

Agrocares Scanner: Soil, Feed and Leaves Nutrient Scanner

Scan Nutrients. Get Answers. Act Fast.

AgroCares' Nutrient Scanner is a handheld device that lets agribusinesses test soil, leaves, and feed on-site. It connects to a smartphone, uses NIR light to scan samples, and delivers instant nutrient reports with tailored input recommendations. It's fast, digital, and easy to use—ideal for offering value-added services and boosting input sales.



AgroCares

Mukami Gitau

Commodities

Maize, Wheat, Cassava, Soybean, Canola, Sorghum/Millet, + 3 more

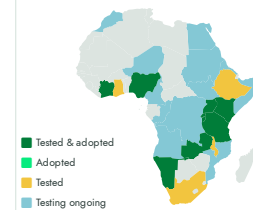
Sustainable Development Goals



Categories

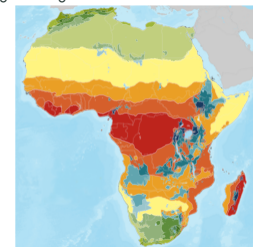
Production, Pre-production, Equipment, Analysis and Diagnostic tool

Tested/adopted in



Where it can be used

This technology can be used in the colored agro-ecological zones.



Target groups

Breeders, Development institutions, Farmers, Governments, Seed companies, Sellers, + 4 more



This technology is **pre-validated**.



Scaling readiness: idea maturity 9/9; level of use 9/9

6695 USD

Unit Cost of Scanner

ROI: \$\$\$ **30 %**

Return on investment per year

1950 USD

Yearly Licence for Soil Testing

2500 USD

Yearly Licence for Leaf or Feed Testing



Patent granted, Copyright, Trademark

Problem

- **Uninformed Input Use**
Farmers rely on guesswork to choose fertilizers, reducing effectiveness.
- **No Value-Added Services**
Agrodealers lack tools to offer real-time, data-driven advice.
- **Testing Too Slow and Costly**
Labs are expensive and not practical for business models.
- **Lack of Trust-Building Data**
Without diagnostics, tailored input sales are hard to justify.

Solution

- **On-the-Spot Testing:** Scan soil, leaf, or feed and get results in minutes.
- **New Revenue Streams:** Offer diagnostics as a service to boost input sales.
- **Stronger Farmer Trust:** Provide tailored advice based on real data.
- **Scalable and Low-Cost:** Unlimited scans per license reduce cost per test.

Key points to design your business plan

Create a profitable service offering soil and crop nutrient testing.

- **Train sales agents or agronomists** to use the scanner and app.
- **Set affordable test fees** (e.g., €5–8) to cover costs and attract farmers.
- **Integrate with farm platforms** to offer bundled advice and inputs.
- **Calibrate for local crops and soils** in partnership with suppliers.
- **Track usage, sales impact, and customer feedback** to refine the model.

Inclusion assessment



Climate impact



Agrocares Scanner

<https://taat.africa/jdy>

Last updated on 5 September 2025, printed on 5 September 2025

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