

Agrocares Scanner: Soil, Feed and Leaves Nutrient Scanner

Scan Nutrients. Get Answers. Act Fast.

AgroCares' Scanner enables field teams to test soil, leaf, or feed samples anywhere. The device scans with NIR light, sends data via smartphone to the cloud, and returns clear nutrient reports in minutes. It's a practical tool for scaling precision farming in remote or resource-limited areas.



HLB, Rabobank Foundation

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

Commodities

Maize, Wheat, Cassava, Soybean, Canola, Sorghum/Millet, Fruits, Legume, Other root/tuber

+ 3 more

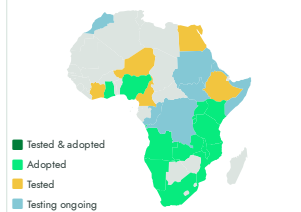
Sustainable Development Goals



Categories

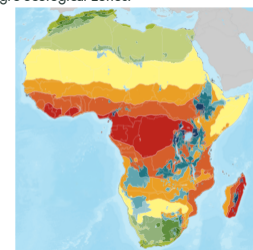
Production, Pre-production, Equipment, Analysis and Diagnostic tool

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, Researcher center, Soil scientists, Advisory and Extension Services, Cooperatives and...

+ 4 more



This technology is **pre-validated**.

9-9



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

Inclusion assessment

4

Climate impact

7

Problem

- **Farmers Lack Testing Access**
Most can't afford or reach reliable nutrient analysis.
- **Misuse of Fertilizer**
Inputs are wasted while real deficiencies go untreated.
- **Lab Testing Not Practical**
Too slow or costly for project timelines and budgets.
- **No Tools for Field Agents**
Extension teams lack portable solutions for data-based advice.

Solution

- **Access Anywhere:** Brings soil and crop testing to remote areas.
- **Better Input Efficiency:** Farmers apply only what their crops need.
- **Faster, Cheaper Delivery:** No labs, no chemicals, no delays.
- **Fits Any Project Model:** Works for soil, feed, and crop programs at scale.

Key points to design your program

Improve project outcomes with real-time diagnostic tools.

- **Train local youth or cooperatives** to deliver scanning services.
- **Embed scanning** into advisory, training, or livestock programs.
- **Capture data automatically** to strengthen M&E systems.
- **Use field demos** to build trust and scale adoption.
- **Leverage blended finance** to expand access and sustainability.

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



Agrocares Scanner

<https://taat.africa/xvb>

Last updated on 27 August 2025, printed on 27 August 2025

Enquiries e-catalogs@taat.africa