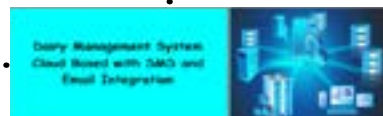


## The Dairy Management framework

ADMINISTRATION	MY ACCOUNT
System Users Roles Rights	Change Password My User Rights Log Out

REPORTS
Visualizations Dashboards Wholistic Numbers Dashboards Agrovet Agrovet _Serviceprovider Pay... Checkoff Receipt Customers Demo Report Farmer Deductibles- Per... Farmer Deductions- All Farm... Farmer Deductions- Per Far... Farmer Delivery Receipt Graders Gross Profit Overview Milk Collections Milk Received Per Grader Milk Rejections Mkulima Bora Farmer Checko... Processed Products Processed Products Inventory... Raw Milk Inventory Sales



REGISTRATION
Banks/SACCOs Deductibles Zones/Routes Farmers Animals Agrovets Service Providers Customers/Processors Dairy Products Farm Inputs Services Sales People Graders Transport Modes System Settings Farmer Payroll Download

Test Dairy Management
DATA CAPTURE
Received Milk Rejected Milk Raw Milk Spoilage/Spillage Processed Products Product Sales & Spoilage Products Written Off Farm Input Check-Off Request Service Check-Off Request Process Farmer Payroll

## INTERGRATION OF A DAIRY MANAGEMENT SYSTEM TO TWO DAIRY HUBS UNDER FOOD FOR ALL PROJECT KENYA (F4APK)



You can download the user manual from <http://www.dicovafricaconsulting.com/downloads/>

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## The Dicova Africa Group Dairy Management System (DMS)

The Dairy management system has been developed to address challenges of data collection, management, analysis and archiving at cooperative level. The system is designed to improve efficiency, accountability and data security by digitization. How? By customizing the system to fit the needs of various dairy cooperative business models to ensure quick uptake without disrupting the day to day operations of the cooperative. The system was first deployed at two dairy hubs under the Solidaridad Food For All project, Makueni Dairy Cooperative (Makueni County) and Mkulima Bora Dairy Cooperative (Embu County).

### The system has the following capabilities:

- Collect and maintain farmers profiles
- Collect and maintain milk data (milk received, rejected, sold and processed).
- Collect and maintain financial records
- Produce farmer's statements.
- Calculate periodic payments to members (net payment journal).
- Extract periodic per collector production and total society production (produce receipt journal)
- Extract periodic per station inputs sales and total society inputs sales (credit sales journal)
- Extract periodic economic report (generate trial balance)

4

The number of key features integrated into the DMS system



A test screenshot of the DMS

### How it is designed

The Dairy Management System is designed to work as a stand alone in the most remote and basic conditions, we have also extended its design architecture for it to have modern day components of cloud computing - this allows the Dairy Management System to answer the question of - *how can one use the system and access the information real time from anywhere?*

Secured access	.....	
Data confidentiality	.....	
Backups	.....	
Controls	.....	

The dairy management system is designed to automate the entire dairy processing and production. The system runs on a secure database management system (DBMS) with a three-tiered user security protocol. The system has capabilities for a scheduled remote backup, failover and restore mechanism.

The System has these four main features:



### Cloud Based

A cooperative/farmer organization can use the cloud in a way that allows a cooperative/farmer organization to have multiple sites that allows data to be consolidated at a single point - all cloud based. In the even the cooperative does not have access to internet, we have the option of a creating a localhost server for the cooperative with strong passwords and authentication measures.



### SMS Integration

The Dairy Management System has been designed to work with SMS across all Telkos. The integration is done such that alerts to farmers can be triggered to share information about the collected milk, quality, total value and dairy production tips.



### Email Integration

The Dairy Management System has been designed to integrate with email. This allows for system administration and corporate communication integration. Members can receive their statements via email whereas management reports can be automatically generated and sent via email.



### Digital Weighing Scale and Printer

The Dairy Management System has been designed to integrate with an extensive range of Milk Weighing Scale in different customized specifications. These Milk Weighing Scales precision engineered to offer accurate measurement of milk in different quantities.