

# Agrocares Scanner: Soil, Feed and Leaves Nutrient Scanner

Scan Nutrients. Get Answers. Act Fast.

The Nutrient Scanner gives government teams a quick and portable way to assess soil and crop nutrition in the field. It scans samples with NIR light, connects to a smartphone, and sends data to the cloud for instant nutrient analysis and recommendations. It supports data-driven extension without needing a lab.



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This technology is **pre-validated**.

9-9



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

Inclusion assessment



Climate impact



## Problem

- **Limited Extension Capacity**  
Agents can't diagnose nutrient issues on-site.
- **Fertilizer Inefficiency**  
Blanket application leads to waste and low yields.
- **Labs Out of Reach**  
Testing services are slow, costly, and hard to scale.
- **No Field-Level Data**  
Policies lack current soil fertility insights.

## Solution

- **Field-Ready Tool for Agents:** Extension staff can test and advise farmers instantly.
- **Smarter Fertilizer Use:** Reduce waste with precise nutrient recommendations.
- **Rural Reach Made Easy:** Works offline for scanning; syncs later.
- **Improves Soil Data Systems:** Generates real-time info to support planning and policy.

## Key points to design your project

Modernize soil and crop advisory with on-site diagnostics.

- **Equip extension agents** with handheld scanners and apps.
- **Train staff and embed testing** into regular field visits.
- **Use scan data** to guide fertilizer policy, subsidies, and restoration programs.
- **Engage communities and local leaders** to increase adoption.
- **Monitor results** to adjust strategy and maximize impact.

**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

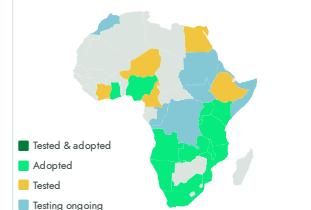
### Sustainable Development Goals



### Categories

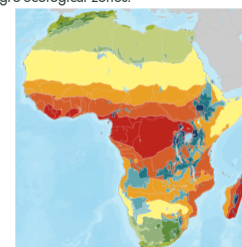
Production, Pre-production, Equipment, Analysis and Diagnostic tool

### 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



Agrocares Scanner

<https://taat.africa/jki>

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

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