

# Manual Document for using Farm Management System



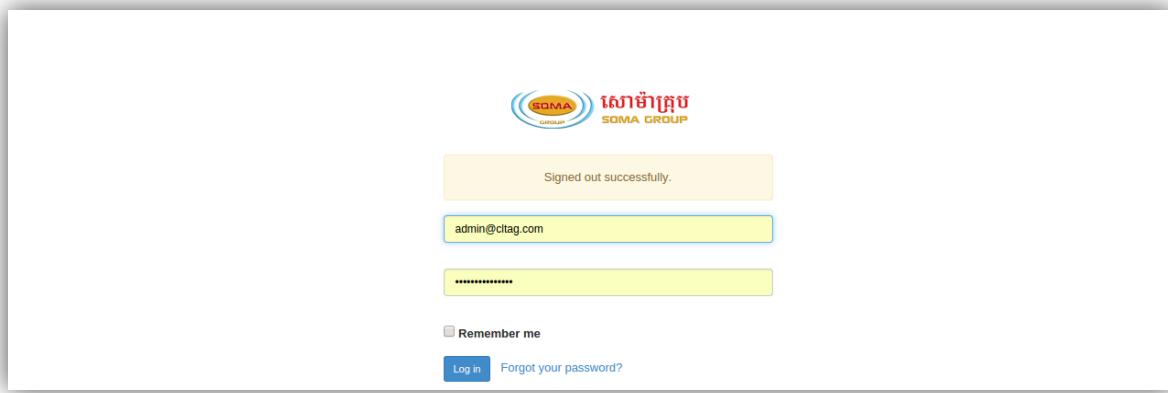
Prepared By CL & T.A.G Co., Ltd.

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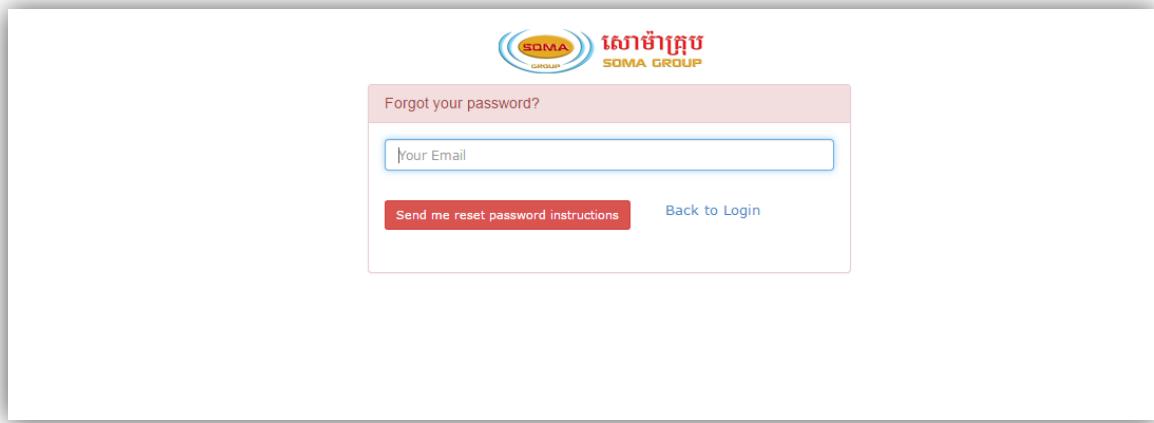
## 1. Login Page

This is the authentication page for users of the system. It is the first page that user can see in the system (Figure 1.1)



**Figure 1.1**

- This page is used for recover user password if they forget their password



**Figure 1.1.1**

## 2. Dashboard Page (Agriculture System)

This is the main system page, which display brief information about weather, recent activities, and projects. (Figure 2.1)

### 2.1 Farm

- This feature on dashboard shows brief information of the farm. It shows us three items such as Name of the farm, weather of the farm, and button for viewing the farm's detail.
- When the users click on the button, the map will pop up with the location of the farm.

### 2.2 Project

- This feature using for viewing planting project. In each planting project, there is brief information about farm like Name of farm, total surface, and also total tree amount.

### 2.3 Recent Activities

- This feature demonstrates the activities that users have done recently.

### 2.4 Yield Overview

- This feature use for showing graph of production for each project current year.

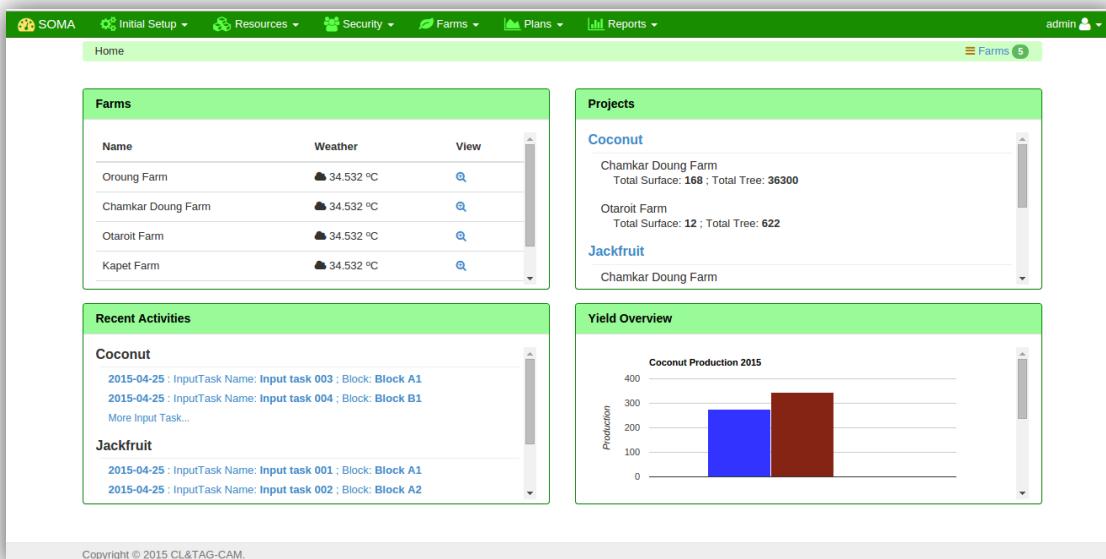


Figure 2.1

### 3. Initial Setup

#### 3.1. Workforce

##### Position Management Page

- This feature use for creating new or update position which will be used in “Labor Management Page”.

The screenshot shows a table with three rows of data:

Name	Note	Action
Hong Channda	Project Supervisor (Zone)	Edit
Manager	Controlling a labor in field	Edit
Worker	Doing farming in the field	Edit

Figure 3.1

- When users click on “New Position” button, they will see form below (Figure 3.2)

The screenshot shows a form with two input fields: "Name \*" and "Note". Below the fields are two buttons: "Create Position" and "Cancel".

Figure 3.2

- If the users want to change the content of the position, they can click on the “Edit” button from Figure 3.1

The screenshot shows a form with two input fields: "Name \*" containing "Manager" and "Note" containing "Controlling a labor in field". Below the fields are two buttons: "Update Position" and "Cancel".

Figure 3.3

## Labor Management Page

- This feature use for create new or update the overall information of the worker in the system.

The screenshot shows a web-based application interface for managing labor. At the top, there is a navigation bar with links for Soma, Initial Setup, Resources, Security, Farms, Plans, Reports, and a user account for 'admin'. Below the navigation bar, the page title is 'Home / All Labors' and the section title is 'Labor'. A 'New Labor' button is located in the top right corner. The main content area displays a table with columns: Name, Position, Gender, Manager, Active, and Action. There are four entries in the table:

Name	Position	Gender	Manager	Active	Action
Default Manager	Manager	M	N/A	<span>active</span>   <span>deactivate</span>	Edit
Keven	Manager	M	N/A	<span>active</span>   <span>deactivate</span>	Edit
Piseth	Manager	M	N/A	<span>active</span>   <span>deactivate</span>	Edit
Pheth	Manager	M	N/A	<span>active</span>   <span>deactivate</span>	Edit

At the bottom left, it says 'Showing 1 to 4 of 4 entries'. On the right, there are buttons for 'Previous', '1', and 'Next'. A search bar is also present at the top right of the table area.

**Figure 3.4**

- When users click on “New Labor” button, they will see form below (Figure 3.5)

The screenshot shows a 'New' form for creating a new labor entry. The form fields are:

- Name \*
- Position \*
- Gender \*
- Phone Number
- Email \*
- Address
- Manager
- Note

Below the form fields, there is a checkbox labeled 'Active' with a checked mark. At the bottom right of the form, there are two buttons: 'Create Labor' and 'Cancel'.

**Figure 3.5**

- If the users want to change the content, they can click on the “Edit” button from figure 3.4

**Edit**

Name	Default Manager
Position	Manager
Gender	M
Phone Number	012 345 678
Email	admin@cltag.com
Address	Phnom Penh
Manager	(dropdown)
Note	Controlling all the labors in the field
Active	<input checked="" type="checkbox"/>

**Update Labor** **Cancel**

**Figure 3.6**

### 3.2. Inventory

#### Warehouse Management Page

- This feature use for create new or update the information of warehouse in the system

**Warehouse**

Name	Warehouse Type	Active	Actions
Oroung Finished Goods WH	Finished Goods Warehouse	active   deactivate	Edit
Coconut Project WH	Project Warehouse	active   deactivate	Edit

Show 10 entries Search:

New Warehouse

Showing 1 to 2 of 2 entries Previous 1 Next

**Figure 3.7**

- When users click on “New Labor” button, they will see form below (Figure 3.8)

**New**

Name *	<input type="text"/>
Warehouse Type *	<input type="text"/>
Address *	<input type="text"/>
Note	<input type="text"/>
Active	<input checked="" type="checkbox"/>

**Create Warehouse** **Cancel**

**Figure 3.8**

- If the users want to change the content, they can click on the “Edit” button from figure 3.7

**Edit**

Name \*: Oroung Finished Goods WH

Warehouse Type \*: Finished Goods Warehouse

Address \*: Oroung Farm

Note:

Active:

**Update Warehouse** **Cancel**

**Figure 3.9**

### Planting Project Management Page

- This feature use for create new or update the information of planting project in the system

**Planting Project**

Show 10 entries

Name	Note	Actions
Coconut		<a href="#">Edit</a>
Jackfruit		<a href="#">Edit</a>
Mango		<a href="#">Edit</a>
Lemon		<a href="#">Edit</a>

Showing 1 to 4 of 4 entries

**New Project**

**Figure 3.10**

- When users click on “New Project” button, they will see form below (Figure 3.11)

**New Planting Project**

Name \*:

Note:

**Create Planting project** **Cancel**

**Figure 3.11**

- If the users want to change the content, they can click on the “Edit” button from figure 3.10

The screenshot shows a modal window titled "Edit Planting Project". Inside, there is a field labeled "Name \*" containing the value "Coconut". Below it is a "Note" field with a small text area. At the bottom right of the modal are two buttons: "Update Planting project" in blue and "Cancel" in grey.

**Figure 3.12**

### Material Management Page

- This feature use for create new or update the information of materials which will be use in the farm

The screenshot shows a table titled "Materials". The columns are: Name, Unit of Measurement, Supplier, Note, and Action (with a "Edit" link). The table contains the following data:

Name	Unit of Measurement	Supplier	Note	Action
Cow Dung	Kg			Edit
8.24.24	Kg			Edit
Salt	Kg			Edit
15-15-15	Kg			Edit
Magnesium	Kg			Edit
Ask (I <sub>2</sub> O <sub>3</sub> )	Kg			Edit
Urea	Kg			Edit
Compost	Kg			Edit
Chicken Dung	Kg			Edit

**Figure 3.13**

- When users click on “New Material” button, they will see form below (Figure 3.14)

The screenshot shows a modal window titled "New". It contains the following fields:
 

- Name \*
- Material Category \*
- Unit of Measurement \*
- Supplier
- Note

 At the bottom right are two buttons: "Create Material" in blue and "Cancel" in grey.

**Figure 3.14**

- If the users want to change the content, they can click on the “Edit” button from figure 3.13

The screenshot shows the 'Edit' form for a material named 'Mevinphos'. The form includes fields for Name (Mevinphos), Material Category (Pest & Insecticides), Unit of Measurement (L), Supplier, and Note. There are 'Update Material' and 'Cancel' buttons at the bottom.

**Figure 3.15**

### Materials' Beginning Balance

- This feature, user can initialize materials' beginning balance and the beginning balance should be initialized from January 2015.

The screenshot shows the 'Materials' Beginning Balance' screen. It includes a header with 'Select Month' (05-2015) and 'Select Warehouse' (Jackfruit Project WH), and an 'OK' button. Below this, there are three sections: 'Fertilizers', 'Pest & Insecticides', and 'Fungicides', each listing materials and their initial beginning balances.

Category	Material	Beginning Balance	Unit
Fertilizers	Compost	123.0	Kg
	Chicken Dung	524.0	Kg
	Cow Dung	245.0	Kg
	8.24.24	321.0	Kg
	Salt	145.0	Kg
	15-15-15	154.0	Kg
	Magnesium	1534.0	Kg
	Ask (化肥)	1234.0	Kg
	Urea	414.0	Kg
Pest & Insecticides	Cyperan	0.0	L
	Monocrothophos	0.0	L
	Monotophos	0.0	L
	Mevinphos	0.0	L
	Furadan	0.0	Kg
	Vifuran	0.0	Kg
	Abamectin	0.0	L
	Chlorpyrifos	0.0	mL
Fungicides	Antracol	0.0	Kg
	Mancozeb	0.0	Kg
	Zineb	0.0	Kg
	Copper Fungicide	0.0	Kg

Herbicides		
Niphosate	0.0	L
Newstate	0.0	L
Glyphosan	0.0	L

Indirect Materials		
Diesel	0.0	L
Enaine Oil No. 40	0.0	I
Other		

Engine Oil No. 50	0.0	L
Hydraulic Oil No. 68	0.0	L
Gear Oil No. 90	0.0	L
Lubricant No. 140	0.0	L
Brake Oil	0.0	L
Gasoline	0.0	L
Seed	0.0	Unit

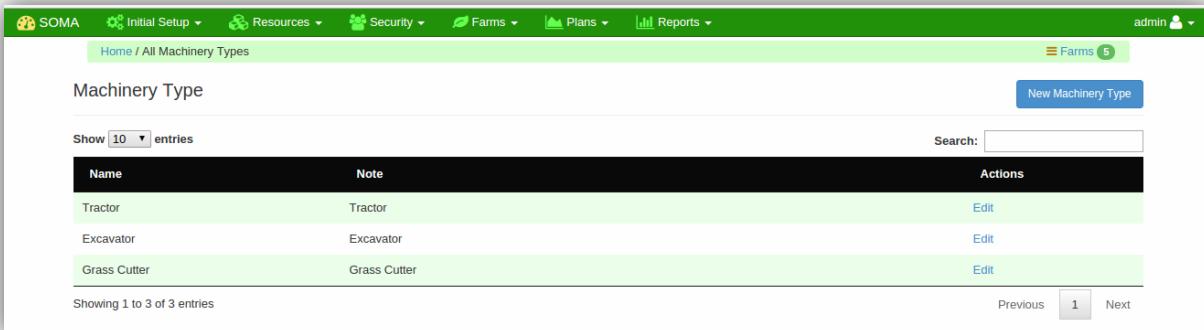
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**Figure 3.15.1**

### 3.3. Machinery

#### Machinery Type Management Page

- This feature use for creating new or update “Machinery Type” which will be used in “Machinery Management Page”



The screenshot shows a web-based application interface for managing machinery types. The top navigation bar includes links for SOMA, Initial Setup, Resources, Security, Farms, Plans, Reports, and a user account (admin). The current page is 'Home / All Machinery Types'. A green header bar indicates there are 5 farms. The main content area is titled 'Machinery Type' and contains a table with three entries:

Name	Note	Actions
Tractor	Tractor	Edit
Excavator	Excavator	Edit
Grass Cutter	Grass Cutter	Edit

Below the table, it says 'Showing 1 to 3 of 3 entries'. There are buttons for 'New Machinery Type', 'Search', 'Previous', '1', and 'Next'.

**Figure 3.16**

- When users click on “New Machinery Type” button, they will see form below (figure 3.17)

New

Name \*

Note

**Create Machinery type** **Cancel**

**Figure 3.17**

- If the users want to change the content, they can click on the “Edit” button from figure 3.16

Edit

Name \* Tractor

Note Tractor

**Update Machinery type** **Cancel**

**Figure 3.18**

## Machinery Management Page

- This feature use for creating new or update the information of machinery which will be use in the farm

Machineries

Show 10 entries

Name / Code	Type	Source	Regs. No.	Year	Avatar	Status	Action
000003	Tractor	Own Project	0098765	2001		active   deactivate	Edit
000002	Excavator	Own Project	0098765	2001		active   deactivate	Edit
000001	Tractor	Own Project	0098765	2001		active   deactivate	Edit

Showing 1 to 3 of 3 entries

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**Figure 3.19**

- When users click on “New Machinery” button, they will see form below (Figure 3.20)

New

Name / Code \*

Machinery Type \*

Source \*

Planting Project \*

Manufacturer

Model

Registration No

Year

Note

Avatar  No file chosen

IMAGE  
NOT  
FOUND

Active

Figure 3.20

- If the users want to change the content, they can click on the “Edit” button from figure 3.19

Edit

Name / Code \* 000002

Machinery Type \* Excavator

Source \* Own Project

Planting Project \* Coconut

Manufacturer AAA

Model BBB

Registration No 0098765

Year 2001

Note

Avatar  No file chosen

IMAGE  
NOT  
FOUND

Active

Figure 3.21

### 3.4. Equipment

#### Equipment Type Management Page

- This feature use for creating new or update “Equipment Type” which will be used in “Equipment Management Page”.

The screenshot shows a web-based application interface for managing equipment types. The top navigation bar includes links for Soma, Initial Setup, Resources, Security, Farms, Plans, and Reports, along with a user account for 'admin'. Below the navigation is a breadcrumb trail: Home / All Equipment Types. A green header bar indicates there are 5 farms. The main content area is titled 'Equipment Type' and contains a table with two entries: 'scissor' and 'Hammer'. The table columns are Name, Note, Status, and Actions. Both entries have an 'active' status and a 'deactivate' link. The Actions column for each entry also includes an 'Edit' button. At the bottom of the table, it says 'Showing 1 to 2 of 2 entries'. Navigation buttons for Previous, Next, and page number 1 are also present.

Name	Note	Status	Actions
scissor		active   deactivate	Edit
Hammer		active   deactivate	Edit

Figure 3.22

- When users click on “New Equipment Type” button, they will see form below (Figure 3.23)

The screenshot shows a 'New' form for creating a new equipment type. The top navigation bar and user account are identical to Figure 3.22. The main form has fields for 'Name \*' (containing 'scissor') and 'Note' (empty). At the bottom are 'Create Equipment type' and 'Cancel' buttons.

Figure 3.23

- If the users want to change the content, they can click on the “Edit” button from figure 3.22

The screenshot shows an 'Edit' form for the equipment type 'scissor'. The top navigation bar and user account are identical to previous figures. The main form has fields for 'Name \*' (containing 'scissor') and 'Note' (empty). At the bottom are 'Update Equipment type' and 'Cancel' buttons.

Figure 3.24

## Equipment Management Page

- This feature use for creating new or update the information of equipment or tool which will be used in the farm process.

The screenshot shows a web-based application interface for managing equipment. At the top, there is a navigation bar with various menu items: SOMA, Initial Setup, Resources, Security, Farms, Plans, Reports, and a user account for 'admin'. Below the navigation bar, the page title is 'Home / All Equipments'. A button labeled 'New Equipment' is visible on the right. The main content area is titled 'Equipments' and contains a table with the following data:

Name	Type	Planting Project	Status	Action
000003	Hammer	Jackfruit	active   deactivate	Edit
000002	scissor	Coconut	active   deactivate	Edit
000001	Hammer	Coconut	active   deactivate	Edit

Below the table, it says 'Showing 1 to 3 of 3 entries'. On the right, there are buttons for 'Previous' and 'Next'. The page footer indicates 'Farms 5'.

**Figure 3.25**

- When users click on “New Equipment” button, they will see form below (Figure 3.26)

The screenshot shows a 'New' equipment creation form. The top navigation bar and user account are identical to Figure 3.25. The form fields are as follows:

- Equipment Name \*: Text input field
- Equipment Type \*: Select dropdown
- Note: Text input field
- Planting Project \*: Select dropdown
- Active: A checkbox with a checked mark.

At the bottom, there are two buttons: 'Create Equipment' (blue) and 'Cancel'.

**Figure 3.26**

- If the users want to change the content, they can click on the “Edit” button from figure 3.25

The screenshot shows an 'Edit' equipment form. The top navigation bar and user account are identical to Figure 3.25. The form fields are the same as the 'New' form in Figure 3.26, with the following values:

- Equipment Name \*: 000003
- Equipment Type \*: Hammer
- Note: Text input field
- Planting Project \*: Jackfruit
- Active: A checkbox with a checked mark.

At the bottom, there are two buttons: 'Update Equipment' (blue) and 'Cancel'.

**Figure 3.27**

## 4. Resources (Stock Management Section)

### 4.1. Materials

#### Remaining Balance

- This feature use for showing the latest amount of all materials in every warehouse which can be use in farm
- Users can adjust the quantity of each material

Material Name	Qty In Stock	Action
<b>Fertilizers</b>		
Compost	0.0 ( Kg )	Adjust
Chicken Dung	0.0 ( Kg )	Adjust
Cow Dung	0.0 ( Kg )	Adjust
8.24.24	0.0 ( Kg )	Adjust
Salt	0.0 ( Kg )	Adjust
15-15-15	0.0 ( Kg )	Adjust
Magnesium	0.0 ( Kg )	Adjust
Ask ( 尿素 )	0.0 ( Kg )	Adjust
Urea	0.0 ( Kg )	Adjust
<b>Pest &amp; Insecticides</b>		
Cypermethrin	0.0 ( L )	Adjust

Figure 4.1

- When users click on “Adjust” button, they will see adjustment page (Figure 4.2)
- Note: for adjustment feature use only for changing small amount of the materials only

Adjust Stock

Adjust Date: 2015-05-20

Warehouse: Coconut Project WH

Material: Compost

Quantity \*: 0.0 Kg

Note:

Cancel OK

Figure 4.2

## Adjustment

- This feature use for showing the history of all the adjustment on the system

The screenshot shows a table titled "Material Adjustments" with columns: "Adjust Date", "Material", "Old Qty", "Adjust Qty", "Adjust By", and "Note". A message "No data available in table" is displayed below the header. At the bottom, it says "Showing 0 to 0 of 0 entries" and has "Previous" and "Next" buttons.

**Figure 4.3**

## Stock In

- This feature use for adding the quantity of the each material that the Company bought from the supplier.

The screenshot shows a table titled "Stock In" with columns: "Stock In Date", "Warehouse", "Material", "User", "Quantity", "Reference No", "Item Description", and "Note". The entries are: 2015-05-20, Coconut Project WH, Compost, Keven, 100.0, 000009876543; 2015-05-20, Coconut Project WH, Lubricant No. 140, Piseth, 120.0, 000009876543, AAA, BBB; 2015-05-20, Coconut Project WH, Chicken Dung, Pheth, 123.0, 0864321, AAA, BBB. At the bottom, it says "Showing 1 to 3 of 3 entries" and has "Previous", "1", and "Next" buttons.

**Figure 4.4**

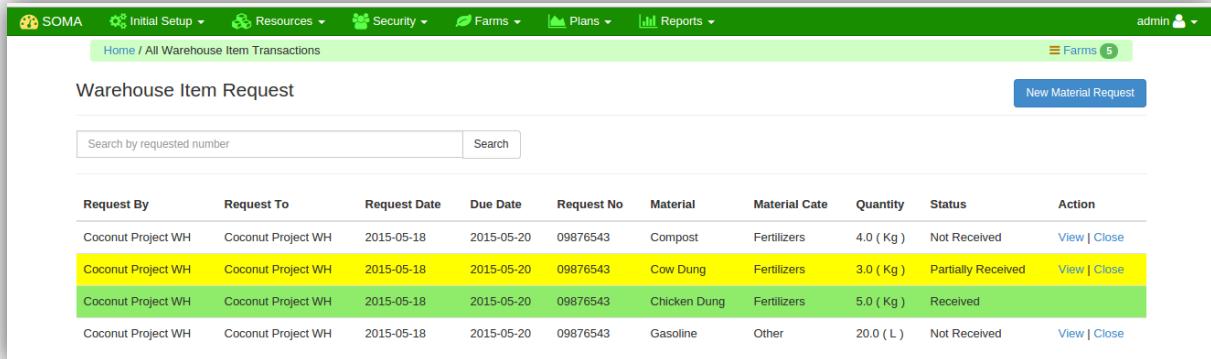
- When users click on “New Stock In” button, they will see form below (Figure 4.5)

The screenshot shows a form titled "New" with fields: "Warehouse \*" (Coconut Project WH), "Material \*" (Compost), "User \*" (Keven), "Stock In Date \*" (2015-05-20), "Quantity \*" (100 Kg), "Reference Number \*" (000009876543 highlighted in yellow), "Item Description" (empty), and "Note" (empty). At the bottom are "Create Stock In" and "Cancel" buttons.

**Figure 4.5**

## Request

- This feature use for request materials from one project warehouse to central warehouse.

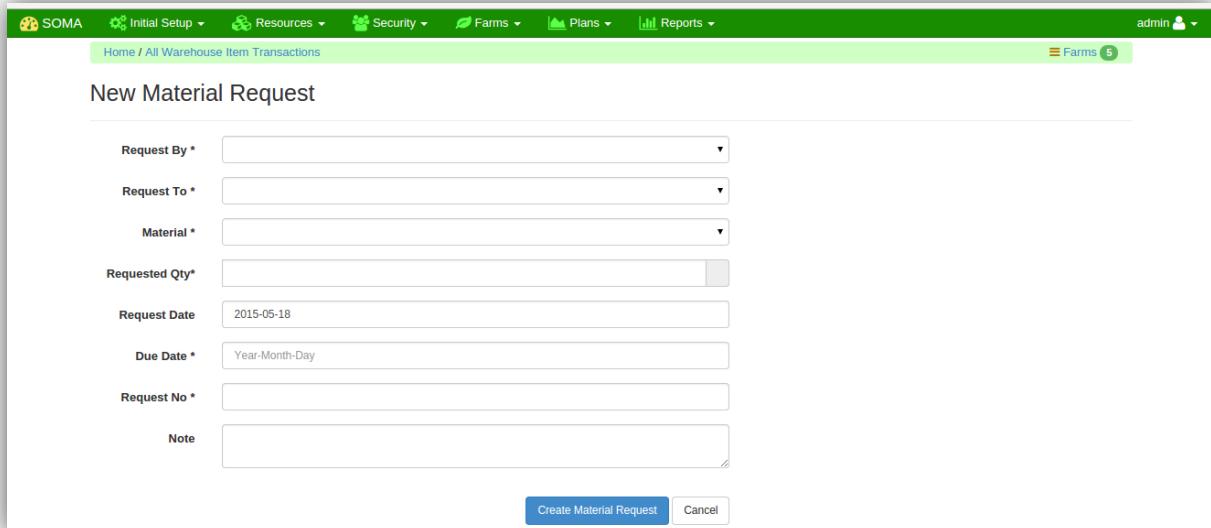


The screenshot shows a table titled "Warehouse Item Request" with the following columns: Request By, Request To, Request Date, Due Date, Request No, Material, Material Cat, Quantity, Status, and Action. There are four rows of data, each with a "View | Close" link in the Action column. The rows are highlighted with different colors: the first row is light blue, the second is yellow, the third is green, and the fourth is white. The "Material" column lists Compost, Cow Dung, Chicken Dung, and Gasoline respectively. The "Status" column shows Not Received, Partially Received, Received, and Not Received.

Request By	Request To	Request Date	Due Date	Request No	Material	Material Cat	Quantity	Status	Action
Coconut Project WH	Coconut Project WH	2015-05-18	2015-05-20	09876543	Compost	Fertilizers	4.0 ( Kg )	Not Received	<a href="#">View</a>   <a href="#">Close</a>
Coconut Project WH	Coconut Project WH	2015-05-18	2015-05-20	09876543	Cow Dung	Fertilizers	3.0 ( Kg )	Partially Received	<a href="#">View</a>   <a href="#">Close</a>
Coconut Project WH	Coconut Project WH	2015-05-18	2015-05-20	09876543	Chicken Dung	Fertilizers	5.0 ( Kg )	Received	<a href="#">View</a>   <a href="#">Close</a>
Coconut Project WH	Coconut Project WH	2015-05-18	2015-05-20	09876543	Gasoline	Other	20.0 ( L )	Not Received	<a href="#">View</a>   <a href="#">Close</a>

Figure 4.6

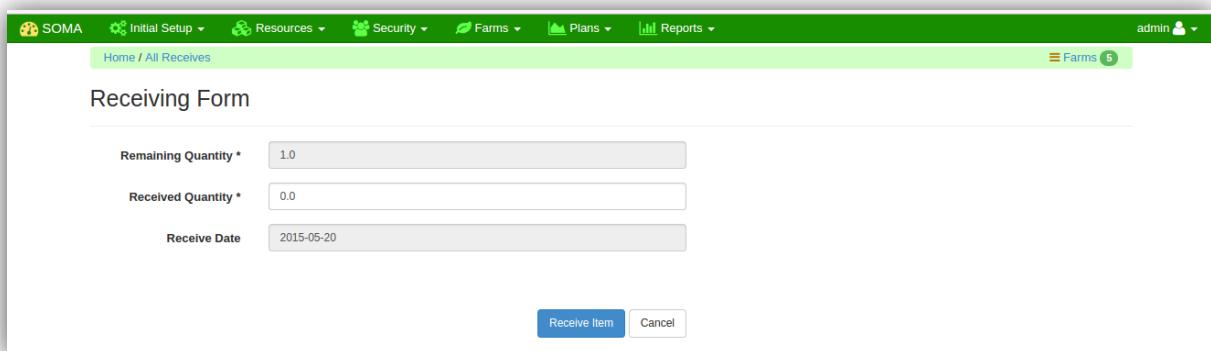
- When users click on “New Material Request” button, they will see form below (Figure 4.7)



The screenshot shows a form titled "New Material Request" with the following fields: Request By \*, Request To \*, Material \*, Requested Qty\*, Request Date (set to 2015-05-18), Due Date \* (set to Year-Month-Day), Request No \*, and Note. At the bottom are "Create Material Request" and "Cancel" buttons.

Figure 4.7

- When users click on “View” button in figure 4.6, they will see receiving form (Figure 4.8)



The screenshot shows a form titled "Receiving Form" with the following fields: Remaining Quantity \* (set to 1.0), Received Quantity \* (set to 0.0), and Receive Date (set to 2015-05-20). At the bottom are "Receive Item" and "Cancel" buttons.

Figure 4.8

- When users click on “Close” button in figure 4.6, they will see closing requested page (Figure 4.9)

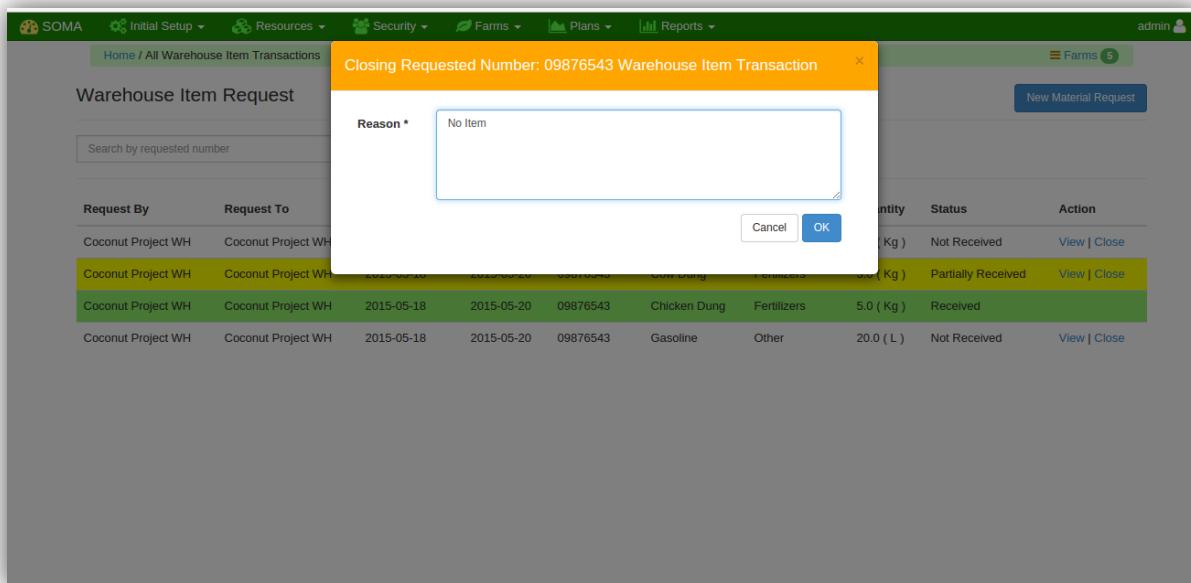


Figure 4.9

## Receive

- This feature use for showing the history of receive item from each request

Warehouse Item Receive					
Request No: 09876543 ( Received ), Requested: 11.0 , Remaining: 0.0					
Received Date	Issued By	Received By	Material	Material Category	Received Quantity
2015-05-27	Jackfruit Project WH	Coconut Project WH	Compost	Fertilizers	11.0 ( Kg )
Request No: 09876543 ( Partially Received ), Requested: 11.0 , Remaining: 6.0					
Received Date	Issued By	Received By	Material	Material Category	Received Quantity
2015-05-27	Jackfruit Project WH	Coconut Project WH	8.24.24	Fertilizers	5.0 ( Kg )
Request No: 09876543 ( Closed ), Requested: 12.0 , Remaining: 12.0					
Received Date	Issued By	Received By	Material	Material Category	Received Quantity

Figure 4.10

## 4.2. Input Tasks (Daily Input / Activities Management)

- This feature use for recording all the activities what they need and what they use in the farm.
- All the report from these activities will be shown in Report Section

Start date	End date	Task	Block	Tree amount	Labor	Reference	Action
2015-05-20	2015-05-20	00002	Block H2	191	Keven	09876543	<a href="#">View</a>
2015-05-20	2015-05-20	00001	Block A1	318	Keven	09876543	<a href="#">View</a>

Showing 1 to 2 of 2 entries

Previous 1 Next

Figure 4.11

- This page is use for adding new task or activities in the farm. For materials input box, users need to notice something. We recommend you to input the diesel as long as you have already selected the item in “Machineries” input box.

Name *	00001				
Start Date *	2015-05-28	End Date *	2015-05-28		
Farm *	Orong Farm	Zone *	Zone-I		
Area *	A	Block *	Block A1		
Project *	Jackfruit	Tree amount *	318		
Labor *	Keven				
Reference No *	09876543				
Equipments	No Items				
Machineries	No Items				
Materials *	Hydraulic Oil No. 68 X				
Hydraulic Oil No. 68	Warehouse*	Coconut P	Qty*	0	L
Note	<input type="text"/> <span style="border: 1px solid #ccc; padding: 2px;">Create Input task</span> <span style="border: 1px solid #ccc; padding: 2px;">Cancel</span>				

Figure 4.12

- For labor input box in feature 4.12, users can add more labor by click on “+” button. The system will pop up new form for input (Figure 4.12.1)

The screenshot shows a software application window titled 'SOMA'. At the top, there are several menu items: 'Initial Setup', 'Resources', 'Security', 'Farms', 'Plans', and 'Reports'. On the far right, it says 'admin' with a user icon. A modal dialog box is open in the center, titled 'Add New Labor'. Inside the dialog, there are four input fields: 'Name \*' with value 'AAA', 'Position \*' with value 'Worker', 'Gender \*' with value 'F', and two buttons at the bottom: 'Create Labor' (in blue) and 'Cancel'. In the background, there are other input fields for 'Name', 'Start Date', 'Farm', 'Area', 'Project', 'Labor', and 'Reference No'.

**Figure 4.12.1**

- This page use for showing overall information about input task that have already input

The screenshot shows a software application window titled 'SOMA'. At the top, there are several menu items: 'Initial Setup', 'Resources', 'Security', 'Farms', 'Plans', and 'Reports'. On the far right, it says 'admin' with a user icon. Below the menu, a breadcrumb navigation shows 'Home / All InputTasks'. To the right of the navigation, there is a 'Farms' section with a count of '5'. The main content area is titled 'InputTask Information'. It contains a table with two columns: 'Fields' and 'Informations'. The fields listed are: Task Name (Input task 003), Start date (2015-04-20), End date (2015-05-20), Farm - Zone - Area - Block (Chamkar Doung Farm - Zone-I - A - Block A1), Planting Project (Coconut), Tree amount (70), Labor (Default Manager), and Reference Number (A-003). Below this table, there are sections for 'Equipments' and 'Machineries'. Under 'Machineries', there is a table with four columns: Materials (Diesel), Diesel, Warehouse: Oroung Finished Goods WH, and Material Qty: 20.0 L. At the bottom of the page, there is a note: 'Copyright © 2015 CL&TAG-CAM.'

**Figure 4.13**

### 4.3. Output Tasks (Production Harvest Management)

- This feature use for recording all the productions which they can get from farm

The screenshot shows a table with columns: Start Date, End Date, Planting Project, Task Name, Reference, Farm - Block, Tree Amount, and Action. The first entry is for 'Jackfruit' on '2015-05-20' with reference '000002'. The second entry is for 'Jackfruit' on '2015-05-20' with reference '000001'. Both entries have a 'View' button in the Action column.

Start Date	End Date	Planting Project	Task Name	Reference	Farm - Block	Tree Amount	Action
2015-05-20	2015-05-20	Jackfruit	000002	08765432	Oroung Farm - Block A1	318	<a href="#">View</a>
2015-05-20	2015-05-20	Jackfruit	000001	007652	Oroung Farm - Block A2	123	<a href="#">View</a>

Figure 4.14

- When users click on “New Material Request” button, they will see input page (Figure 4.15)

The screenshot shows a form for creating a new output task. It includes fields for Name, Start Date, End Date, Farm, Area, Project, Labor, Reference No, Equipments, Note, and a distribution table for Jackfruit. The distribution table has rows for Total Production, Ripe Fruit, Good Ripe Fruit, Damaged Ripe Fruit, Spoiled Ripe Fruit, Young Fruit, To Nursery Warehouse, To Finish Good Warehouse, and Spoiled Waste. Buttons at the bottom include 'Create Output task' and 'Cancel'.

Total Production	Unit	Kg
100		
20		
10		
10		
10		
10		
10		
10		
10		

Figure 4.15

- For labor input box in feature 4.15, users can add more labor by click on “+” button. The system will pop up new form for input (Figure 4.15.1)

The screenshot shows a web-based application interface for the SOMA Farms Management System. The main window displays a form for "Home / All Output Tasks" with fields like Name, Start Date, Farm, Area, Project, Labor, Reference No., Equipments, and Note. A modal dialog box titled "Add New Labor" is overlaid on the main form. This modal contains fields for Name, Position, and Gender, each with a required asterisk. At the bottom right of the modal are two buttons: "Create Labor" (in blue) and "Cancel". The background of the main window shows some data tables and navigation menus.

**Figure 4.15.1**

- This page use for showing overall information about output task

The screenshot shows a software application titled "SOMA" with a green header bar containing navigation links: SOMA, Initial Setup, Resources, Security, Farms, Plans, and Reports. On the right side of the header, there is a user profile for "admin" and a notification badge for "Farms 5". Below the header, the main content area has a title "Output Task Information" and a table with two columns: "Fields" and "Informations". The table includes rows for Task Name (000002), Start date (2015-05-20), End date (2015-05-20), Farm - Zone - Area - Block (Oroung Farm - Zone-I - A - Block A1), Planting Project (Jackfruit), Tree amount (318), Labor (Keven), Reference Number (08765432), and Equipments (000003). A "Note" section is present but empty. Below this, another section titled "Distribution - Jackfruit" displays a table of production statistics. The table has two columns: "Category" and "Value". The categories include Total Production, Ripe Fruit, Good Ripe Fruit, Damaged Ripe Fruit, Spoiled Ripe Fruit, Young Fruit, To Nursery Warehouse, To Finish Good Warehouse, and Spoiled Waste. The values are listed in parentheses after each category, such as 100.0 (Unit) for Total Production and 0.0 (Kg) for To Finish Good Warehouse.

Fields	Informations
Task Name	000002
Start date	2015-05-20
End date	2015-05-20
Farm - Zone - Area - Block	Oroung Farm - Zone-I - A - Block A1
Planting Project	Jackfruit
Tree amount	318
Labor	Keven
Reference Number	08765432
Equipments	000003
Note	

Distribution - Jackfruit	
Total Production	100.0 ( Unit ) 1000.0 ( Kg )
Ripe Fruit	6.0 ( Unit ) 34.0 ( Kg )
Good Ripe Fruit	10.0 ( Unit ) 11.0 ( Kg )
Damaged Ripe Fruit	10.0 ( Unit ) 12.0 ( Kg )
Spoiled Ripe Fruit	14.0 ( Unit ) 12.0 ( Kg )
Young Fruit	8.0 ( Unit ) 15.0 ( Kg )
To Nursery Warehouse	16.0 ( Unit ) 0.0 ( Kg )
To Finish Good Warehouse	16.0 ( Unit ) 0.0 ( Kg )
Spoiled Waste	20.0 ( Unit ) 0.0 ( Kg )

Copyright © 2015 CL&TAG-CAM.

Cancel

**Figure 4.16**

## 5. Security Management Section

### 5.1. User Management:

- This feature use for creating new user account which can login to the system

The screenshot shows the 'User Management' page within a web application. At the top, there is a navigation bar with various icons and links: Soma, Initial Setup, Resources, Security, Farms, Plans, Reports, and a user profile for 'admin'. Below the navigation is a breadcrumb trail: Home / All Users. A 'New User' button is located in the top right corner. The main content area is titled 'User Management' and contains a table with the following data:

Labor	Email	Group	Active	Actions
Default Manager	admin@ctag.com	Administrator	<a href="#">active</a>   <a href="#">deactivate</a>	<a href="#">Edit</a>
Default Manager	ngok@somagroup.com.kh	Administrator	<a href="#">active</a>   <a href="#">deactivate</a>	<a href="#">Edit</a>
Default Manager	nhek@somagroup.com.kh	Administrator	<a href="#">active</a>   <a href="#">deactivate</a>	<a href="#">Edit</a>
Default Manager	peap@somagroup.com.kh	Administrator	<a href="#">active</a>   <a href="#">deactivate</a>	<a href="#">Edit</a>

Below the table, it says 'Showing 1 to 4 of 4 entries'. At the bottom right are 'Previous' and 'Next' buttons.

Figure 5.1

- When users click on “New User” button, they will see input page (Figure 5.2)

The screenshot shows the 'New' user creation form. The title 'New' is at the top left. The form fields are as follows:

- Labor \*: A dropdown menu currently showing 'Default Manager'.
- Login Email \*: An input field containing 'admin@ctag.com'.
- Password \*: An input field with placeholder text 'Password must be at least 8 characters'.
- Confirm Password \*: An input field with placeholder text 'Password must be at least 8 characters'.
- User Group \*: A dropdown menu currently showing 'Administrator'.
- Active: A checkbox that is checked.

At the bottom right are 'Create User' and 'Cancel' buttons.

Figure 5.2

- If the users want to change the content, they can click on the “Edit” button

The screenshot shows the 'Edit' user form. The title 'Edit' is at the top left. The form fields are the same as the 'New' form:

- Labor \*: A dropdown menu currently showing 'Default Manager'.
- Login Email \*: An input field containing 'admin@ctag.com'.
- User Group \*: A dropdown menu currently showing 'Administrator'.
- Active: A checkbox that is checked.

At the bottom right are 'Update User' and 'Cancel' buttons.

Figure 5.3

## 5.2. User Group Management:

- This feature use for classify all users in system and for provide the permission to the user.

The screenshot shows a user management interface. At the top, there are navigation links: Soma, Initial Setup, Resources, Security, Farms, Plans, Reports, and a user account icon for 'admin'. Below the header, a green bar displays 'Home / All Users' and 'Farms 5'. The main area is titled 'User Management' with a 'New User' button. A table lists four users: Default Manager, Kevin, Pheth, and Piseth. The table columns are Labor, Email, Group, Active, and Actions. Each user row includes an 'active' link with a deactivate button and an 'Edit' button. Below the table, it says 'Showing 1 to 4 of 4 entries' and has navigation buttons for Previous, 1, and Next.

Labor	Email	Group	Active	Actions
Default Manager	admin@cltag.com	Administrator	active   deactivate	Edit
Kevin	ngok@somagroup.com.kh	Administrator	active   deactivate	Edit
Pheth	nhek@somagroup.com.kh	Administrator	active   deactivate	Edit
Piseth	peap@somagroup.com.kh	Administrator	active   deactivate	Edit

Figure 5.3

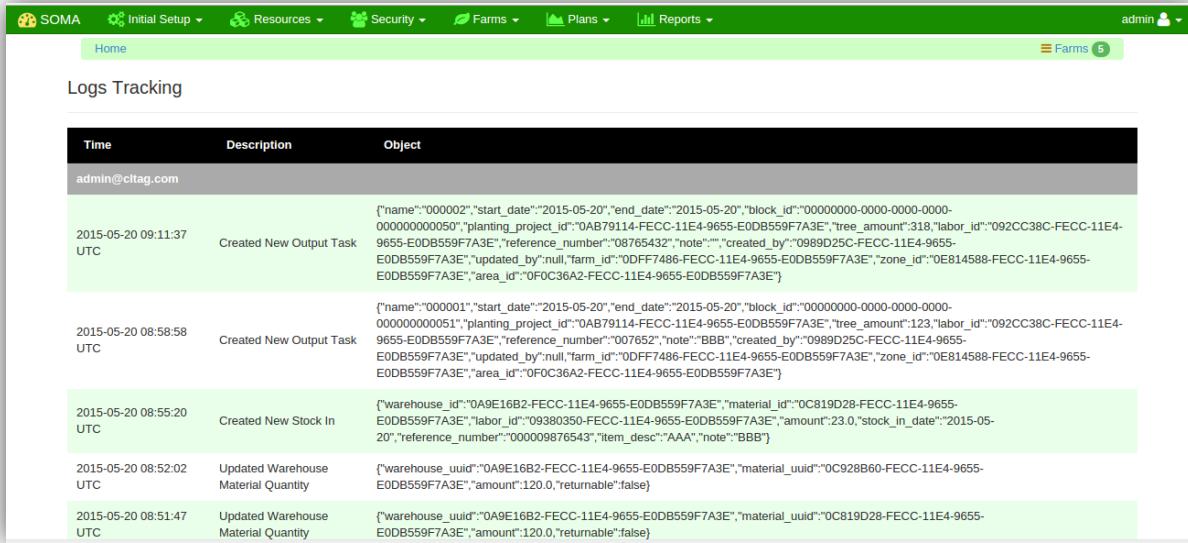
- When users click on “New User Group” button, they will see form below (Figure 5.4)

The screenshot shows a 'New' user group creation form. At the top, there are navigation links: Soma, Initial Setup, Resources, Security, Farms, Plans, Reports, and a user account icon for 'admin'. Below the header, a green bar displays 'Home / All User Groups' and 'Farms 5'. The main area is titled 'New' with a 'Create User group' button and a 'Cancel' button. The form has three fields: 'Name \*' with an input field, 'Note' with a text area, and 'Active' with a checked checkbox. The 'Active' checkbox is currently checked.

Figure 5.4

### 5.3. Log Tracking System:

- This feature use for tracking all the activities of user in system about what they have done in the system.



Time	Description	Object
<b>admin@cttag.com</b>		
2015-05-20 09:11:37 UTC	Created New Output Task	{"name":"000002","start_date":"2015-05-20","end_date":"2015-05-20","block_id":"00000000-0000-0000-0000-000000000050","planting_project_id":"0AB79114-FECC-11E4-9655-E0DB559F7A3E","tree_amount":318,"labor_id":"092CC38C-FECC-11E4-9655-E0DB559F7A3E","reference_number":"08765432","note":"","created_by":"0989D25C-FECC-11E4-9655-E0DB559F7A3E","updated_by":null,"farm_id":"0DF7486-FECC-11E4-9655-E0DB559F7A3E","zone_id":"0E814588-FECC-11E4-9655-E0DB559F7A3E","area_id":"0FOC36A2-FECC-11E4-9655-E0DB559F7A3E"}
2015-05-20 08:58:58 UTC	Created New Output Task	{"name":"000001","start_date":"2015-05-20","end_date":"2015-05-20","block_id":"00000000-0000-0000-0000-000000000051","planting_project_id":"0AB79114-FECC-11E4-9655-E0DB559F7A3E","tree_amount":123,"labor_id":"092CC38C-FECC-11E4-9655-E0DB559F7A3E","reference_number":"007652","note":"BBB","created_by":"0989D25C-FECC-11E4-9655-E0DB559F7A3E","updated_by":null,"farm_id":"0DF7486-FECC-11E4-9655-E0DB559F7A3E","zone_id":"0E814588-FECC-11E4-9655-E0DB559F7A3E","area_id":"0FOC36A2-FECC-11E4-9655-E0DB559F7A3E"}
2015-05-20 08:55:20 UTC	Created New Stock In	{"warehouse_id":"0A9E16B2-FECC-11E4-9655-E0DB559F7A3E","material_id":"0C819D28-FECC-11E4-9655-E0DB559F7A3E","labor_id":"09380350-FECC-11E4-9655-E0DB559F7A3E","amount":23.0,"stock_in_date":"2015-05-20","reference_number":"000009876543","item_desc":"AAA","note":"BBB"}
2015-05-20 08:52:02 UTC	Updated Warehouse Material Quantity	{"warehouse_uuid":"0A9E16B2-FECC-11E4-9655-E0DB559F7A3E","material_uuid":"0C928B60-FECC-11E4-9655-E0DB559F7A3E","amount":120.0,"returnable":false}
2015-05-20 08:51:47 UTC	Updated Warehouse Material Quantity	{"warehouse_uuid":"0A9E16B2-FECC-11E4-9655-E0DB559F7A3E","material_uuid":"0C819D28-FECC-11E4-9655-E0DB559F7A3E","amount":120.0,"returnable":false}

Figure 5.5

## 6. Farm Management Section

This feature uses Google map to show the farm. This feature will show us about how many farms we manage. When we click on each farm it will show how many blocks that we have in which Zone and Area and other information in that block. User can edit or delete the block.

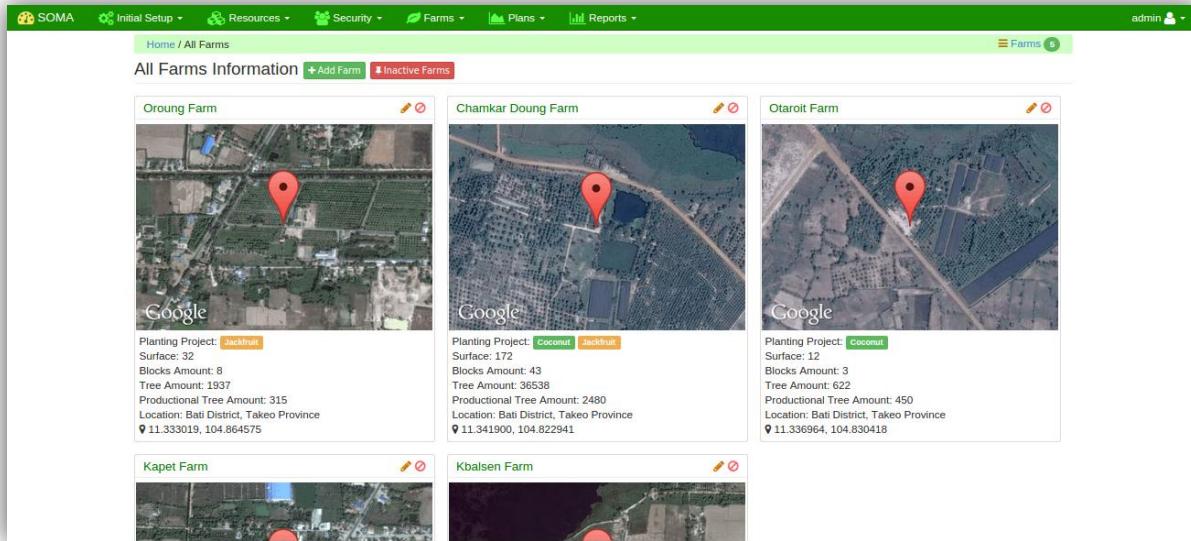


Figure 6.1

- After users click on one farm, the system will show the general information of the farm and also the amount of block inside that farm

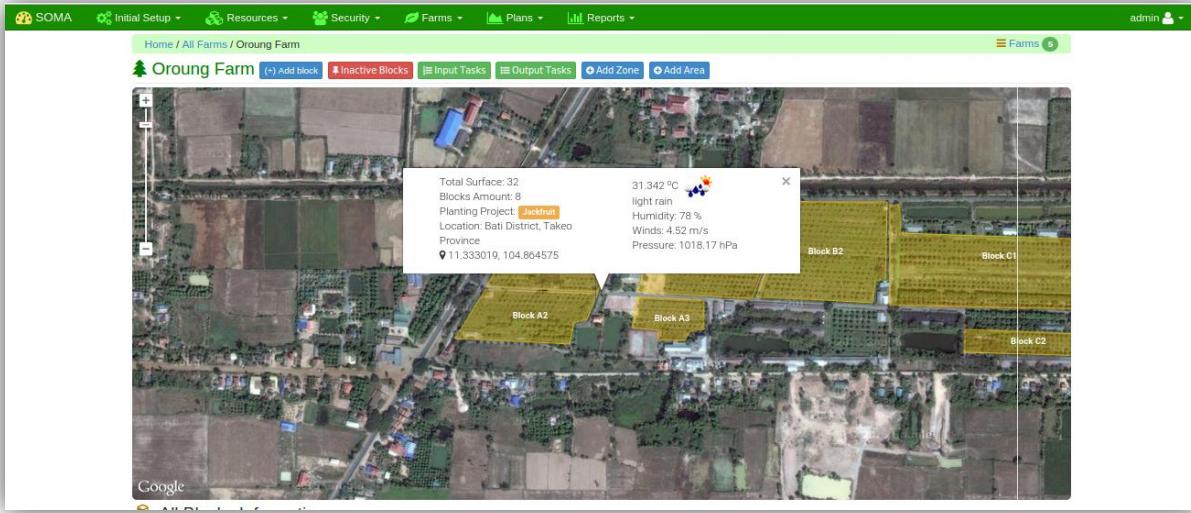
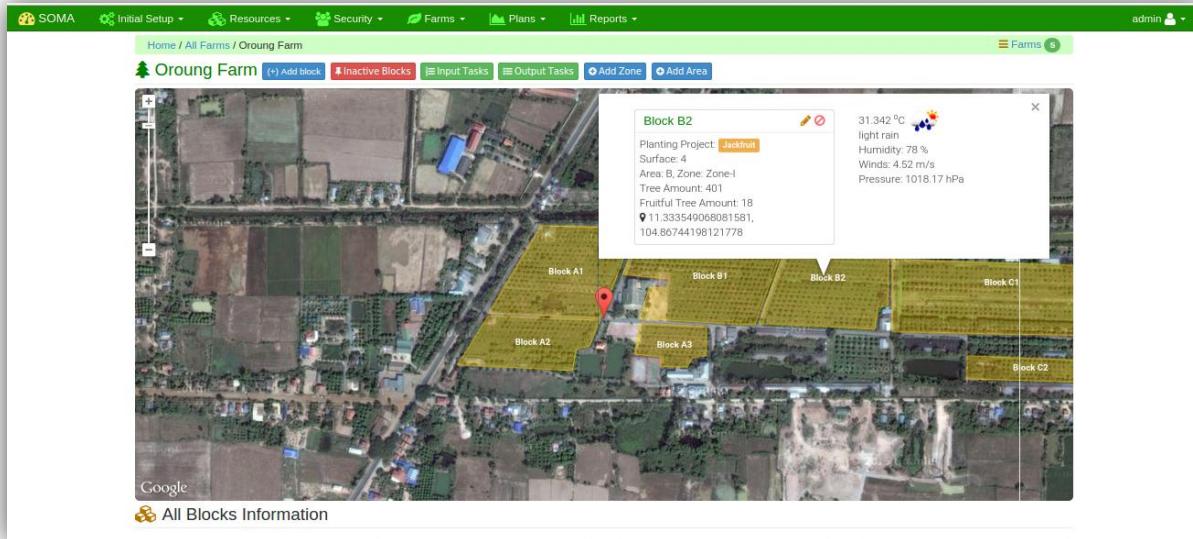


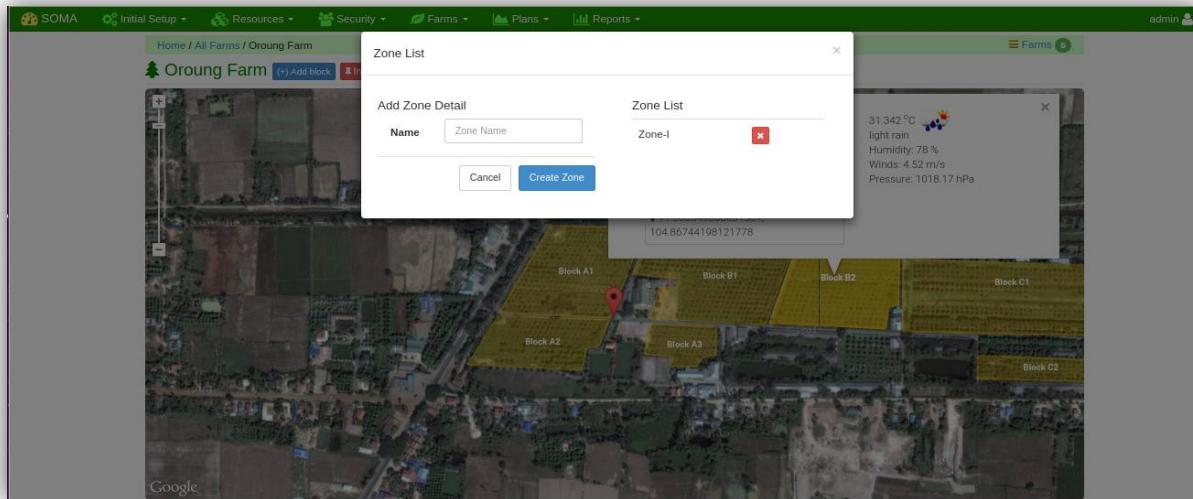
Figure 6.2

- When the users click on each block in figure 6.2, the system will show information of that block (figure 6.3)



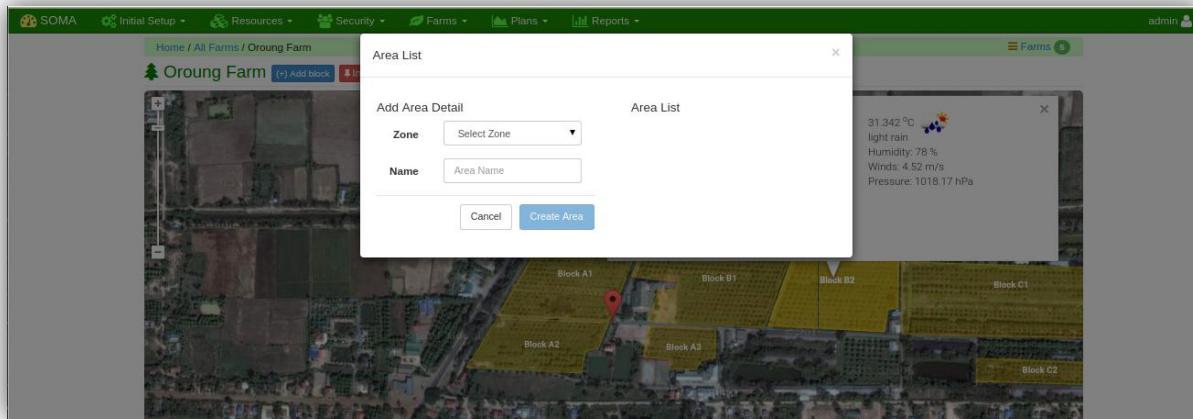
**Figure 6.3**

- When users click on “Add Zone” button in figure 6.3, they will see input page (Figure 6.4)



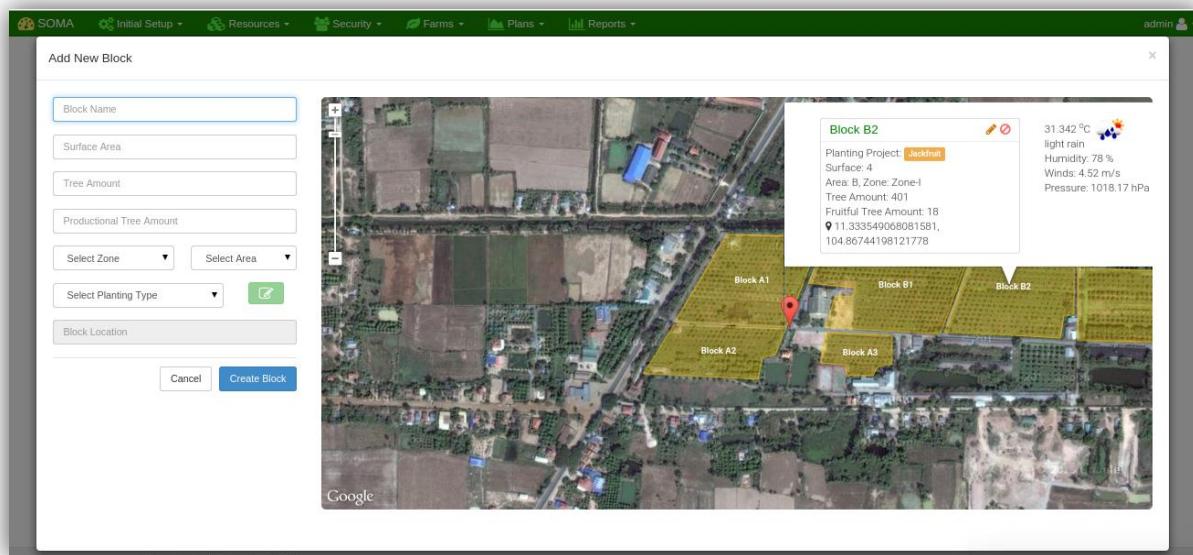
**Figure 6.4**

- When users click on “Add Area” button in figure 6.3, they will see input page (Figure 6.5)



**Figure 6.5**

- When users click on “Add Block” button in figure 6.3, they will see input page (Figure 6.6)



**Figure 6.6**

## 7. Plan Management Section

### 7.1. Location

#### Location Plan

- This feature use for creating a plan for the farm production

The screenshot shows a table titled "Locations Plan" with columns: Name, Project, Year, Phase, Stage, Active, and Action. The first entry is "Oroung Farm" with Project "Coconut", Year "2015", Phase "Phase 2: Plant Growing & Protection", Stage "Stage1: Age 1-2 Years", Active "active | deactivate", and Action "Edit". The second entry is "Chamkar Doung Farm" with similar details. A search bar and pagination controls are at the bottom.

Name	Project	Year	Phase	Stage	Active	Action
Oroung Farm	Coconut	2015	Phase 2: Plant Growing & Protection	Stage1: Age 1-2 Years	active   deactivate	Edit
Chamkar Doung Farm	Coconut	2015	Phase 1: Nursery Seed	Seed Amount	active   deactivate	Edit

Figure 7.1

- When users click on “New Location Plan” button in figure 7.1, they will see input page (Figure 7.2)

The screenshot shows a form titled "New" with fields for Name (Oroung Farm), Project (Coconut), Year (2015), Phase (Phase 1: Nursery Seed), Stage (Seed Amount), and a "Remark" text area. It is divided into two sections: "1. New Planting" and "2. Seed Replace". Each section has a "Zone-I" header and a grid for "Area: A", "Area: B", and "Area: C" with "Block A1", "Block A2", and "Block A3" sub-blocks, each with an "Amount" input field. At the bottom are "Create Plan farm" and "Cancel" buttons.

Figure 7.2

## Location Report

- This feature use for generating a report from the information in “Location Planning section”

The screenshot shows a web-based application interface for a location report. At the top, there is a navigation bar with links for SOMA, Initial Setup, Resources, Security, Farms, Plans, Reports, and a user account. Below the navigation bar, there is a search/filter section with fields for Farm (Oroung Farm), Project (Coconut), Year (2015), and a Filter button. The main content area contains a large table with the following columns:

Classification	Status	UOM	Location			Total	Remark
			Oroung Farm				
			Zone-I				
A	B	C					
<b>Phase 1: Nursery Seed</b>							
Seed Amount	New Planting	Unit				0	
	Seed Replace	Unit				0	
<b>Phase 2: Plant Growing &amp; Protection</b>							
Stage1: Age 1-2 Years	Non-Fruit	Unit	30	26	39	95	
	Non-Fruit	Unit				0	
	Blossoming Tree	Unit				0	
<b>Phase 3: Harvesting</b>							
Stage1: 5-15 Years	Non-Fruit	Unit				0	
	Blossoming Tree	Unit				0	

At the bottom left of the table, there is a copyright notice: "Copyright © 2015 CL&TAG-CAM."

**Figure 7.3**

## 7.2. Productions

### Production Standard

- This feature use for input all the information from in each month as a standard to compare with planning

The screenshot shows a web-based application interface for production standards. At the top, there is a navigation bar with links for SOMA, Initial Setup, Resources, Security, Farms, Plans, Reports, and a user account. Below the navigation bar, there is a search/filter section with a "New Production Standard" button. The main content area contains a table with the following columns:

Planting Project Type	Year	Jan	Feb	Mar	Action
Coconut	2015	14.0	12.0	23.0	Edit
Coconut	2016	32.0	21.0	53.0	Edit

At the bottom left of the table, it says "Showing 1 to 2 of 2 entries". At the bottom right, there are buttons for "Previous", "Next", and page number "1".

**Figure 7.4**

- When users click on “New Production Standard” button in figure 7.4, they will see form below (Figure 7.5)

New

Project Name: Coconut Year: 2015

	January	February	March	April	May	June	July	August	September	October	November	December
14	12	23	12	23	13	12	34	43	12	54	23	

**Create Production standard** **Cancel**

**Figure 7.5**

### Production Plan

- This feature use for input all the information in each month as a plan in the production phase

Production Plans

Production plan saved successfully

Planting Project Type	Year	Jan	Feb	Mar	Action
Coconut	2015	12.0	31.0	23.0	Edit
Coconut	2016	31.0	56.0	72.0	Edit

Show 10 entries Search:

Showing 1 to 2 of 2 entries Previous **1** Next

**Figure 7.6**

- When users click on “New Production Plan” button in figure 7.6, they will see form below (Figure 7.7)

New

Project Name: Coconut Year: 2015

**1. Production Forecasting**

	January	February	March	April	May	June	July	August	September	October	November	December
31	56	72	55	85	22	34	11	62	34	23	34	

**2. Production Classification**

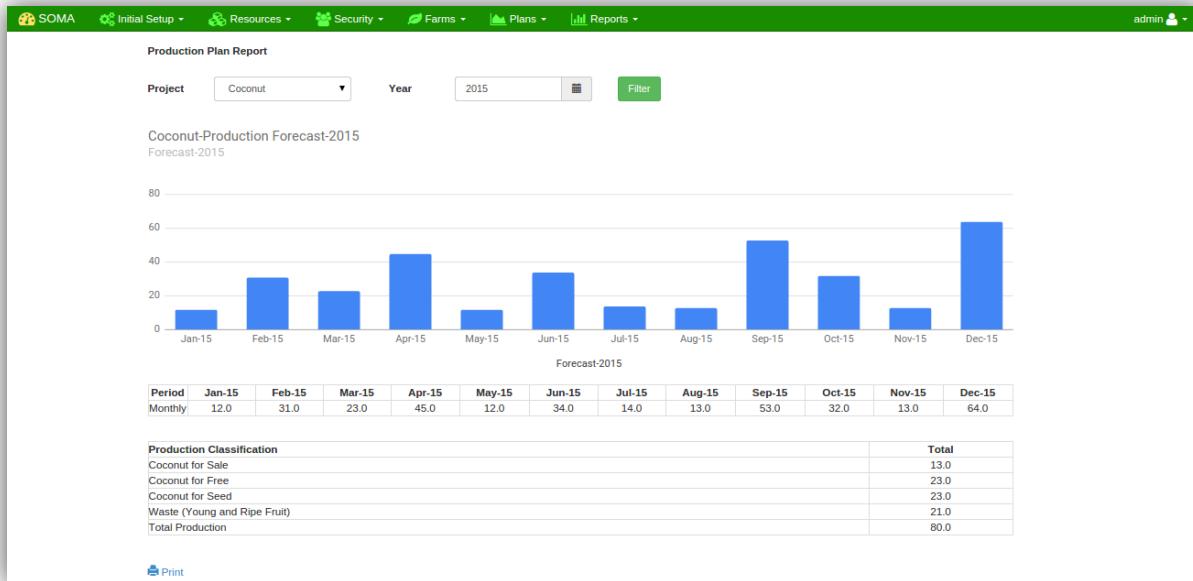
Coconut for Sale	Coconut for Free	Coconut for Seed	Waste (Young and Ripe Fruit)
12	23	12	23

**Create Production plan** **Cancel**

**Figure 7.7**

## Production Report

- This feature use for generating report for production planning



**Figure 7.8**

-This the print preview from figure 7.8



**Figure 7.9**

## 8. Reports

### 8.1. Input Use report

- This feature use for generating the report from input task for both Coconut and Jackfruit project
- Can be sort according to date, month, year or customized period

The screenshot shows a web-based application interface for a farm management system. At the top, there is a navigation bar with links for Soma, Initial Setup, Resources, Security, Farms, Plans, Reports, and a user account labeled 'admin'. Below the navigation bar, a green header bar displays the title 'Input Use Report' and a link to 'Home'. On the right side of the header, there is a 'Farms' button with a count of 5. The main content area contains a table titled 'Materials' with columns for 'Materials', 'UOM', and 'Total'. The table is divided into sections for 'Fertilizers' and 'Pest & Insecticides'. Under 'Fertilizers', items listed include Compost, Chicken Dung, Cow Dung, 8.24.24, Salt, 15-15-15, Magnesium, Ask (I&I), and Urea. Under 'Pest & Insecticides', items listed include Cyperan, Monocrotophos, and Moneotrophos. The 'Total' column shows values such as 4.0, 2.0, 4.0, 5.0, 7.0, 3.0, 0, 3.0, 0, 0, 0, and 0.

Materials	UOM	Total
<b>Fertilizers</b>		
Compost	Kg	4.0
Chicken Dung	Kg	2.0
Cow Dung	Kg	4.0
8.24.24	Kg	5.0
Salt	Kg	7.0
15-15-15	Kg	3.0
Magnesium	Kg	0
Ask (I&I)	Kg	3.0
Urea	Kg	0
<b>Pest &amp; Insecticides</b>		
Cyperan	L	0
Monocrotophos	L	0
Moneotrophos	L	0

Figure 8.1

### 8.2. Productivity

- This feature use for generating the report for the production which based on Coconut and Jackfruit Project

The screenshot shows a web-based application interface for a farm management system. At the top, there is a navigation bar with links for Soma, Initial Setup, Resources, Security, Farms, Plans, Reports, and a user account labeled 'admin'. Below the navigation bar, a green header bar displays the title 'Productivity Report - Jackfruit' and a link to 'Home'. On the right side of the header, there is a 'Farms' button with a count of 5. The main content area contains a table titled 'Total Production' with columns for Farm, Zone, Area, Unit, and various production metrics. The table is divided into sections for 'Young Fruit' and 'Ripe Fruit' (Good, Damaged, Spoiled). The 'Production Distribution' section includes columns for To Finish goods Warehouse, Spoiled Waste, To Nursery Warehouse, Total Distribution, and Loss. The table shows data for Oroung Farm across three zones (Zone-I, Zone-II, Zone-III) and three units (A, B, C). The 'Total' row at the bottom summarizes the data. A 'Print Report' button is located at the bottom right of the table area.

Farm	Zone	Area	Unit	Total Production					Production Distribution							
				Young Fruit			Ripe Fruit		Total	To Finish goods Warehouse	Spoiled Waste	To Nursery Warehouse	Total Distribution	Loss		
				Good	Damaged	Spoiled										
Oroung Farm	Zone-I	A	Unit	2125.0	1431.0	2135.0	3241.0	8932.0	4362.0	2345.0	34526.0	41233.0	-32301.0			
			Kg	43262.0	3214.0	3512.0	2141.0	52129.0	2423.0	3415.0	4352.0	10190.0	41939.0			
		B	Unit	0	0	0	0	0	0	0	0	0	0	0	0	
		C	Unit	0	0	0	0	0	0	0	0	0	0	0	0	
			Kg	0	0	0	0	0	0	0	0	0	0	0	0	
	Zone-II	Zone-II	Total:	Unit	2125.0	1431.0	2135.0	3241.0	8932.0	4362.0	2345.0	34526.0	41233.0	-32301.0		
			Kg	43262.0	3214.0	3512.0	2141.0	52129.0	2423.0	3415.0	4352.0	10190.0	41939.0			

Figure 8.2

- This is print preview page from figure 8.2

Productivity Report - Jackfruit														
Farm	Zone	Area	Unit	Total Production					Production Distribution					
				Young Fruit		Ripe Fruit			Total	To Finish goods Warehouse		Spoiled Waste	To Nursery Warehouse	Total Distribution
Oroung Farm	Zone-I	A	Unit Kg	2125.0	1431.0	2135.0	3241.0	8932.0	4362.0	2345.0	34526.0	41233.0	10190.0	-32301.0
		B	Unit Kg	0	0	0	0	0	0	0	0	0	0	0
		C	Unit Kg	0	0	0	0	0	0	0	0	0	0	0
		Total:	Unit Kg	2125.0	1431.0	2135.0	3241.0	8932.0	4362.0	2345.0	34526.0	41233.0	10190.0	-32301.0

[Print] [Close] [Search] [Help]

Figure 8.3

### 8.3. Classification

- This feature use for generating the report for the classification which based on Coconut and Jackfruit project.

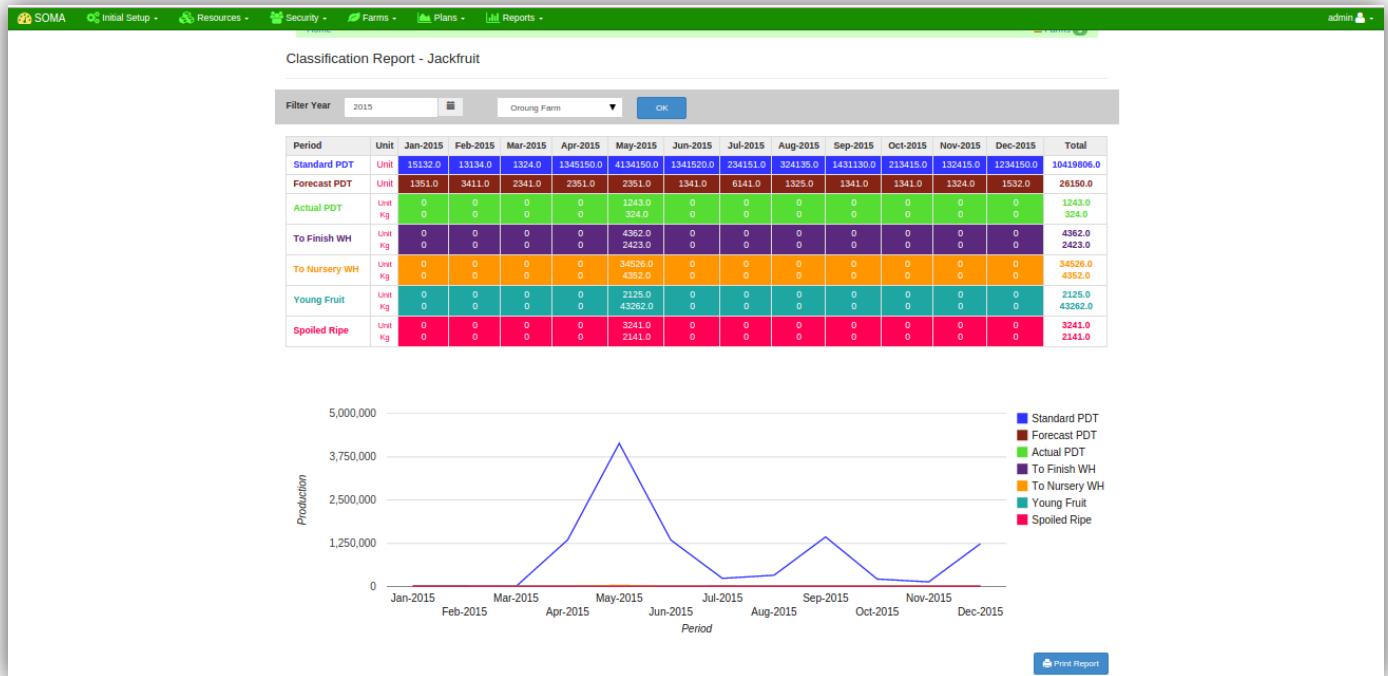


Figure 8.4

- This is print preview page from figure 8.4

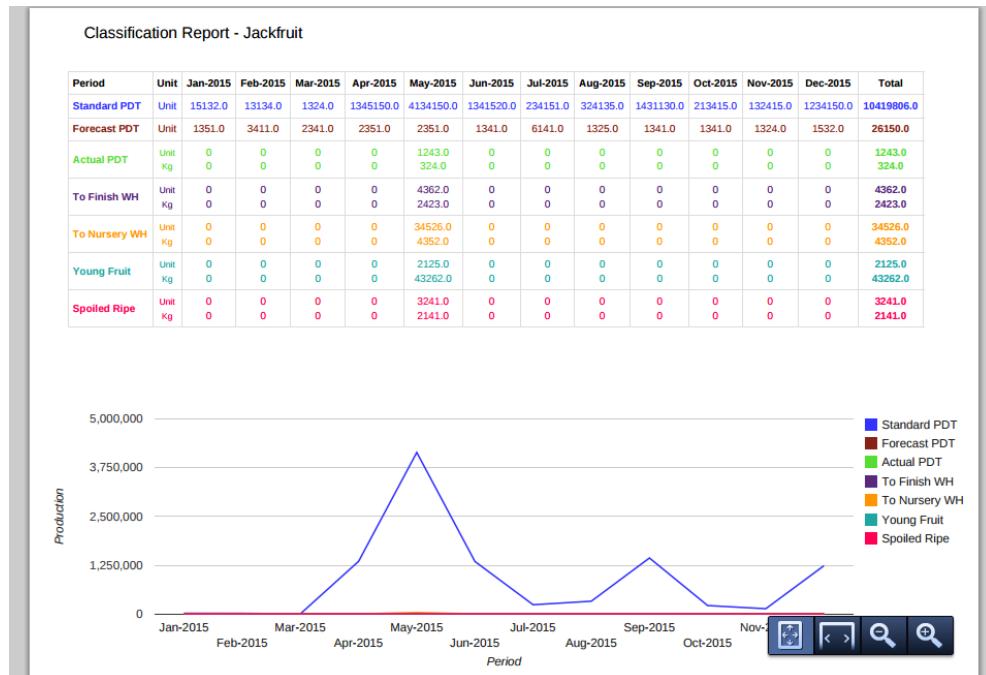


Figure 8.5

#### 8.4. Inventory Adjust Form

- This feature use for closing Materials' balance at the end of each month.
- This form can be filtered by Month & Project Warehouse
- Beginning balance get from user manual input in Materials' Beginning Balance form
- Stock In gets from sum of every stock in transaction in specific month
- Stock out gets from sum of every input task in specific month

SOMA Initial Setup Resources Security Farms Plans Reports admin

Home Farms 5

Adjust Materials' Balance

Select Month:	05-2015	Select Warehouse:	Jackfruit Project WH	OK
---------------	---------	-------------------	----------------------	----

Fertilizers

Material Name	Beginning Balance	Stock In	Stock Out	Ending Balance	Adjusted Balance	Note
Compost	123.0 Kg	0.0 Kg	0.0 Kg	123.0 Kg	123.0 Kg	
Chicken Dung	524.0 Kg	0.0 Kg	0.0 Kg	524.0 Kg	524.0 Kg	
Cow Dung	245.0 Kg	0.0 Kg	0.0 Kg	245.0 Kg	245.0 Kg	
8.24.24	321.0 Kg	0.0 Kg	0.0 Kg	321.0 Kg	321.0 Kg	
Salt	145.0 Kg	0.0 Kg	0.0 Kg	145.0 Kg	145.0 Kg	
15-15-15	154.0 Kg	0.0 Kg	0.0 Kg	154.0 Kg	154.0 Kg	
Magnesium	1534.0 Kg	0.0 Kg	0.0 Kg	1534.0 Kg	1534.0 Kg	
Ask (迟)	1234.0 Kg	0.0 Kg	0.0 Kg	1234.0 Kg	1234.0 Kg	
Urea	414.0 Kg	0.0 Kg	0.0 Kg	414.0 Kg	414.0 Kg	

Pest & Insecticides

Material Name	Beginning Balance	Stock In	Stock Out	Ending Balance	Adjusted Balance	Note
Cyperan	0.0 L	0.0 L	0.0 L	0.0 L	0.0 L	
Monocrothophos	0.0 L	0.0 L	0.0 L	0.0 L	0.0 L	
Monotophos	0.0 L	0.0 L	0.0 L	0.0 L	0.0 L	
Mevinphos	0.0 L	0.0 L	0.0 L	0.0 L	0.0 L	
Furadan	0.0 Kg	0.0 Kg	0.0 Kg	0.0 Kg	0.0 Kg	
Vifuran	0.0 Kg	0.0 Kg	0.0 Kg	0.0 Kg	0.0 Kg	
Abamectin	0.0 L	0.0 L	0.0 L	0.0 L	0.0 L	
Chlorpyrifos	0.0 mL	0.0 mL	0.0 mL	0.0 mL	0.0 mL	

Fungicides

Material Name	Beginning Balance	Stock In	Stock Out	Ending Balance	Adjusted Balance	Note
Antracol	0.0 Kg	0.0 Kg	0.0 Kg	0.0 Kg	0.0 Kg	
Mancozeb	0.0 Kg	0.0 Kg	0.0 Kg	0.0 Kg	0.0 Kg	
Zineb	0.0 Kg	0.0 Kg	0.0 Kg	0.0 Kg	0.0 Kg	
Copper Fungicide	0.0 Kg	0.0 Kg	0.0 Kg	0.0 Kg	0.0 Kg	

Herbicides

Material Name	Beginning Balance	Stock In	Stock Out	Ending Balance	Adjusted Balance	Note
Niphosate	0.0 L	0.0 L	0.0 L	0.0 L	0.0 L	
Newsate	0.0 L	0.0 L	0.0 L	0.0 L	0.0 L	
Glyphosan	0.0 L	0.0 L	0.0 L	0.0 L	0.0 L	

Indirect Materials

Material Name	Beginning Balance	Stock In	Stock Out	Ending Balance	Adjusted Balance	Note
Diesel	0.0 L	0.0 L	0.0 L	0.0 L	0.0 L	
Engine Oil No. 40	0.0 L	0.0 L	0.0 L	0.0 L	0.0 L	

Other

Material Name	Beginning Balance	Stock In	Stock Out	Ending Balance	Adjusted Balance	Note
Engine Oil No. 50	0.0 L	0.0 L	0.0 L	0.0 L	0.0 L	
Hydraulic Oil No. 68	0.0 L	0.0 L	0.0 L	0.0 L	0.0 L	
Gear Oil No. 90	0.0 L	0.0 L	0.0 L	0.0 L	0.0 L	
Lubricant No. 140	0.0 L	0.0 L	0.0 L	0.0 L	0.0 L	
Brake Oil	0.0 L	0.0 L	0.0 L	0.0 L	0.0 L	
Gasoline	0.0 L	0.0 L	0.0 L	0.0 L	0.0 L	
Seed	0.0 Unit	0.0 Unit	0.0 Unit	0.0 Unit	0.0 Unit	

Submit

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Figure 8.6

## 8.5. Inventory Summary Report

- This feature use for display list of materials' balance in specific month. It also can be filtered by Month and Project warehouse

Nº	Material Name	UOM	Beginning Balance	Stock In	Stock Out	Ending Balance	Adjusted Balance
1	15-15-15	Kg	154.0	0.0	0.0	154.0	154.0
2	8.24.24	Kg	321.0	0.0	0.0	321.0	321.0
3	Abamectin	L	0.0	0.0	0.0	0.0	0.0
4	Antracol	Kg	0.0	0.0	0.0	0.0	0.0
5	Ask (آسک)	Kg	1234.0	0.0	0.0	1234.0	1234.0
6	Brake Oil	L	0.0	0.0	0.0	0.0	0.0
7	Chicken Dung	Kg	524.0	0.0	0.0	524.0	524.0
8	Chlorpyrifos	mL	0.0	0.0	0.0	0.0	0.0
9	Compost	Kg	123.0	0.0	0.0	123.0	123.0
10	Copper Fungicide	Kg	0.0	0.0	0.0	0.0	0.0
11	Cow Dung	Kg	245.0	0.0	0.0	245.0	245.0
12	Cyperan	L	0.0	0.0	0.0	0.0	0.0
13	Diesel	L	0.0	0.0	0.0	0.0	0.0
14	Engine Oil No. 40	L	0.0	0.0	0.0	0.0	0.0
15	Engine Oil No. 50	L	0.0	0.0	0.0	0.0	0.0
16	Furadan	Kg	0.0	0.0	0.0	0.0	0.0
17	Gasoline	L	0.0	0.0	0.0	0.0	0.0
18	Gear Oil No. 90	L	0.0	0.0	0.0	0.0	0.0
19	Glyphosan	L	0.0	0.0	0.0	0.0	0.0
20	Hydraulic Oil No. 68	L	0.0	0.0	0.0	0.0	0.0
21	Lubricant No. 140	L	0.0	0.0	0.0	0.0	0.0
22	Magnesium	Kg	0.0	0.0	0.0	0.0	0.0
23	Mancozeb	Kg	0.0	0.0	0.0	0.0	0.0
24	Mevinphos	L	0.0	0.0	0.0	0.0	0.0
25	Monocrotophos	L	0.0	0.0	0.0	0.0	0.0
26	Monotophos	L	0.0	0.0	0.0	0.0	0.0
27	Newsate	L	0.0	0.0	0.0	0.0	0.0
28	Niphosate	L	0.0	0.0	0.0	0.0	0.0
29	Salt	Kg	0.0	0.0	0.0	0.0	0.0
30	Seed	Unit	0.0	0.0	0.0	0.0	0.0
31	Urea	Kg	0.0	0.0	0.0	0.0	0.0
32	Vifuran	Kg	0.0	0.0	0.0	0.0	0.0
33	Zineb	Kg	0.0	0.0	0.0	0.0	0.0

Print Report

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Figure 8.7

- This is print preview page from figure 8.7

Inventory Report							
Nº	Material Name	UOM	Beginning Balance	Stock In	Stock Out	Ending Balance	Adjusted Balance
1	15-15-15	Kg	154.0	0.0	0.0	154.0	154.0
2	8.24.24	Kg	321.0	0.0	0.0	321.0	321.0
3	Abamectin	L	0.0	0.0	0.0	0.0	0.0
4	Antracol	Kg	0.0	0.0	0.0	0.0	0.0
5	Ask (İtil)	Kg	1234.0	0.0	0.0	1234.0	1234.0
6	Brake Oil	L	0.0	0.0	0.0	0.0	0.0
7	Chicken Dung	Kg	524.0	0.0	0.0	524.0	524.0
8	Chlorpyrifos	mL	0.0	0.0	0.0	0.0	0.0
9	Compost	Kg	123.0	0.0	0.0	123.0	123.0
10	Copper Fungicide	Kg	0.0	0.0	0.0	0.0	0.0
11	Cow Dung	Kg	245.0	0.0	0.0	245.0	245.0
12	Cyperan	L	0.0	0.0	0.0	0.0	0.0
13	Diesel	L	0.0	0.0	0.0	0.0	0.0
14	Engine Oil No. 40	L	0.0	0.0	0.0	0.0	0.0
15	Engine Oil No. 50	L	0.0	0.0	0.0	0.0	0.0
16	Furadan	Kg	0.0	0.0	0.0	0.0	0.0
17	Gasoline	L	0.0	0.0	0.0	0.0	0.0
18	Gear Oil No. 90	L	0.0	0.0	0.0	0.0	0.0
19	Glyphosan	L	0.0	0.0	0.0	0.0	0.0
20	Hydraulic Oil No. 68	L	0.0	0.0	0.0	0.0	0.0
21	Lubricant Oil. 140	L	0.0	0.0	0.0	0.0	0.0
22	Magnesium	Kg	1534.0	0.0	0.0	1534.0	1534.0
23	Mancozeb	Kg	0.0	0.0	0.0	0.0	0.0
24	Mevinphos	L	0.0	0.0	0.0	0.0	0.0
25	Monocrothophos	L	0.0	0.0	0.0	0.0	0.0
26	Monotophos	L	0.0	0.0	0.0	0.0	0.0
27	Newstate	L	0.0	0.0	0.0	0.0	0.0
28	Niphosate	L	0.0	0.0	0.0	0.0	0.0
29	Salt	Kg	0.0	0.0	0.0	0.0	0.0
30	Seed	Unit	0.0	0.0	0.0	0.0	0.0
31	Urea	Kg	0.0	0.0	0.0	0.0	0.0
32	Vitran	Kg	0.0	0.0	0.0	0.0	0.0
33	Zineb	Kg	0.0	0.0	0.0	0.0	0.0

Figure 8.8

## 9. User Profile

### 9.1 Dashboard

On top navigation menu, user can access three features such as view their profile, change their password and sign out from the system.

The screenshot shows the SOMA application dashboard. At the top, there is a navigation bar with links for Initial Setup, Resources, Security, Farms, Plans, Reports, and a user account for 'admin'. On the right side of the header, there are buttons for 'My Profile', 'Setting', and 'Sign Out'. The main content area is divided into several sections:

- Farms:** A table listing four farms: Oroung Farm, Chamkar Doung Farm, Otaroit Farm, and Kapet Farm, each with a weather icon and a search icon.
- Projects:** A section for 'Coconut' which lists Chamkar Doung Farm with a total surface of 168 and 36300 trees. It also lists Otaroit Farm with a total surface of 12 and 622 trees. A section for 'Jackfruit' lists Chamkar Doung Farm.
- Recent Activities:** A list of tasks for 'Coconut' and 'Jackfruit' from April 20, 2015, including 'Input task 003' for Block A1, 'Input task 004' for Block B1, 'Input task 0002' for Block A1, 'Input task 0001' for Block A1, and 'Input task 002' for Block A2.
- Yield Overview:** A bar chart titled 'Coconut Production 2015' comparing two blocks. The blue bar represents Block A1 at approximately 250 units, and the red bar represents Block A2 at approximately 350 units. The Y-axis is labeled 'Production' with increments of 100, ranging from 0 to 400.

Figure 9.1

### 9.2 My Profile

- When user clicks on “My Profile” button in figure 9.1, they will see the general information of the user. (Figure 9.2)

The screenshot shows the 'User (admin)' profile page. At the top, there is a navigation bar with links for Initial Setup, Resources, Security, Farms, Plans, Reports, and a user account for 'admin'. Below the navigation bar, the page title is 'User (admin)'. The main content area displays the following user information in a table:

Name:	Default Manager
Position:	Manager
Gender:	M
Phone Number:	012 345 678
Email:	admin@cltag.com
Address:	Phnom Penh
Note:	Controlling all the labors in the field
System Group:	Administrator

At the bottom right of the page, there are 'Edit' and 'Settings' buttons.

**Figure 9.2**

### 9.3 Setting

- When user clicks on “Setting” button in figure 9.1, they will see a form for changing their password. (Figure 9.3)

The screenshot shows the Soma software interface. At the top, there is a navigation bar with icons for SOMA, Initial Setup, Resources, Security, Farms, Plans, and Reports. On the far right, it shows the user 'admin' and a notification badge for 'Farms' with the number '5'. Below the navigation bar, the URL 'Home / All Users / admin@cltag.com' is displayed. The main content area is titled 'Edit Profile'. It contains four input fields: 'Email' (with the value 'admin@cltag.com'), 'Current password' (an empty input field), 'New password' (an empty input field), and 'Confirmed password' (an empty input field). At the bottom right of the form are two buttons: 'Update User' (in blue) and 'Cancel'.

**Figure 9.3**