

ProvisionGard™: Insect - Blocking Package Technology

ProvisionGard™ : Protects your products, protect your brand.

ProvisionGard™ is an insect growth regulator (IGR) treatment incorporated into food packaging to protect dry foods from insect infestation throughout storage and distribution. It integrates into existing packaging and filling processes without major changes, cold-chain infrastructure or re-treatment, offering a potentially low-cost solution to reduce product losses and rejected stock.



Provisiongard LLC, Adpack Limited
Saheel Shah

Commodities

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

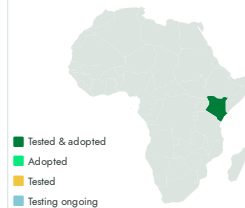
Sustainable Development Goals



Categories

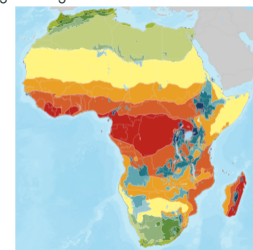
Postharvest, Inputs, Pesticide,
biodegradable Targeted pesticide delivery system

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

3.50 USD per 1,000 packets treated

Treatment costs



Patent granted, Trademark

Problem

- **Commercial losses:** Infestation causes product losses.
- **Product rejection:** Infested products are returned or rejected.
- **Dead inventory:** Infested stock becomes unsaleable.

Solution

- **Commercial protection:** ProvisionGard™ protects packaged food from insect infestation.
- **Easy integration:** The treatment fits existing packaging and filling processes.
- **Lower losses:** It helps reduce returns, rejected stock, and product losses.

Key points to design your business plan

ProvisionGard™ provides private-sector actors with insect-blocking food packaging that protects packaged dry foods from stored-product insect infestation. It fits existing packaging and food-processing operations and supports reduced product losses across the commercial supply chain.

- Packaging manufacturers and converters: They can integrate ProvisionGard™ into food packaging production and supply treated packaging to food businesses.
- Millers and food processors: They can use the treated packaging on existing filling lines to protect products and reduce infestation-related losses and returns.
- Distributors and retailers: They can handle treated packaged foods through normal storage and distribution while reducing the risk of infestation-related stock losses.

Inclusion assessment

12

12

STOP 12

Climate impact

2

2



ProvisionGard™

<https://taat.africa/rqn>

Last updated on Sep 15, 2026 printed on Sep 15, 2026

Enquiries e-catalogs@taat.africa