

Cane ERP - User Guide

From field GPS to weighbridge - one cane season, live.

For mill managers who still split field GPS, contracts, and the weighbridge. One season on one screen - then follow a load to the scale.

Live system: <https://web-production-7e2e32.up.railway.app>

Access (demo only)

manager / password123 (web); field officer / password123

Try this

1. Manager dashboard
2. Weighbridge
3. Metabase (in-guide)

Full user guide

Cane ERP

Cane Management & Field Operations

End-User Guide Trial / Demo Edition

Real-time, data-driven cane operations - web console for the office, offline-first mobile app for the field.

Demo organisation: Mumias Sugar Estate | Season: 2026

1. Welcome

Cane ERP is an end-to-end system for managing sugarcane contracts, farmers, field services, harvesting and logistics. This trial gives you a fully working environment pre-loaded with sample data so you can explore every feature from both the web console and the Android field app.

There are two ways to use the system:

Web console - for managers and office staff - dashboards, approvals, GIS maps, reporting and administration.

Mobile app (Android) - for field officers - offline-first data capture, GPS-verified visits, signatures, and printable certificates/slips.

IMPORTANT (demo): The accounts below are shared sample logins with a common password.

Please change all passwords and enable two-factor authentication before entering any real data.

2. How to access the trial

What

Where

Notes

Web console

<https://web-production-7e2e32.up.railway.app>

Open in Chrome / Edge on a laptop or desktop

Mobile app (Android APK)

Scan the QR / open the install page

Install page: see link below

Analytics & reports

<https://metabase-production-420b.up.railway.app>

Interactive BI dashboards

API reference (optional)

<https://api-production-f6263.up.railway.app/api/docs>

For technical / integration users

Mobile install page:

<https://expo.dev/accounts/varundigicane/projects/cane-field-ops/builds/bd5015da-7676-490d-90fa-bc25fdea0e5b>

3. Sample login credentials

All demo accounts use the password:

password123

Username

Password

Role

Use this to try

admin

password123

Mill Admin

Everything: users, devices, API keys, webhooks, audit, all modules

manager

password123

Cane Manager

Approvals, dashboards, zones, contracts, alerts, oversight

supervisor

password123

Field Supervisor

Team oversight, service approvals, zone assignment, breach review

officer

password123

Field Officer

Field capture in the mobile app: farmers, services, sourcing, slips

weighop

password123

Weighbridge Operator

Recording weighbridge weights and slip updates

Recommended for a quick tour: sign in to the WEB console as "manager" and sign in to the

MOBILE app as "officer", then watch data captured in the field flow into the office

dashboards.

4. Web console - features

After signing in you land on a role-based dashboard. The left-hand menu gives access to each module:

Core operations

Dashboards - live KPIs and operations views tailored to your role.

Farmers - register and search farmers, track KYC status, view plots and history.

Contracts - create cane contracts and move them through an approval workflow.

Data Migration - import historical data (CSV / Excel / Shapefile / KML) with a safe dry-run before committing.

Maps & field oversight (GIS)

Zones - draw and edit field/zone boundaries (geofences) on the map.

Zone assignments - assign staff to zones by date.

Live location - see staff on a live map with breadcrumb trail replay.

Breaches - review and acknowledge geofence breach alerts.

Sourcing, services & certificates

Private sourcing - track private cane suppliers and estimate-vs-actual variance.

Services & Recruitment - raise service requests (ploughing, harrowing), approve with SLA clocks, manage the service catalogue and rates, and recruit farmers.

JCC (Job Completion Certificates) - issue signed certificates with a QR code that anyone can verify online.

Harvest & logistics

Harvest programs - build harvest programs and plan lines.

Dispatch board - manage cane-cutting (CC) slips through their lifecycle.

Transport map - track deliveries in transit.

Weighbridge - record weights against CC slips.

Staleness - monitor cane freshness against SLA time-bands.

Administration

Users & roles - create staff accounts and assign roles/permissions.

Devices - see registered field devices.

API keys & Webhooks - integrate with finance/ERP systems (signed, rate-limited).

Audit log - tamper-evident, append-only record of every action.

5. Mobile app (Android) - features

The field app is offline-first: it keeps working with no signal and syncs automatically when a connection returns.

Install

Open the install page (or scan the QR) on the Android device, or copy the provided .apk file to the phone.

Tap the file; if prompted, allow "Install unknown apps" for your browser / file manager.

Open "Cane Field Ops" and grant Location (allow "all the time") and Camera permissions.

Sign in with a field account, e.g. officer / password123.

What you can do in the field

Home / Map - your assigned zones and plots, and today's tasks.

Farmers - browse your assigned farmers; open one to view or edit.

Capture - create records: Farmer, Contract, Service request, Private sourcing, JCC, CC slip.

GPS proof - every record is stamped with location and time automatically.

Signatures & photos - capture farmer signatures and photos as evidence.

Background tracking & geofencing - verifies zone coverage and flags breaches during a shift.

On-device documents - generate JCC / CC-slip previews with a signed QR, even offline.

Sync - the Sync tab shows pending items in the outbox and confirms when everything is uploaded.

Offline is safe: submissions are queued locally and uploaded automatically. Uploads never create duplicates, even after retries or lost connections.

6. Suggested 10-minute demo

Step

Where

Do this

1

Web (manager)

Open Zones - confirm 'Block 01' exists and is assigned to the field officer.

2

Mobile (officer)

Open Farmers - select 'Jane Wanjiru' (F-0001) / plot P-0001.

3

Mobile (officer)

Capture raise a Service request (e.g. Ploughing) and submit (it queues, then syncs).

4

Web (manager)

Open Services approve the request; watch the SLA clock start.

5

Mobile (officer)

Complete the work issue a JCC (with signed QR).

6

Anyone

Verify the certificate at <https://web-production-7e2e32.up.railway.app/verify/<id>>.

7

Mobile (officer)

Issue a CC slip for harvested cane.

8

Web / App (weighop)

Record the weighbridge weight against the CC slip.

9

Web (manager)

Open Dashboards / Logistics - see tonnage and cane-staleness; deeper reports in Metabase.

7. Before you use real data

Change every demo password (Admin Users), or delete the demo accounts and create real ones.

Enable two-factor authentication (TOTP) for admin accounts.

Create individual accounts for your staff instead of sharing logins.

Rotate any integration secrets (API keys, webhook signing secrets).

Review the Audit log - it is append-only and tamper-evident.

8. Troubleshooting & quick reference

If

Try this

Can't log in

Use lowercase usernames; password is password123. The server may wake from idle - retry after ~30s.

Web shows little/no data

Sign in as admin or manager (field roles only see their own assigned records).

'Install blocked' on Android

Allow 'Install unknown apps' for the app you opened the file with.

Map is blank in the app

Grant Location permission; the map falls back to OpenStreetMap if custom tiles are unavailable.

Field edits not on web

Open the app's Sync tab - items stay in the outbox until the device is online.

Quick links

Web console - <https://web-production-7e2e32.up.railway.app>

Analytics (Metabase) - <https://metabase-production-420b.up.railway.app>

Mobile app install -

<https://expo.dev/accounts/varundigicane/projects/cane-field-ops/builds/bd5015da-7676-490d-90fa-bc25fdea0e5b>

API reference - <https://api-production-f6263.up.railway.app/api/docs>

Logins - admin / manager / supervisor / officer / weighop - all password123

Cane ERP Trial / Demo User Guide Generated for evaluation purposes

Prepared by Digicane Systems. Treat demo accounts as public evaluation credentials.