input details for a new parchment entry. The modal fields include: Coffee type (set to 'Full washed'), Grade (set to 'A'), Delivery date (set to '3/18/2021'), Production date (set to '3/18/2021'), Bag size (kg) (empty field), Number of bags (empty field), and Lot kgs (empty field). There are also buttons for '+ Package' and 'Remove'. At the bottom of the modal are 'Save' and 'Cancel' buttons. The background shows a list of existing parchment entries with columns for Coffee type, Grade, Qty, Lot number, Remaining Qty, and Recorded date.

# Check the supply and production BI report (1/2)

- ▶ Select supplying farmers
- ▶ View status : All, fully paid, partial paid, unpaid, unapproved delivery, unapproved payment
- ▶ Click on ... to view the supplying record details
- ▶ Click on Export to generate a detailed report in excel format

Farmers

- Farmers
- Supplying farmers**
- Temporary farmers

Parchments

Payments

SITE

Distribute

Manage store

INPUT DISTRIBUTION

Progress report

GENERAL

Settings

Sign out

**546,391 frw**  
TOTAL COST

**197,980 frw**  
OWED AMOUNT

**2,061 kg**  
CHERRIES

**13,141 kg**  
PRODUCED PARCHMENTS

**3,188 %** Completion  
**412.2 kg**  
EXPECTED PARCHMENTS

Status

- All
- All
- Fully paid
- Partial paid
- Unpaid
- Unapproved delivery
- Unapproved payment

REG number: bb57892

Show 25 entries

CherriesQty (kg)	Unit price	Delivery approval	Paid amount (rwf)	Recorded by	Payment status	Owed amount	Date
+ 15	200	approved	3000	Joseph Rukundo	full	0	Feb 12, 2021
+ 567	133	approved	75411	Joseph Rukundo	full	0	Feb 12, 2021

Showing 1 to 2 of 2 entries

First Previous **1** Next Last

Production in Details

Search:

Export

# Check the supply and production BI report (2/2)

► Click on Parchment to view the parchments records

**Parchment**

HONEY WASHED  
Grade A 124kg  
Grade B 0kg  
Grade C 0kg

FULL WASHED  
Grade A 10412kg  
Grade B 0kg  
Grade C 0kg

FULLY WASHED  
Grade A 2605kg  
Grade B 0kg  
Grade C 0kg

**Produced** 10/7/2020    **Released** 3/18/2021    **from ..**    **to ..**

**Search** **Clear** **+ Record parchment**

Coffee grade	Qty	Lot number	Remaining Qty	Recorded
A	12	210318/PFW/1015	12	Mar 18, 2021
A	200	210317/PFW/1015	200	Mar 17, 2021
A	100	210317/PFW/1015	100	Mar 17, 2021
A	50	210317/PFW/1015	50	Mar 17, 2021
A	30	210317/PFW/1015	30	Mar 17, 2021
A	20	210323/PFW/1015	20	Mar 16, 2021
A	10000	210315/PFW/1015	10000	Mar 15, 2021
A	100	210223/PHW/1015	100	Feb 25, 2021
A	24	210223/PHW/1015	24	Feb 25, 2021
A	450	210104/PFW/1015	450	Jan 21, 2021
A	15	210115/PFW/1015	15	Jan 18, 2021
A	15	210116/PFW/1015	15	Jan 18, 2021

**select type**

- Full washed
- Honey washed
- Natural washed
- Natural washed
- Semi washed
- Fully Washed
- Gakondo nziza
- Honey washed
- Honey washed
- Fully Washed
- Fully Washed
- Fully Washed

**Status** All

Show 25 entries

First name ABEL

BAHITURUBWA THARCISSÉ

**REGISTRATION**

**Organisations** Nkara/Dukundekawa II >>

**546,391 frw** TOTAL COST

**Farmers**

- Farmers
- Suppling farmers
- Temporary farmers

**Parchments**

**Payments**

**SITE**

**Distribute**

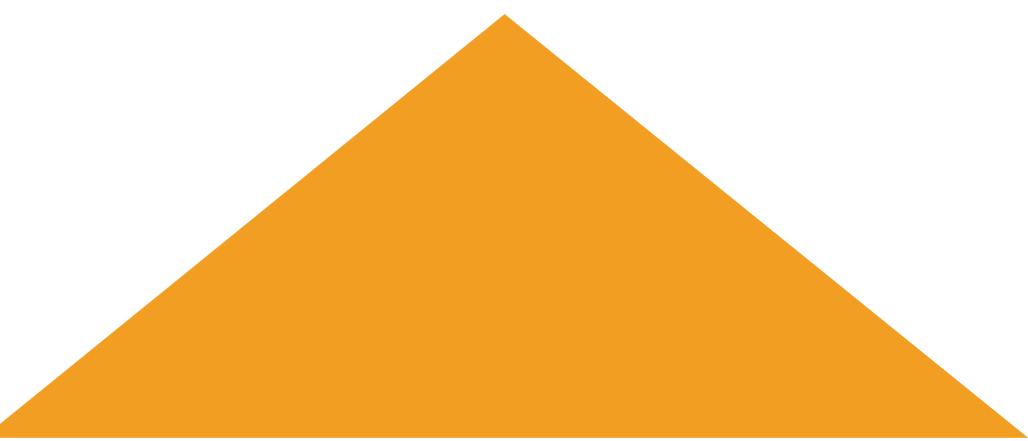
**Manage store**

**INPUT DISTRIBUTION**

**Progress report**

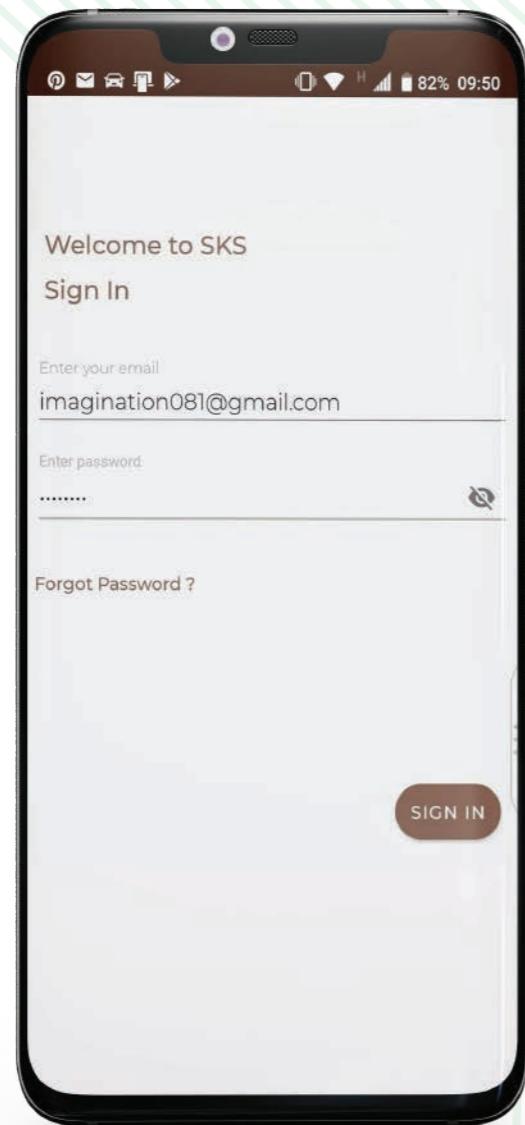
**GENERAL**

# **Cherry supply process on Android application platform**



# SKS Coffee APP Login

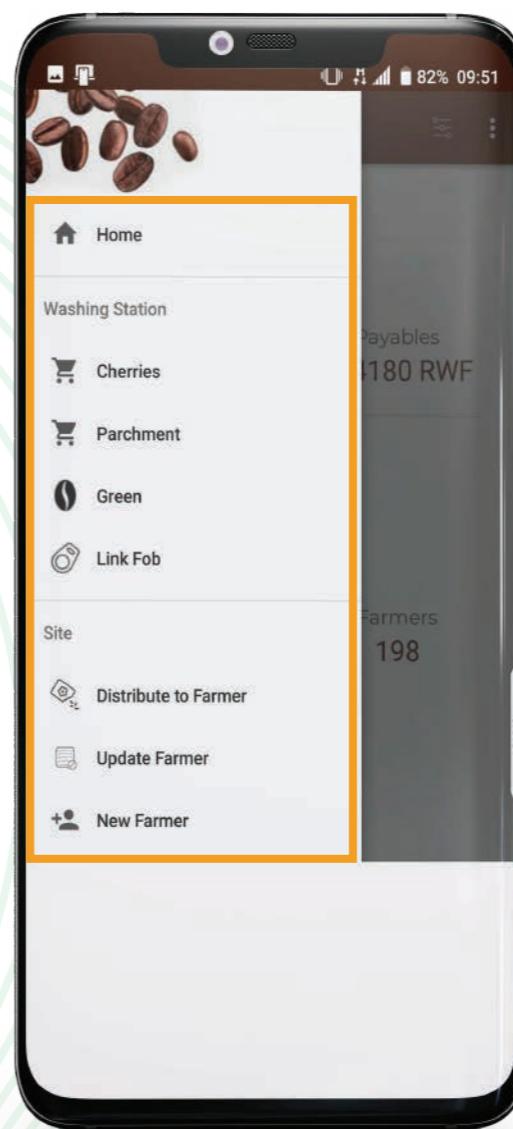
► Open SKS coffee input username and password



► View Homepage and select menu

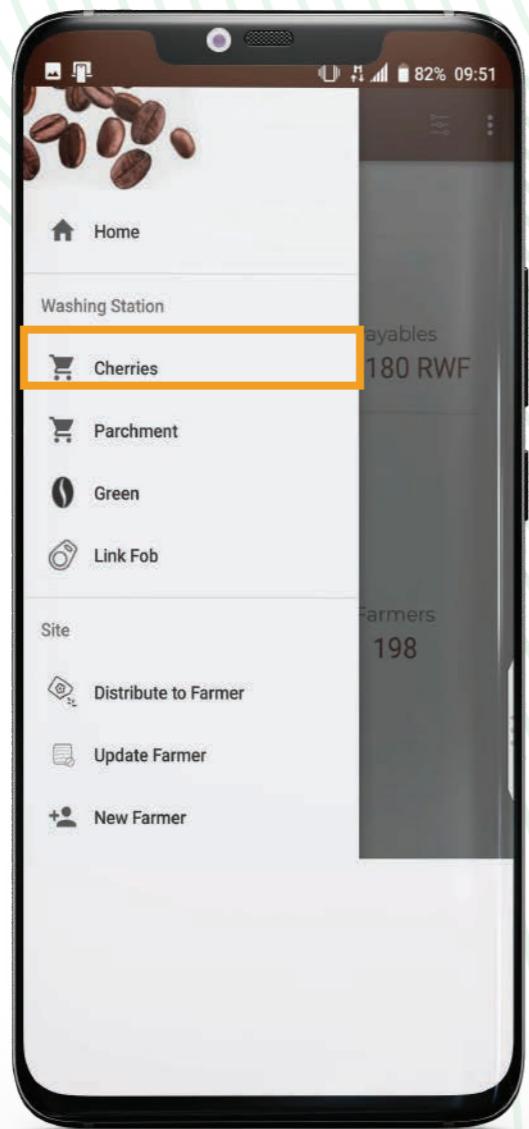


► View Menu

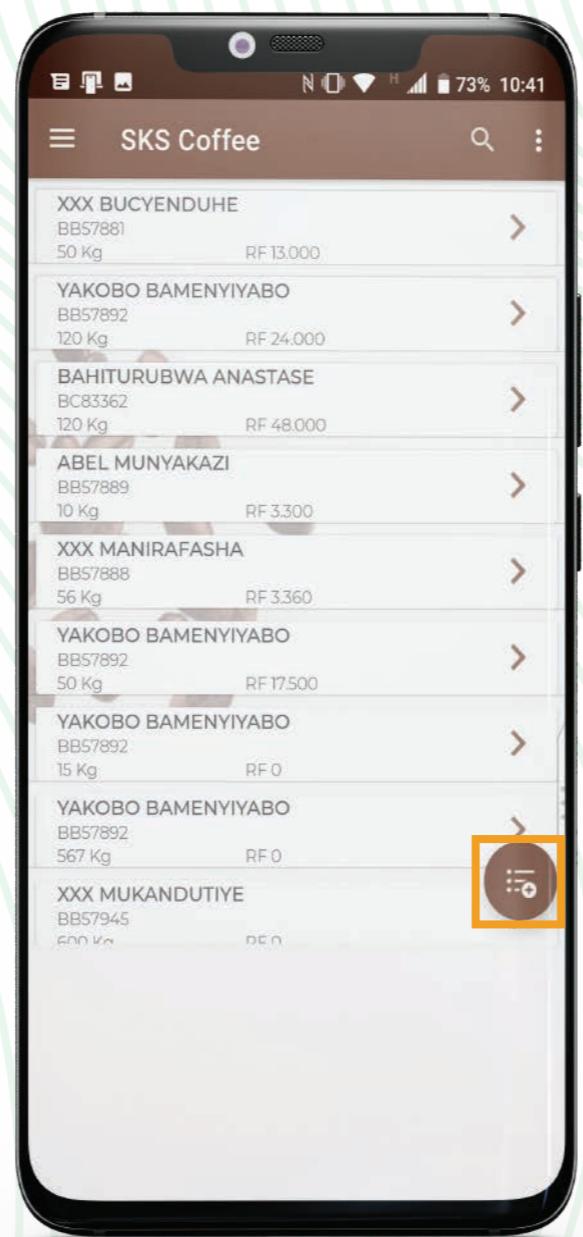


# Cherry supply record

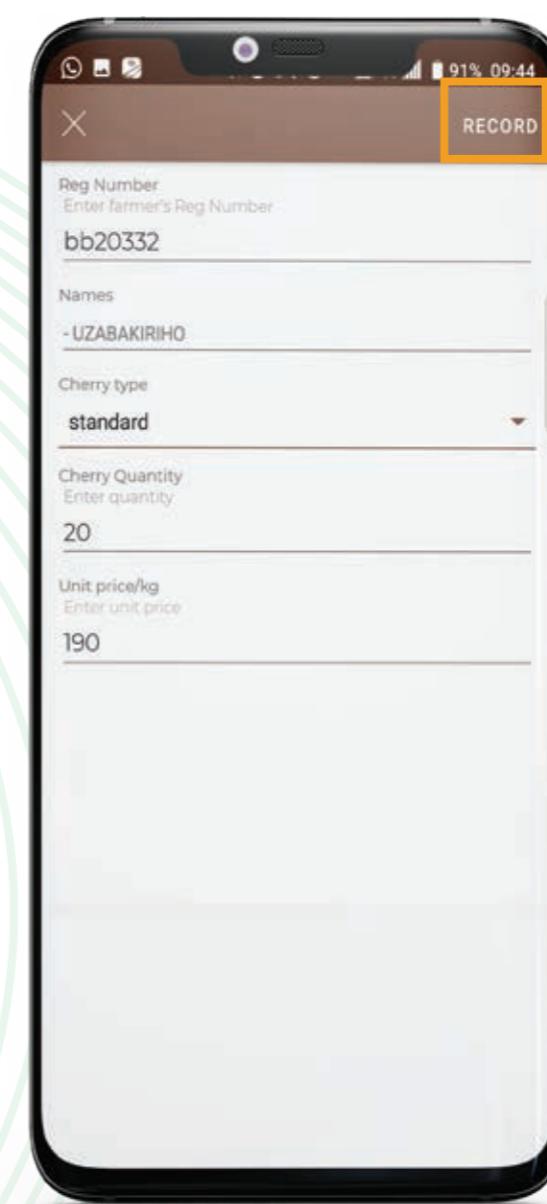
► Click on Cherries



► Add new cherry supply record

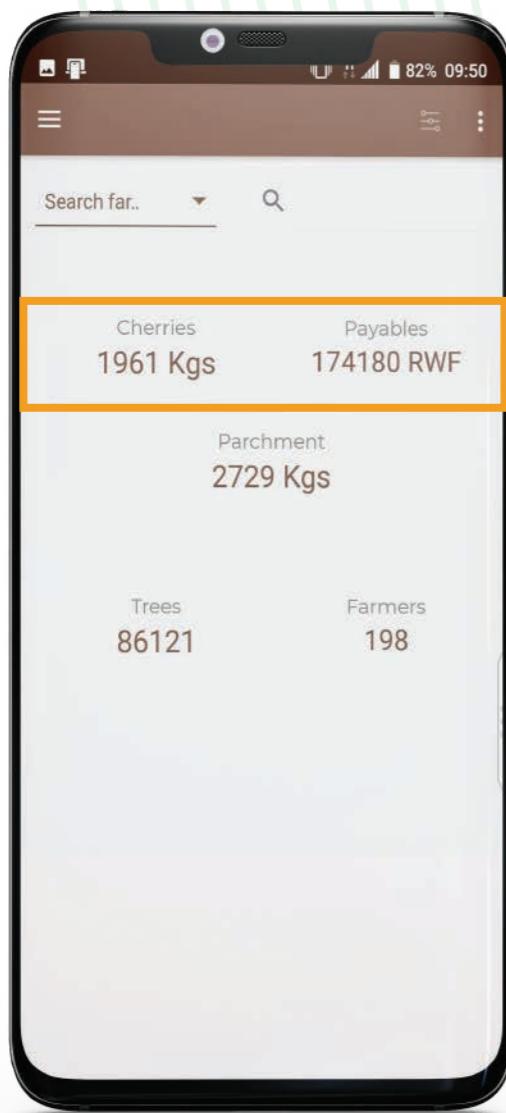


► Record new cherry supply

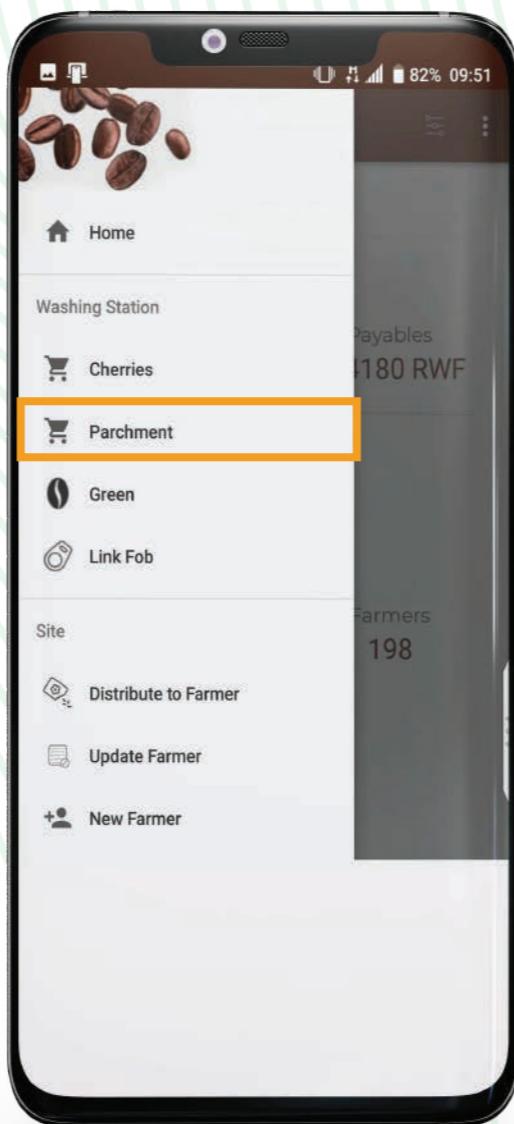


# Parchment production record

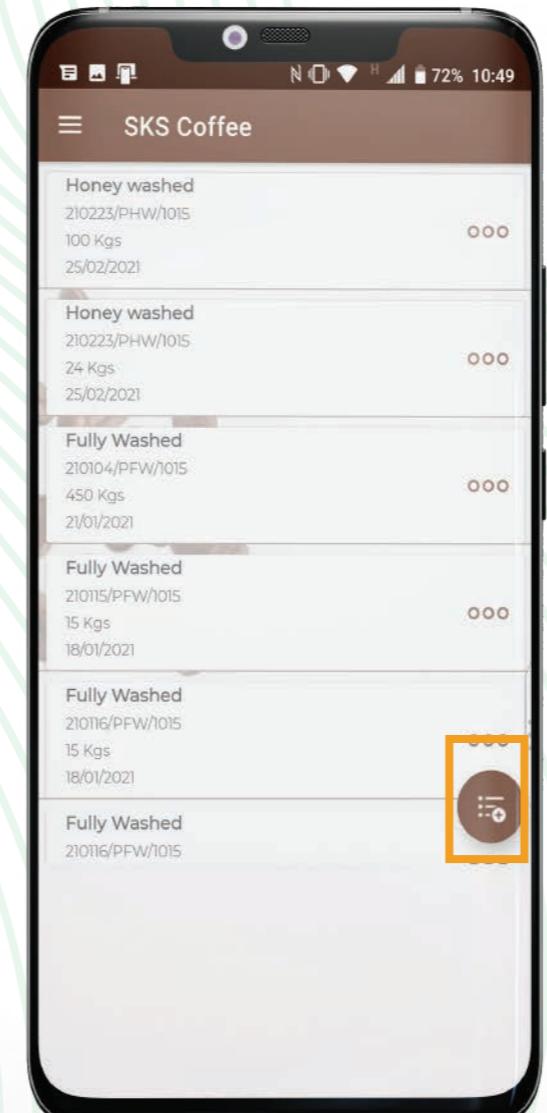
► View the CWS sales status



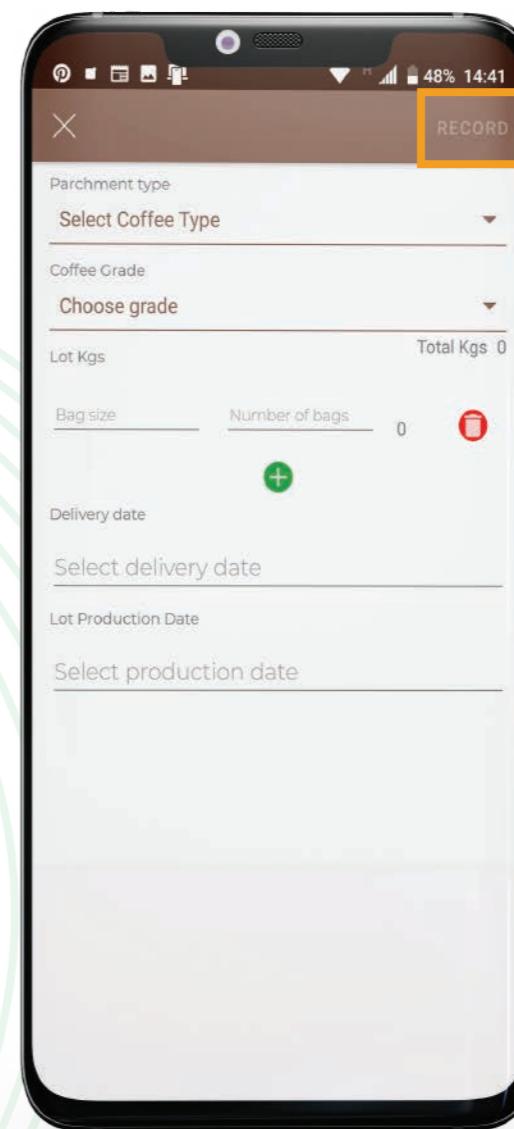
► Click on Parchment



► Add new parchment record



► Record new parchment production

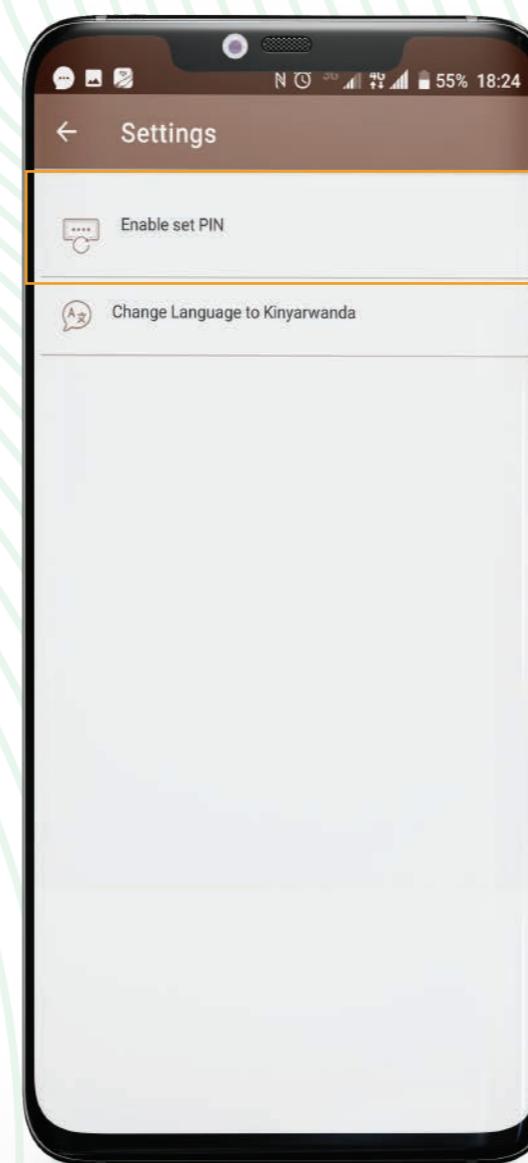


# Enable PIN reset

► Click on settings  
(highlighted icon)



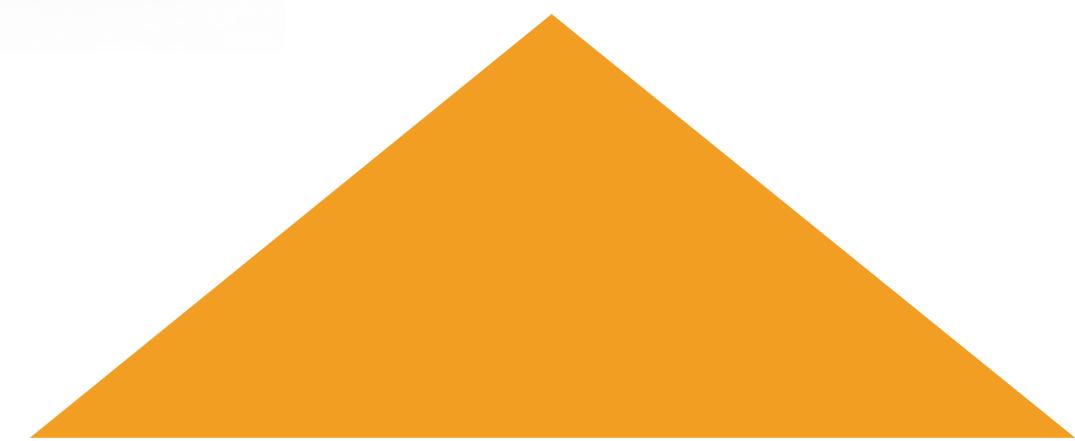
► Click on  
Enable set PIN



► Enter REG number  
and enable set PIN

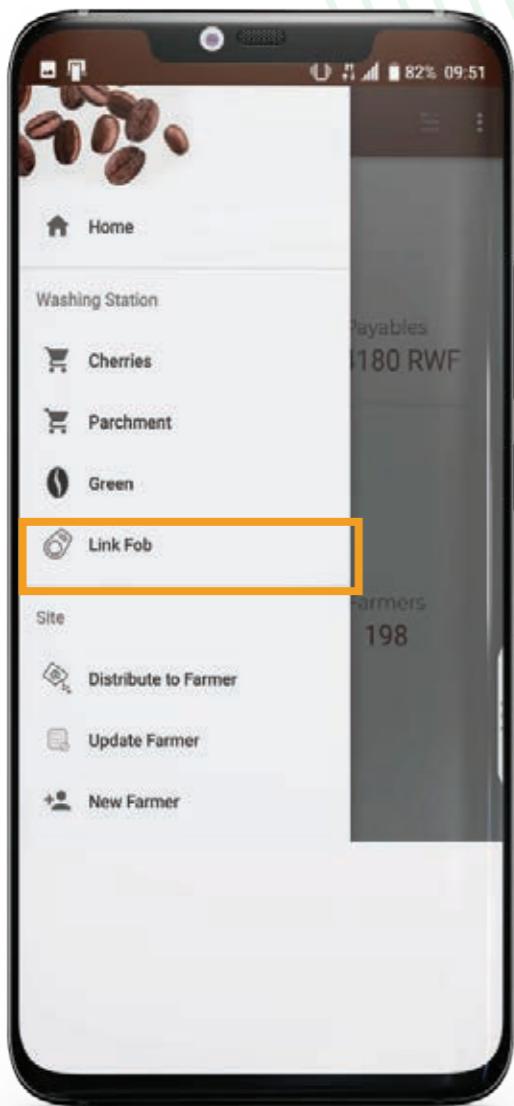


► click enable

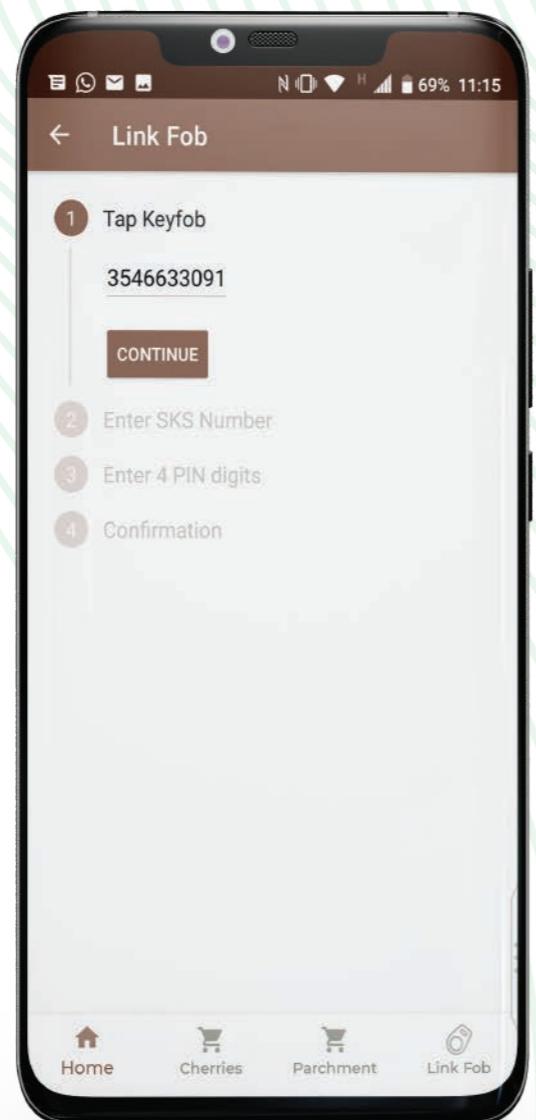


# Register new key fob

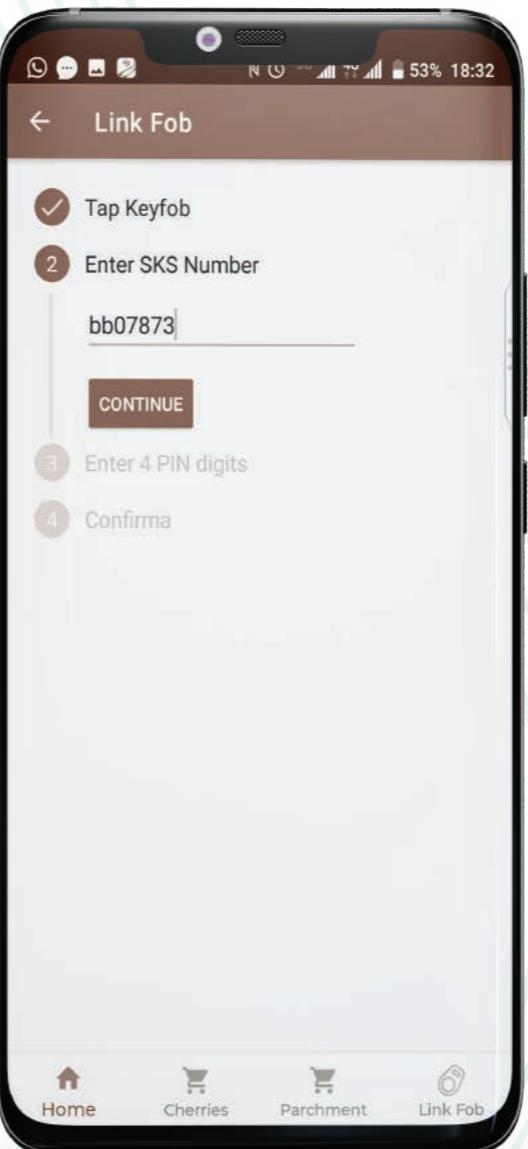
► Select link fob



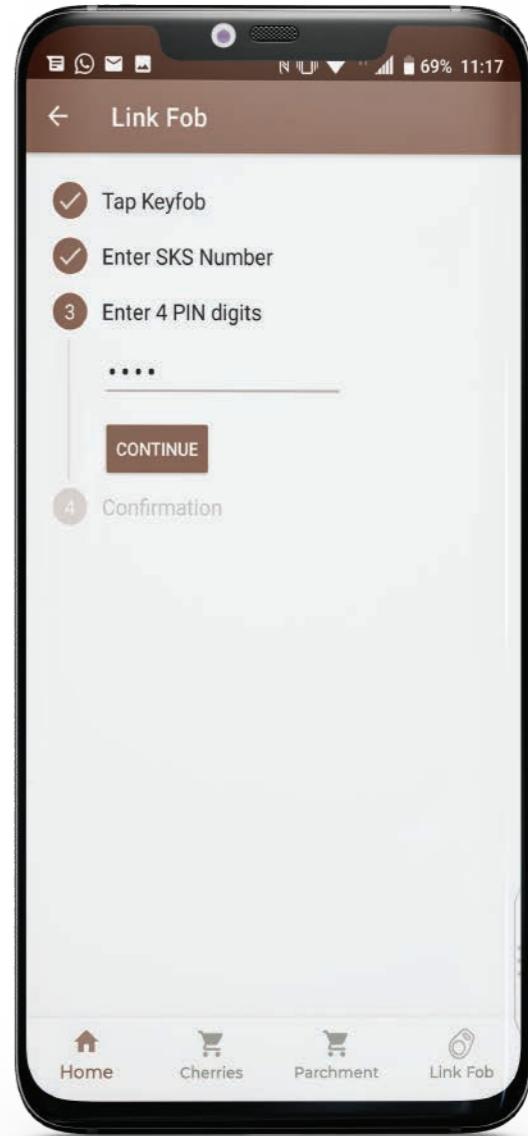
► Tap the fob and continue



► Enter REG number

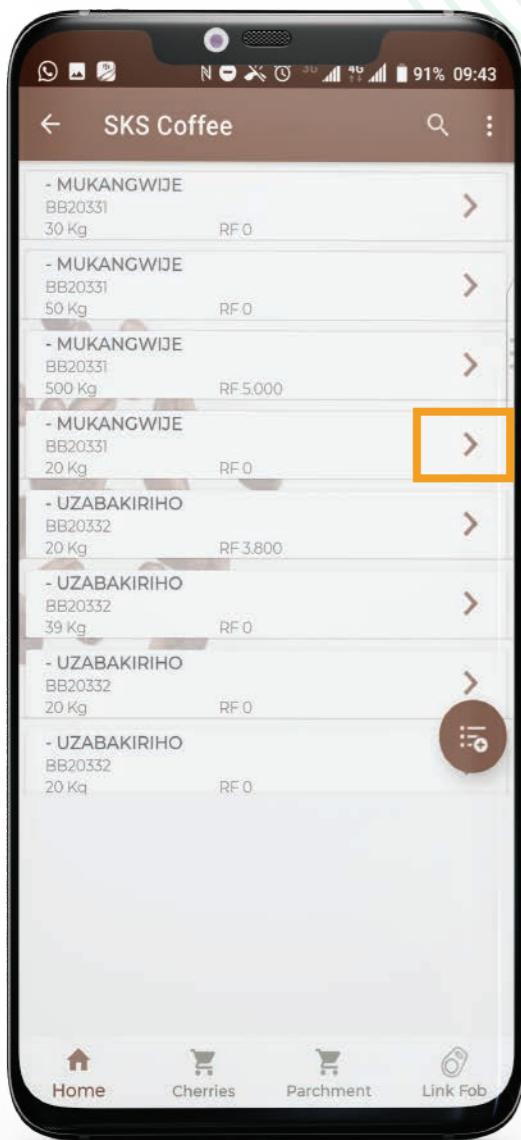


► Enter PIN and confirm data

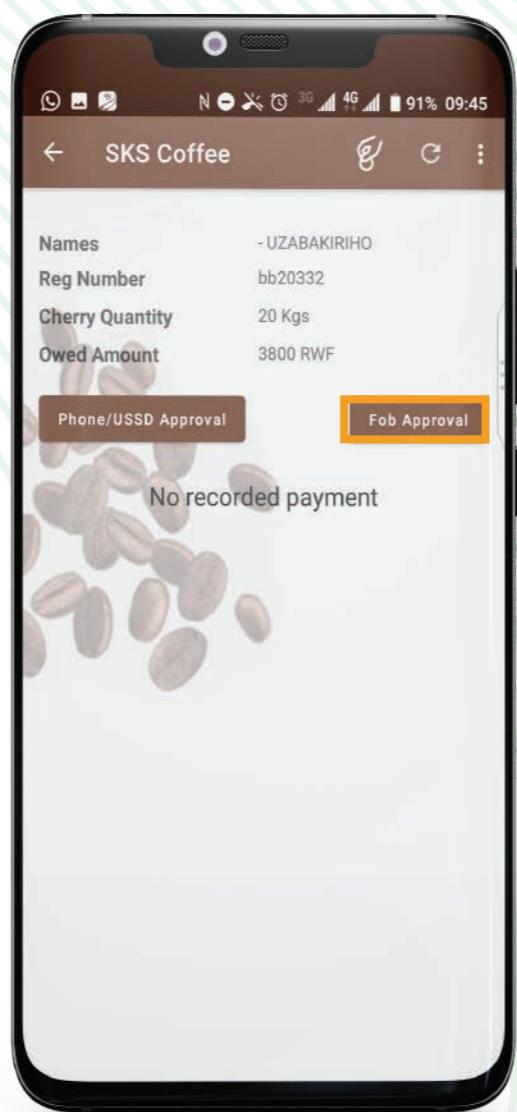


# Farmer delivery approval\_ with Key Fob

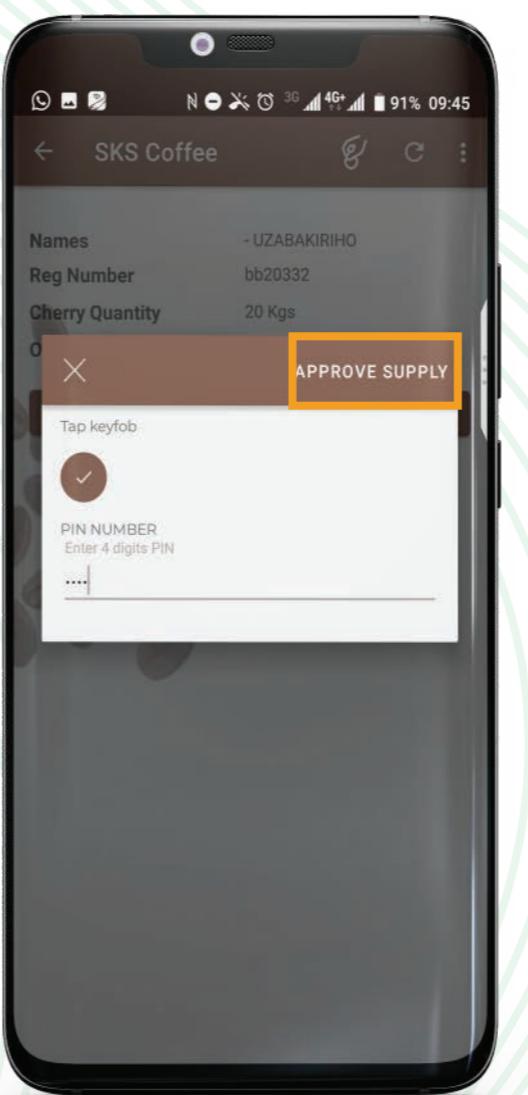
► Select the delivery to be paid



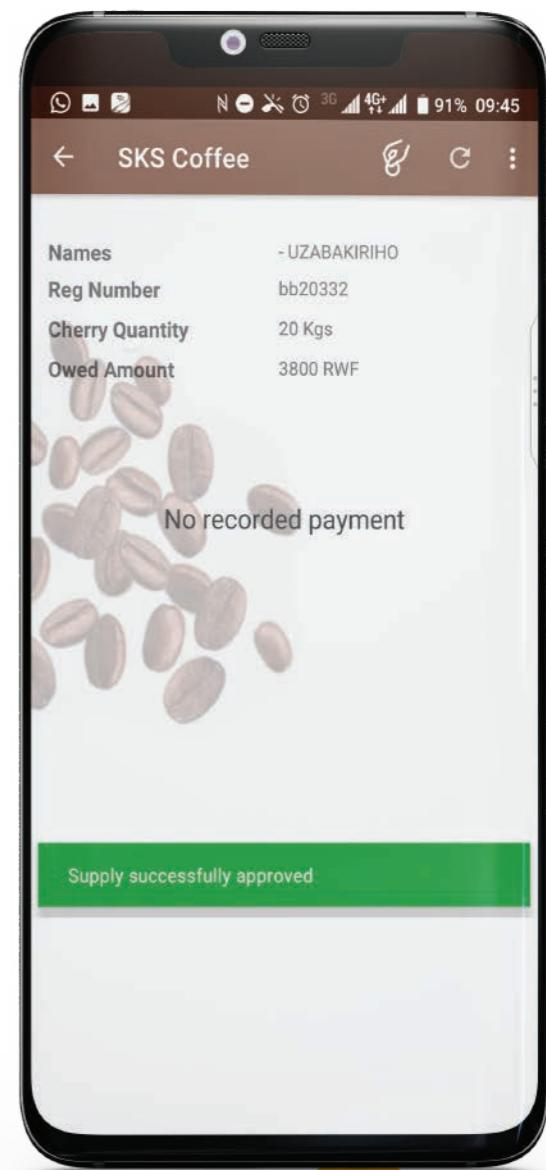
► Select the approval model "FOB approval"



► Tap key fob and enter PIN , then approve supply

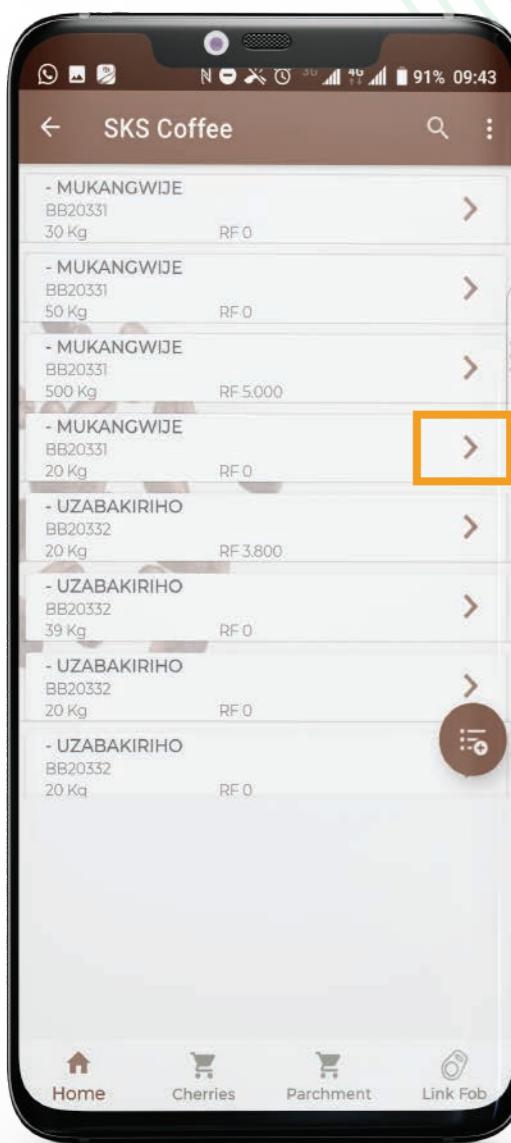


► Cherry supply is successfully approved by farmer

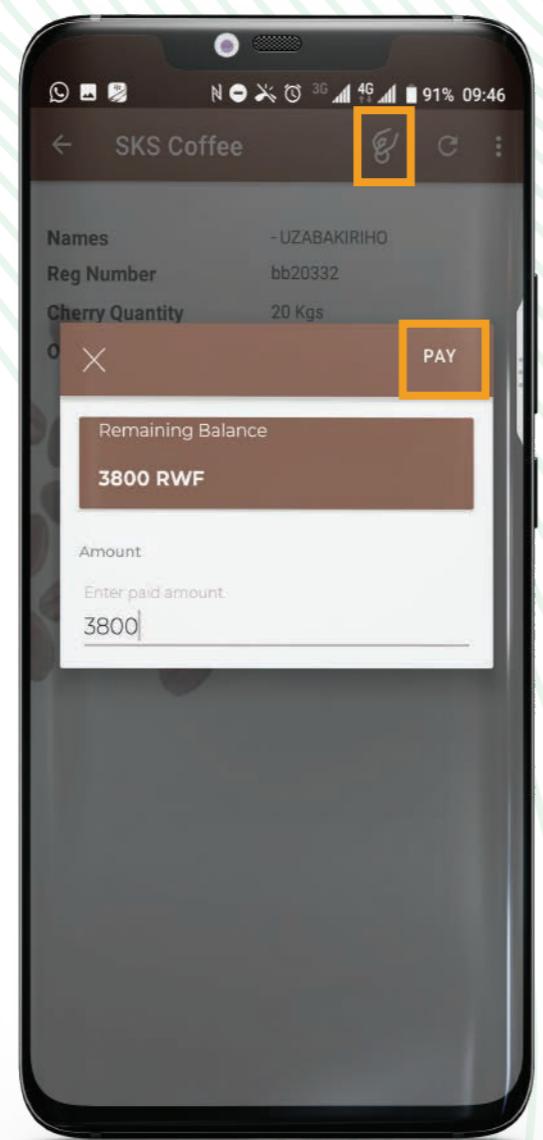


# Cherry delivery payment and approval\_ with Key Fob

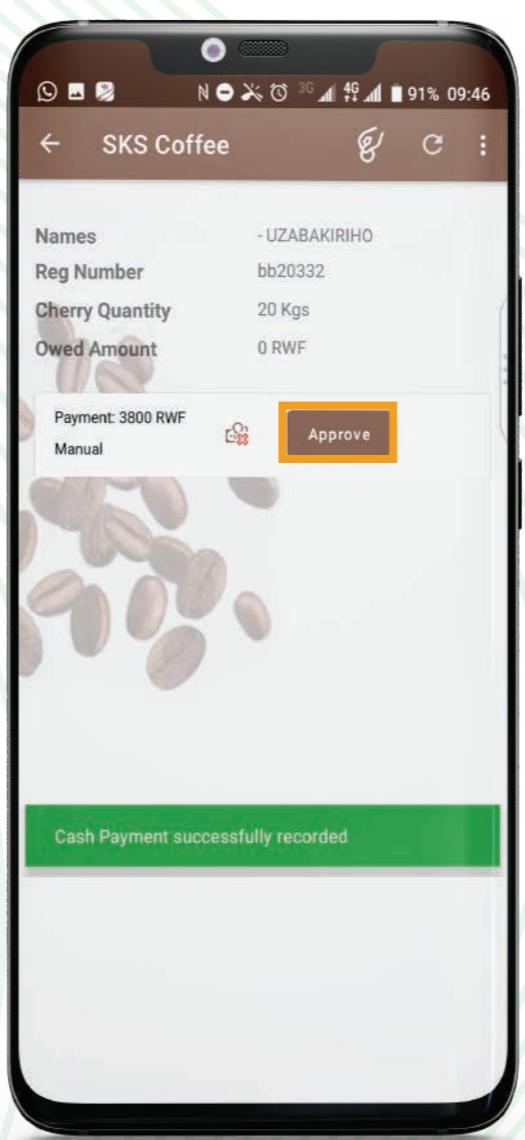
▶ Select the delivery to be paid and click on highlighted coin



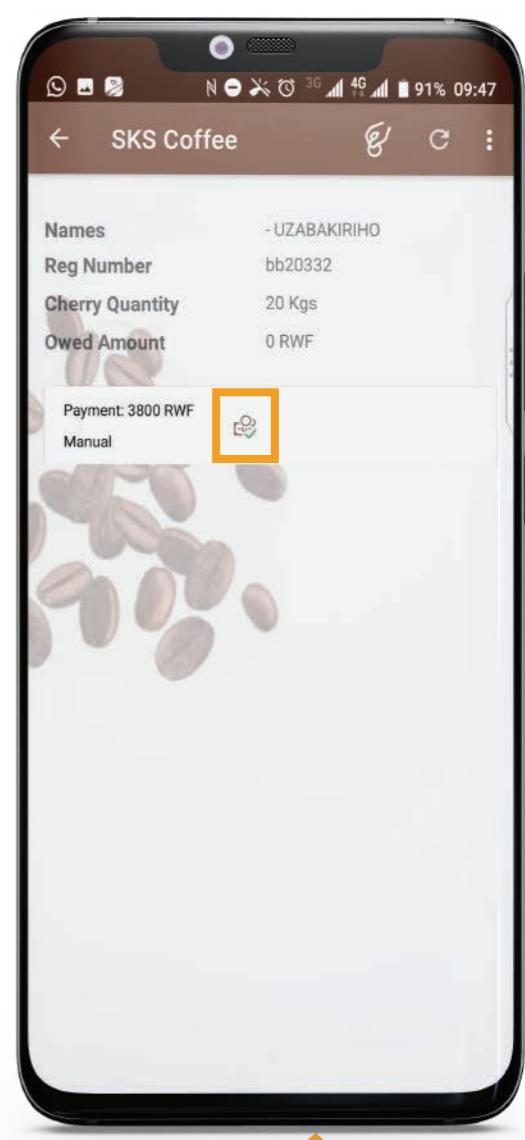
▶ Input the amount to be paid and pay



▶ The cash payment is successful and waiting to be approved



▶ Cherry supply is successfully approved





**Cherry delivery ap-  
proval process on USSD  
platform \*774#**

# Cherry collection via ussd\*774#

Hitamo serivise  
1. RAB (Nkunganire)  
2. NAEB

0. Subira inyuma

CANCEL SEND

Hitamo igikorwa  
1. Kwinjira  
2. Reba nomero Ikuranga  
3. Guhindura umubare banga

0. Subira inyuma

CANCEL SEND

Andika numero ikuranga

0. Subira inyuma

bb07879

CANCEL SEND

Andika umubare banga wawe

0. Subira inyuma

CANCEL SEND

Ikaze COLLECTOR, Hitamo igikorwa  
1. Kwakira ibitubwe  
2. Gukosora ibyinjiwe

0. Subira inyuma

CANCEL SEND

Ikaze COLLECTOR,  
Indika numero y'umuhinzi

0. Subira inyuma

bb08236

CANCEL SEND

Hitamo ubwoko bw'ibitumbwe  
1. bizima  
2. bireremba

0. Subira inyuma

CANCEL SEND

Andika ingano y'ibitumbwe bizima mu biro

0. Subira inyuma

80

CANCEL SEND

Andika igiciro ku kilo cy'ibitumbwe  
STANDARD

0. Subira inyuma

190

CANCEL SEND

Kwakira ibitumbwe STANDARD ibiro 80  
byakunze neza bigurishijwe na BB08236

OK

# Farmer reset pin

Urakaza neza, hitamo ururimi - Bienvenue,  
Choisissez la langue - Welcome, Choose  
language  
1. Ikinyarwanda  
2. English  
3. Francais

CANCEL SEND

Hitamo servise  
1. RAB (Nkunganire)  
2. NAEB  
0. Subira inyuma

CANCEL SEND

Hitamo igikorwa  
1. Kwinjira  
2. Reba nomero Ikuranga  
3. Guhindura umubare banga  
0. Subira inyuma

CANCEL SEND

Andika nomero ikuranga  
0. Subira inyuma  
bb08236

CANCEL SEND

Kora umubare banga uzajya ukoresha muri  
Kungahara (imibare 4)  
0. Subira inyuma

CANCEL SEND

Umubare wibanga wawe wakiriwe neza,  
musubire inyuma muhitemo kwinjira

OK

# Cherry delivery approval

Hitamo serivise  
1. RAB (Nkunganire)  
2. NAEB

0. Subira inyuma

CANCEL SEND

Hitamo igikorwa

1. Kwinjira  
2. Reba nomero Ikuranga  
3. Guhindura umubare banga

0. Subira inyuma

CANCEL SEND

Andika umubare banga wawe

0. Subira inyuma

CANCEL SEND

NAMBAJIMANA! Hitamo  
1.Emeza ku byagurishijwe  
2. Emeza ubwishiurwe  
3. Raporu ngufi  
4. Inyongeramusaruro  
0. Subira inyuma

CANCEL SEND

Hitamo

1. 80Kgs - 15200 Frw.  
0. Subira inyuma

CANCEL SEND

Kwemeza 15200 Kgs by'ibitubwe  
byagurishije kuwa byagenze neza  
Murakoze

OK

# Cherry payment approval

Hitamo serivise  
1. RAB (Nkunganire)  
2. NAEB

0. Subira inyuma

CANCEL SEND

Hitamo igikorwa  
1. Kwinjira  
2. Reba nomero Ikuranga  
3. Guhindura umubare banga

0. Subira inyuma

CANCEL SEND

Andika nomero ikuranga

0. Subira inyuma

bb08236

CANCEL SEND

Andika umubare banga wawe

0. Subira inyuma

CANCEL SEND

NAMBAJIMANA! Hitamo  
1.Emeza ku byaqurishijwe  
2. Emeza ubwisyurwe  
3. Raporu ngufi  
4. Inyongeramusaruro  
0. Subira inyuma

CANCEL SEND

Hitamo  
1. 80Kgs - 15200 Frw.  
0. Subira inyuma

CANCEL SEND

Ese uremeza ko wishyuwe amafaranga  
15200 FRW?

1. Emeza  
0. Subira inyuma

CANCEL SEND

Kwemeza ko wishyuwe amafaranga 15200  
ku biro 80 byititumbwe byakunze neza.  
bagusigayemo 0 Frw.



The background features a subtle, abstract design. It consists of a series of thin, light green curved lines that radiate from the top left corner towards the bottom right, creating a sense of motion and depth. In the bottom right corner, there is a solid, bright orange triangular shape pointing upwards, which provides a strong visual anchor and a pop of color against the white background.

**THANK YOU**