

# GrainMate Grain Moisture Meter

Control the moisture content of grains and reduce post-harvest losses.

The GrainMate Moisture Meter is a portable instrument designed for measuring the moisture content of grains. It enables farmers and grain storage professionals to quickly and accurately assess the moisture levels in harvested crops, a critical factor in ensuring grain quality and preservation.



**Sesi Technologies Limited**  
Isaac Sesi

Commodities

Maize, Sorghum/Millet, Soybean, Wheat, Groundnut

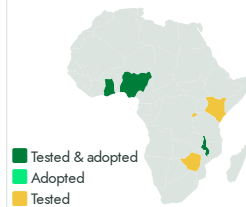
Sustainable Development Goals



Categories

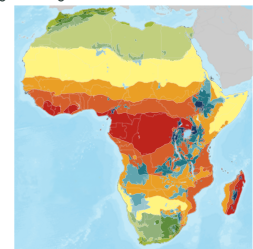
Prevention & storage, Equipment, Post-harvest handling

Tested/adopted in



Where it can be used

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



Target groups

Farmers, Processors

This technology is **pre-validated**.

8·7

Scaling readiness: idea maturity: 8/9; level of use: 7/9

Cost: **45—60 USD**

Price for resellers and users

ROI: **90 %**

Post-harvest losses reduced

## Problem

- Farmers lose grains because they don't dry them well after harvesting.
- It's hard for farmers to check if their grains are dry enough before putting them in storage.

## Solution

- GrainMate measures how much moisture is in the grains, whether during or after drying.
- It helps farmers keep track of moisture levels, preventing losses after harvesting.
- GrainMate is a tool that is easy to get and simple to use, especially helpful for farmers in sub-Saharan Africa where losing grains after harvest happens often.

## Key points to design your business plan

GrainMate Moisture Meter technology benefits both resellers and end users (farmers). For better integration in your business:

- Identify bulk sources for acquiring GrainMate Moisture Meters, available in Kenya, Rwanda, Ghana, Nigeria, Malawi, Zimbabwe.
- Optimize transportation and storage methods.
- Target customers include local retailers, development projects, farmers, and farmer cooperatives.
- Training is essential; operational details are available in the tool notice or tech profile.
- Estimate profits from using the product in your business.

Gender assessment **4**

Climate impact **4**



GrainMate

<https://e-catalogs.taatafrica.org/com/technologies/grainmate-grain-moisture-meter>

Last updated on 30 April 2024, printed on 21 May 2024

Enquiries [techs@taatafrica.org](mailto:techs@taatafrica.org)