

ProvisionGard™: Insect - Blocking Package Technology

ProvisionGard™ : Protects your products, protect your brand.

ProvisionGard™ is an IGR-based packaging technology that protects packaged staple foods from insect infestation during storage and distribution, helping governments reduce postharvest losses and strengthen food supply chains. In a six-month Kenya trial of 120,000 maize flour packets, treated packets showed no infestation throughout the monitoring period.



Provisiongard LLC, Adpack Limited
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Commodities

Maize, Wheat, Rice, Sorghum/Millet,
Legume, Cassava, + 2 more

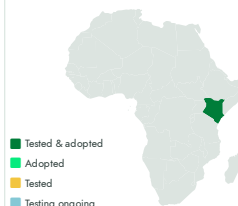
Sustainable Development Goals



Categories

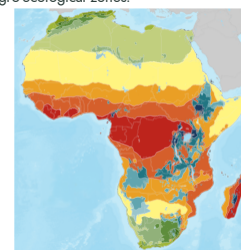
Postharvest, Inputs, Pesticide,
biodegradable Targeted pesticide delivery
system

Tested/adopted in



Where it can be used

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



Target groups

Farmers, Processors, Seed companies,
Sellers, Manufacturers,
Warehouse Operators, + 2 more

This technology is **pre-validated**.

8-8



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

Inclusion assessment

12

12

12

Climate impact

2

2

Problem

- **Postharvest losses:** Infestation causes food losses after processing.
- **Food availability:** Discarded food reduces food availability.
- **Resource losses:** Food losses waste invested resources.

Solution

- **Postharvest protection:** ProvisionGard™ protects packaged staple foods from insect infestation.
- **Food retention:** It helps keep more food available for consumption.
- **Programme fit:** The technology integrates into existing food-handling systems.

Key points to design your project

ProvisionGard™ is a postharvest food protection technology that integrates insect control into food packaging. It supports government programmes focused on reducing losses and protecting packaged staple foods throughout storage and distribution.

- **Target priority supply chains:** Focus on packaged maize, wheat flour, rice, cereals, and other dry foods affected by stored-product insect infestation.
- **Support programme integration:** Link the technology with postharvest loss reduction, food security, and staple-food value-chain programmes.
- **Measure impact:** Track treated packages, infestation rates, food losses, returns, shelf-life performance, and food retained for consumption.

3.50 USD per 1,000 packets treated

Treatment costs



Patent granted, Trademark



ProvisionGard™

<https://taat.africa/ukp>

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