

# 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.



**HLB, Rabobank Foundation**

Henri Hekman, Reinder Van Der Meer, Melissa Colakoglu, Stefan Vaessen, Beata Tomczyk

## Commodities

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

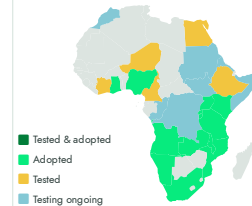
## Sustainable Development Goals



## Categories

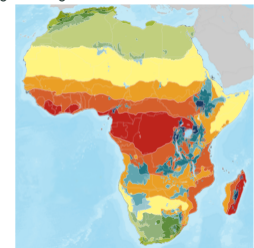
Production, Pre-production, Equipment, Analysis and Diagnostic tool

## 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**.

9-9



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

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Climate impact

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Agrocares Scanner

<https://taat.africa/jdy>

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Enquiries [e-catalogs@taat.africa](mailto:e-catalogs@taat.africa)