



Farmshine Platform

Introduction

Farmshine's platform provides an integrated farm management application for individual farmers, farmer cooperatives, out-growers, traders and exporters who wish to produce high quality agriculture. All activities can be managed via the mobile app and online platform.

Our data and analytical models integrate all of the information relevant to individual farmers, fields and land parcels, crops, orchards and greenhouses. This includes the planning and monitoring of farming activities and production, as well as input usage, training and other activities.

The platform enables crop aggregation, logistics and trade management, as well as forecasting production and quality ahead of time. The data model organizes the information in a hierarchical manner, with farmer produce at the top level.

Main Features

- Agent/Farmer Management
- Agent/Farmer/Association management
- Farmer Group/Cooperative Management
- Agent/Farmer Tasks Management
- Farm data monitoring & management
- Land management
- Surveys
- Micro warehouse management
- Inventory Management
- Purchase order management
- Contract farming
- Point of Sales
- Aggregation
- Logistics

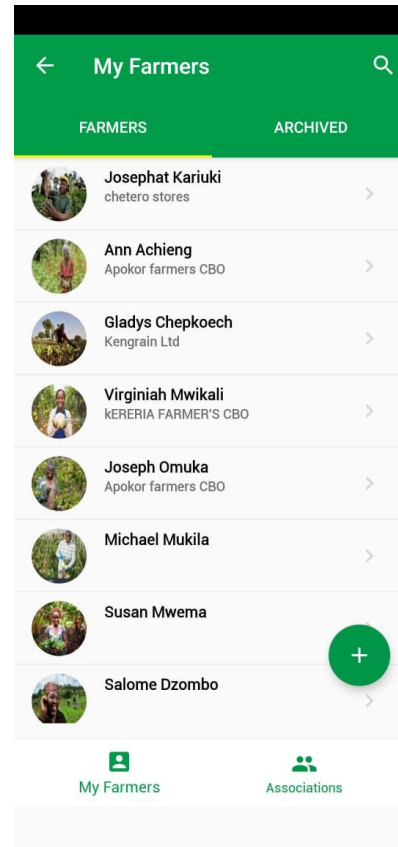
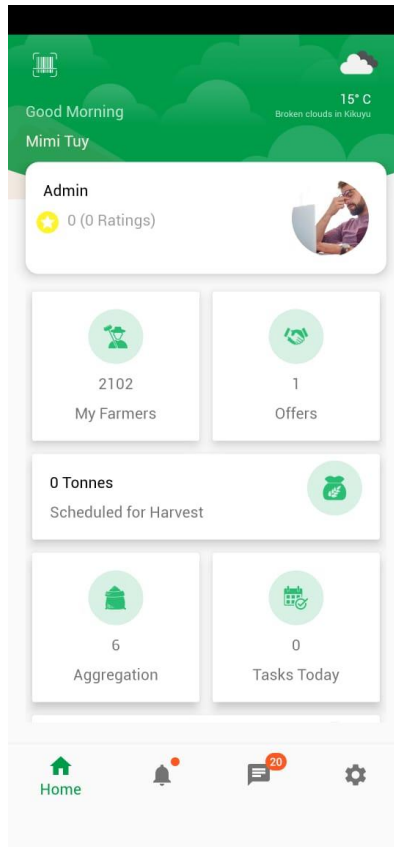
Field Agent/Farmer Management

The screenshot displays the FARMSHINE dashboard. On the left is a navigation menu with options: Dashboard, Contracts, Offer Management, Lands Management, and Users. The main content area is titled 'Field Agents' and features a 'Create New' button. Below this is a table listing agents with columns for Agent Name, # of Farmers, Total Acreage, Total Offers, Projected Bonus, Issues, Status, and Last Activity. To the right of the table is a search bar and a 'Select Type' dropdown. Further right, under 'On Sale', there are three product cards: GREENGRAM, CORN KAS, and SESAME, each with a 'Book Inventory' button.

| AGENT NAME | # OF FARMERS | TOTAL ACREAGE | TOTAL OFFERS | PROJECTED BONUS | ISSUES | STATUS | LAST ACTIVITY |
|-------------------|--------------|---------------|--------------|-----------------|--------|--------|-------------------|
| John Markung | 450Kgs | 600Kgs | 3 Acres | 70kg | 0 | ● | Today 1:03pm |
| Elizabeth Mariong | 300Kgs | 320Kgs | 2 Acres | 0kg | 0 | ● | Yesterday 5:04pm |
| Edward Mukang | 680Kgs | 750Kgs | 3.5 Acres | 10kg | 0 | ● | Yesterday 11:14pm |
| Dorothy Mwangi | 150Kgs | 200Kgs | 1.5 Acres | 15kg | 0 | ● | Yesterday 2:06pm |
| Emily Koskel | 550Kgs | 600Kgs | 3 Acres | 0kg | 0 | ● | Jun 23rd 11:35pm |
| Charles Mwingi | 100Kgs | 120Kgs | 1 Acres | 0kg | 0 | ● | Jun 23rd 1:04pm |
| Ann Kerubo | 150Kgs | 200Kgs | 0.5 Acres | 20kg | 0 | ● | Jun 22nd 6:13pm |

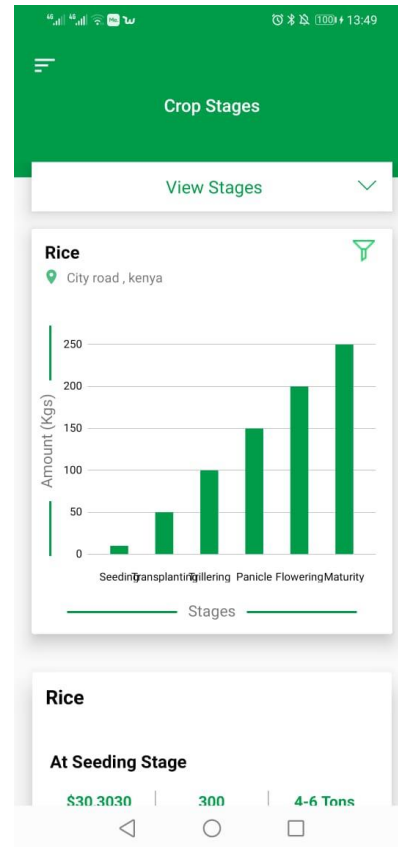
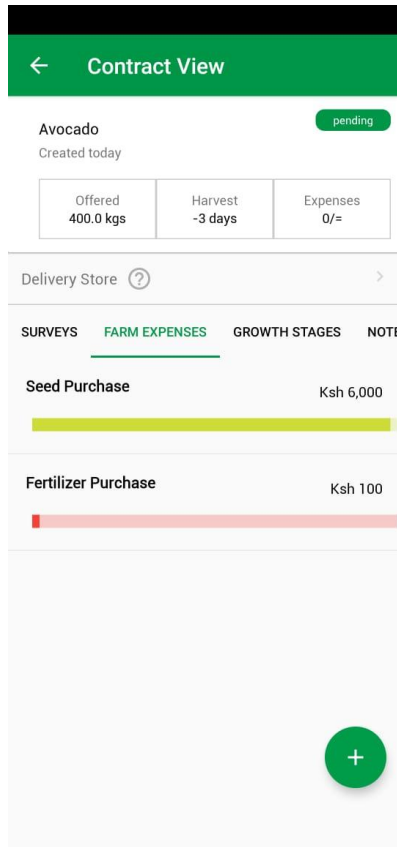
- Organizations can allow for registration of one or more actors
- Agents can register as many farmer as they will be monitoring and managing
- as well as Farmers can register themselves if authorized by a licensee
- Organizations can assign tasks and closely monitor agents' performance

Agent/Association farmers management



- Each field agent/farmer can view a summary of his activities on the app via his **Dashboard** (photo on left).
 - This includes the number of farmers, quantity scheduled for harvest, quantity aggregated, and daily tasks.
- Agents can easily manage all of their farmers in one place
 - By selecting individual farmers, the app will show the options available to manage the farmer (location, land, production, profile, etc.)

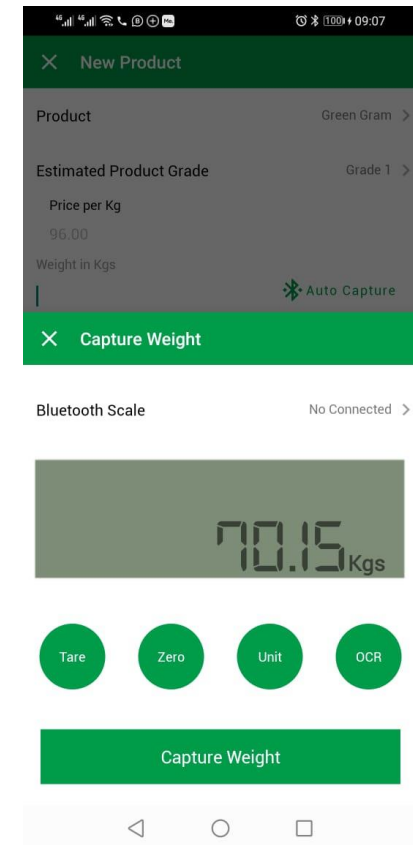
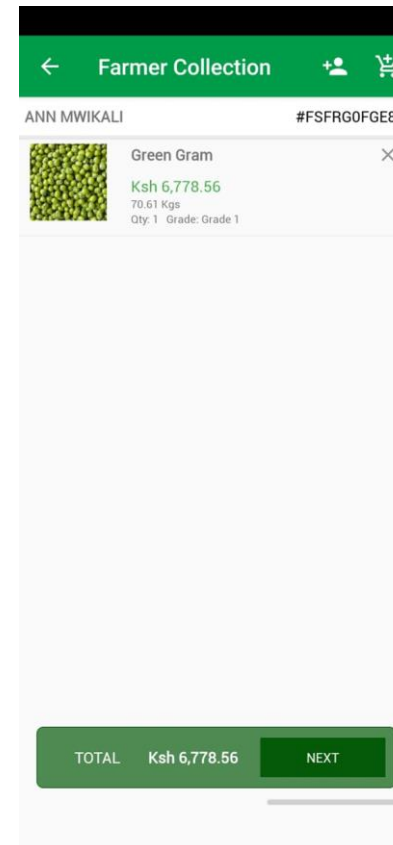
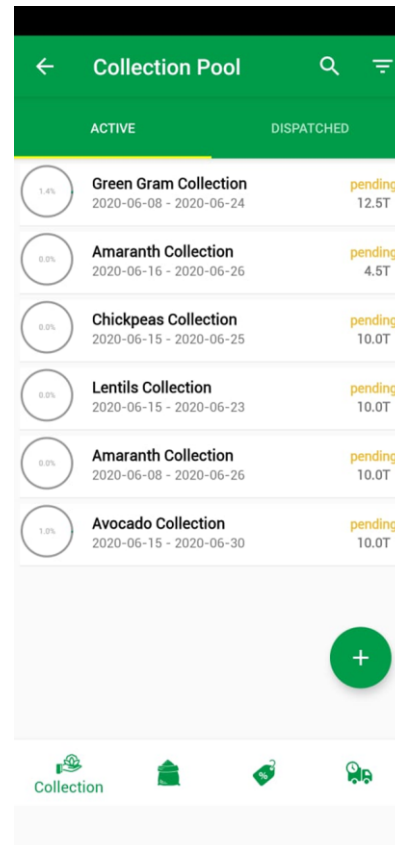
Crop Monitoring (Offer) Tools



- Enables field agents/farmers to record each farmer's field data (trees, crop, GAP, practices) and continuously monitor the crop until harvest
 - Also allows field agents/farmer to conduct assessment surveys on the farm, production, and practice
 - Capture estimated production
 - Capture growth stages, issues and expenses of the crop
 - Estimate harvest time and sales date
 - Track the inputs used and various farm activities
 - Provide analysis tools to monitor the estimated harvest
 - The tools also can be used to monitor tree-by-tree productivity

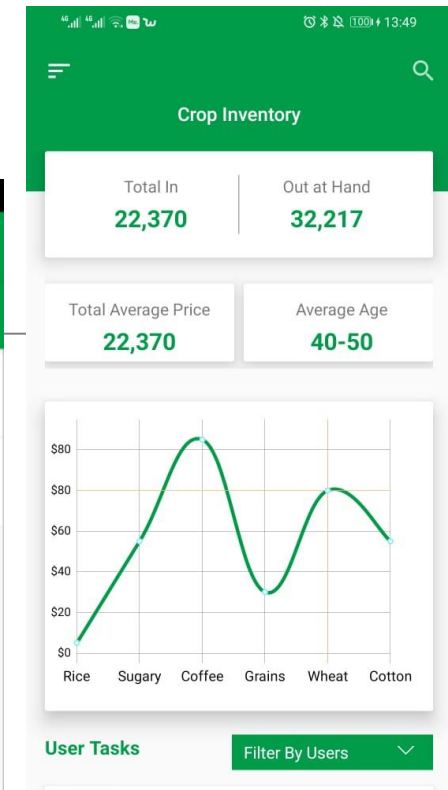
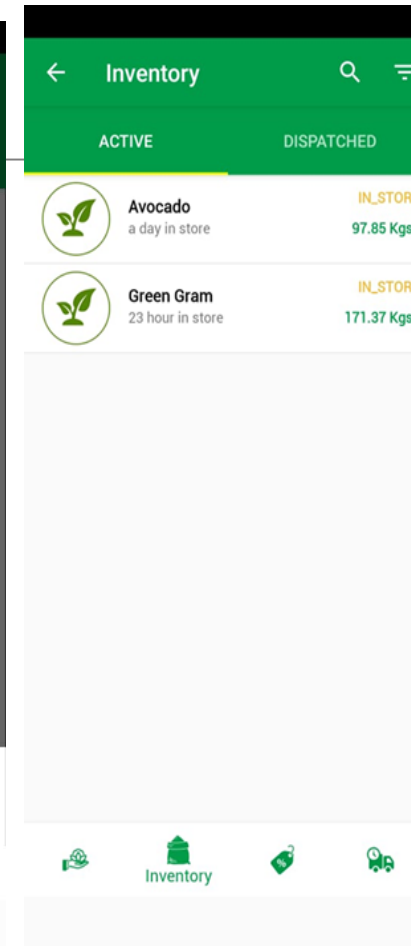
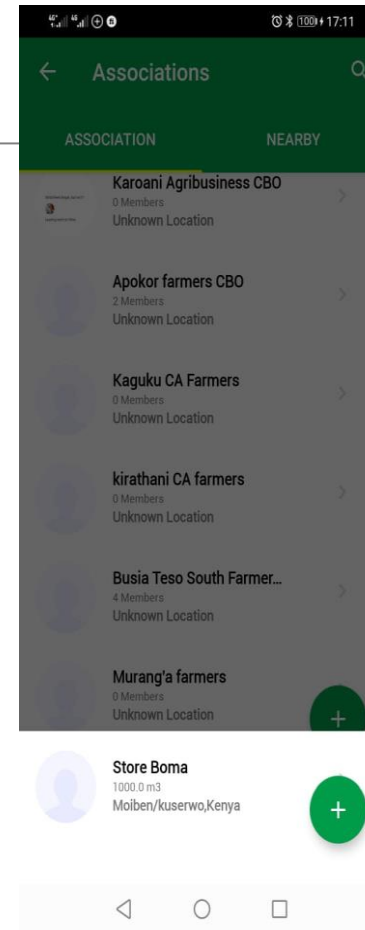
Point Of Sale

- Enables aggregating and trade agriculture products from own farm as well as other farmers (member of organization) and paying the farmers straight from the platform
- The app captures all bag details and assigns a unique bag number to each one. It also supports QRcodes/RfiD tags for inventory management
- It allows for price negotiation and tracking these price changes
- The PoS is integrated to payment gateways for instant payments

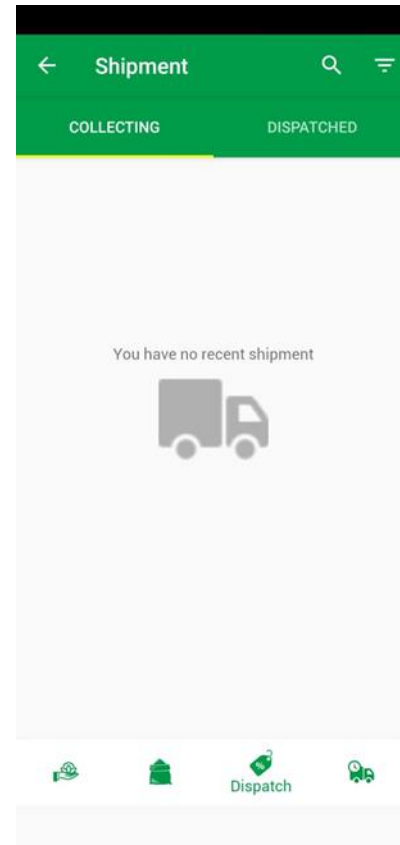
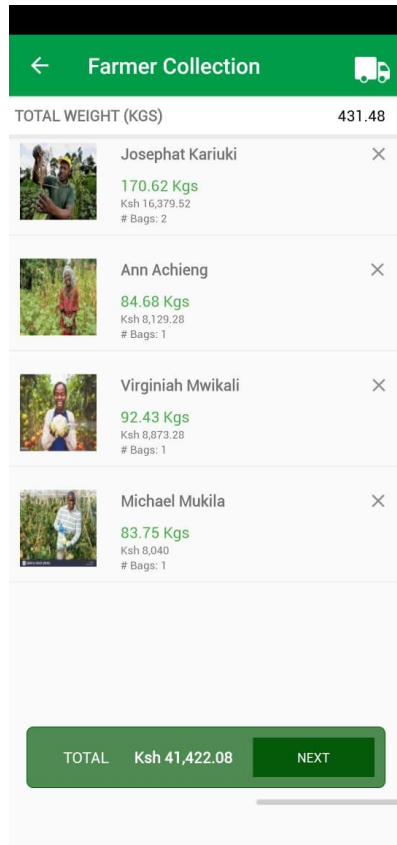


Inventory

- Each farmer group's warehouse or aggregation point is listed on the app as a separate entity
- On clicking the store, the current inventory and dispatched/sold inventory is accessible
- Each variety of commodity is listed by total weight (middle screenshot)
- Clicking on one of the commodities listed shows the collection from each farmer

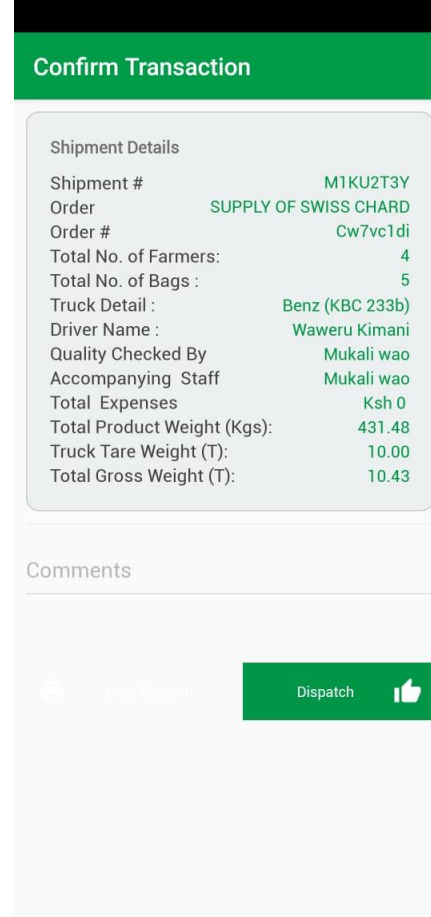
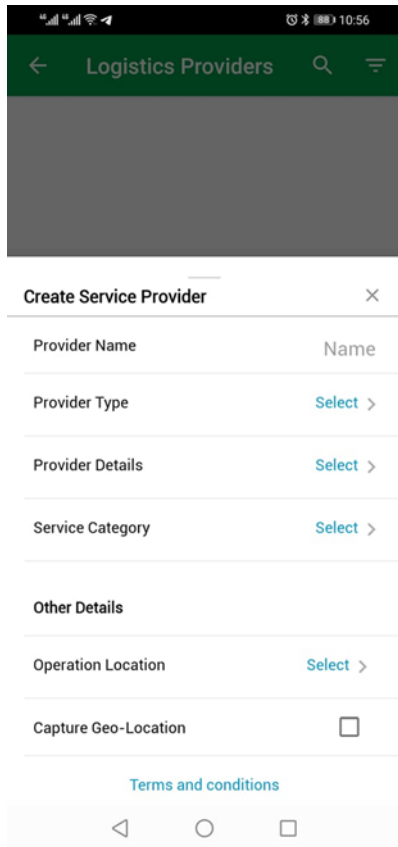


Delivery & Shipment



- Following the quality assessment and approval of the commodity, the app allows all collection to be assigned a shipment for delivery
- It keeps a track of each individual bag for each farmer, together with the weight and agreed price
- The farmer receives alerts on all ongoing activities

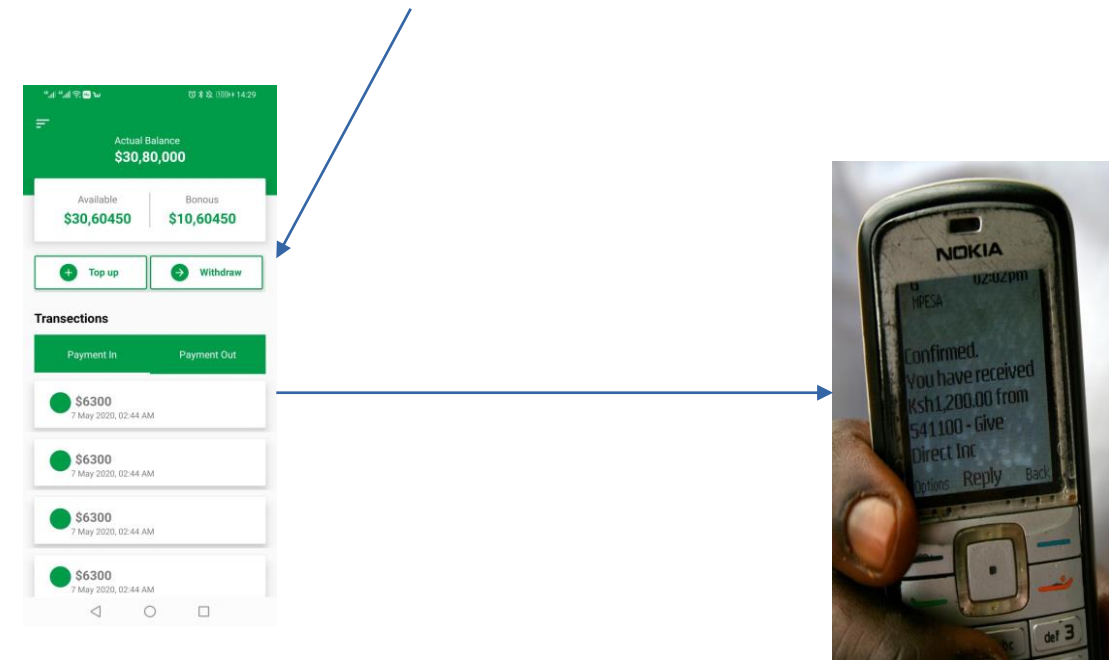
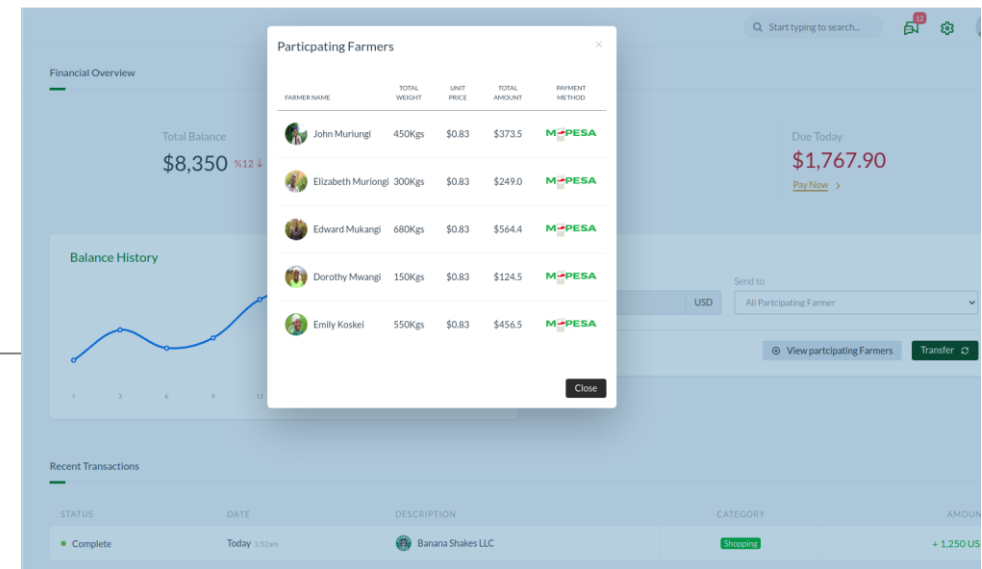
Shipment Providers Tools



- As shown on the left, the **Logistics** section of the app lists all service providers which are available to make deliveries in a given area
- If the service provider is able to connect to our app, deliveries can be scheduled automatically
- The progress of each ongoing delivery can be followed on the **Shipments** page (screenshot on right)
- Other features
 - Allow GPS lock to be locked and all truck movement traced

Payments

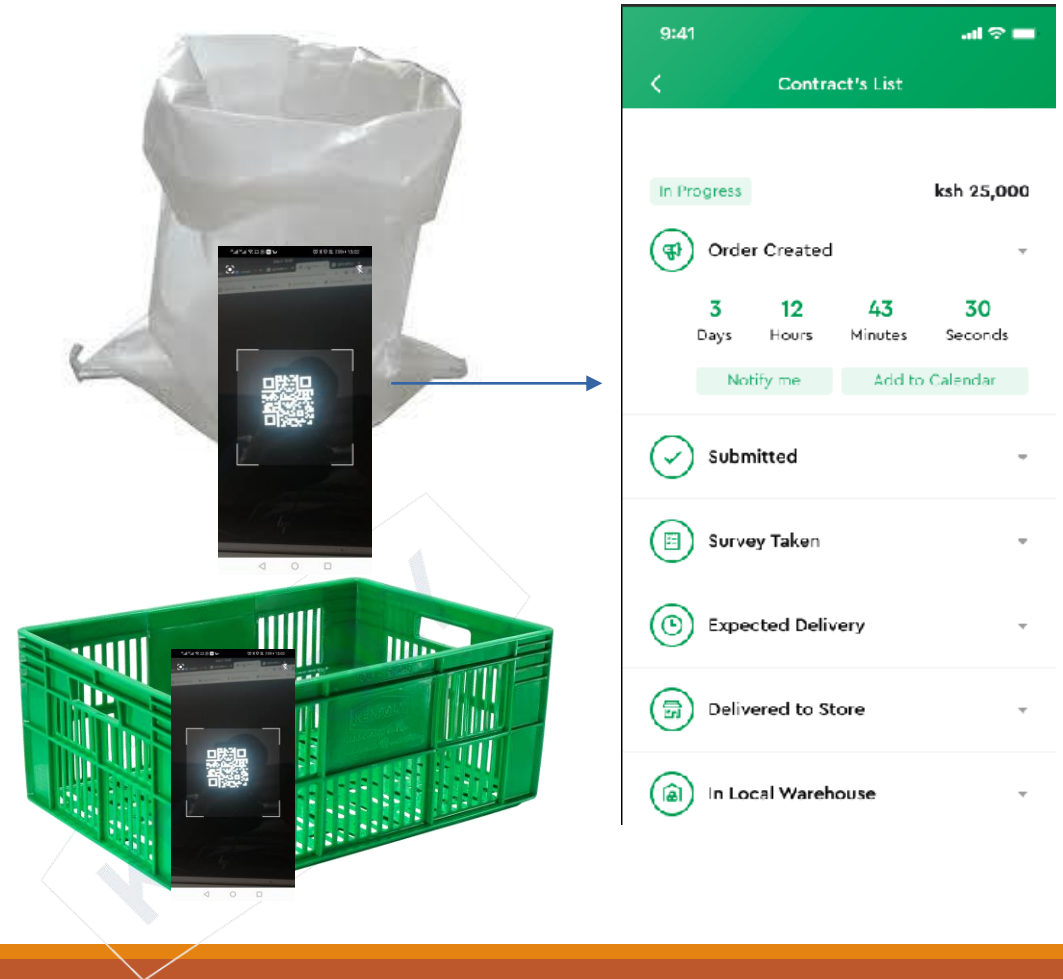
- Upon receipt of farmer's produce, the buyer receives an aggregated invoice which he pays via Farmshine's integrated wallet
- The wallet allows each farmer to receive money based on their preferred payment method
- Each payment that a farmers receives is shown in his wallet under **Transactions**, which can be accessed through the app



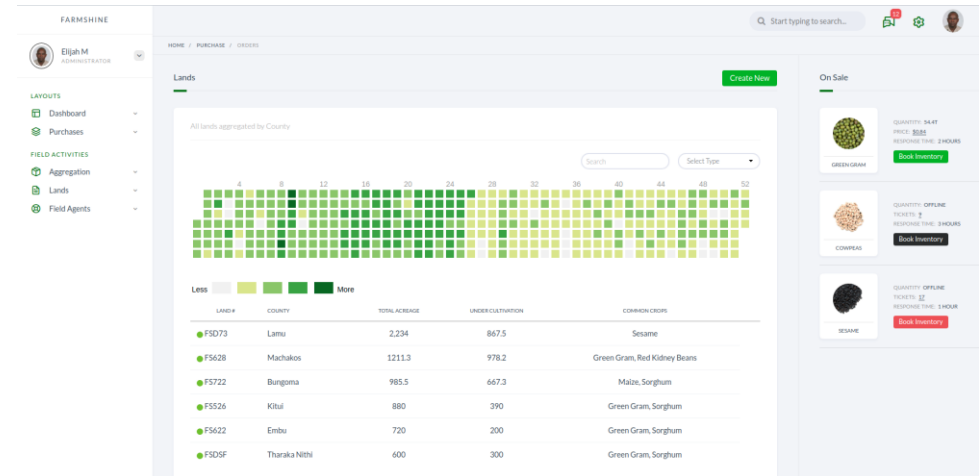
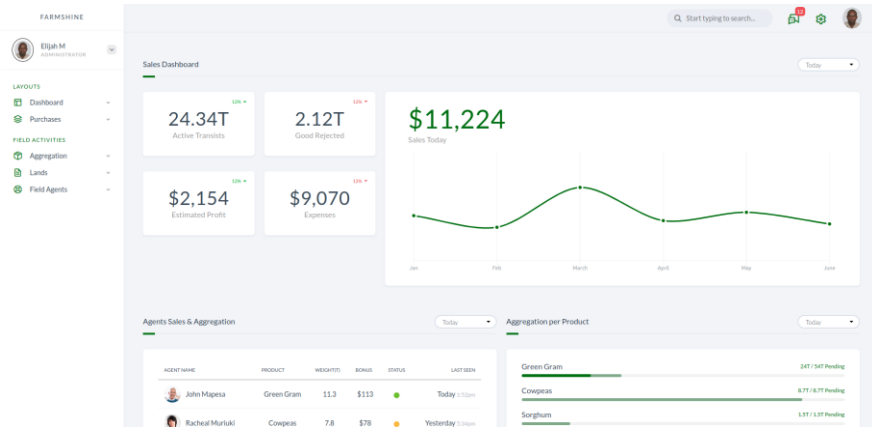
Traceability

The app has a traceability module that allows individual farmer bags/crates to be scanned. Each item's unique number can be searched to retrieve all information for the bag, including:

- . Farmer details
- . Planting details
- . Aggregation details
- . Shipment information



Dashboards



The dashboard shows aggregated information for a variety of indices, including crop analysis, expected harvest, issues, conducted surveys, etc.

Users can click on a report to view the underlying data.