

ProvisionGard™: Insect - Blocking Package Technology

ProvisionGard™ : Protects your products, protect your brand.

ProvisionGard™ is an IGR-based packaging technology that protects dry foods from stored-product insect infestation throughout storage and distribution. It integrates into existing packaging and filling systems without major changes, helping reduce postharvest losses and protect food value. In a six-month Kenya trial, treated maize flour packets showed zero infestation, with the provider also reporting a more than 50% extension in usable shelf life.






Provisiongard LLC, Adpack Limited
Saheel Shah

Commodities

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

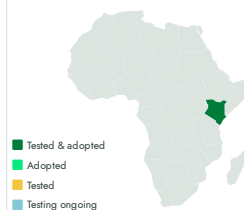
Sustainable Development Goals



Categories

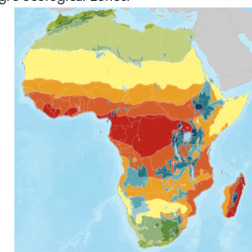
Postharvest, Inputs, Pesticide, biodegradable Targeted pesticide delivery system

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, Advisory and Extension Services, Cooperatives and Agribusinesses
+ 2 more

This technology is **pre-validated**.

8•8

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

Inclusion assessment

12

12

STOP 12

Climate impact

2

2

Problem

- **Value-chain losses:** Infestation causes losses across the supply chain.
- **Resource waste:** Discarded food wastes production resources.
- **Food-system inefficiency:** Losses reduce food reaching consumers.

Solution

- **Value-chain protection:** ProvisionGard™ protects food across storage and distribution.
- **Resource preservation:** It reduces waste of resources invested in food production.
- **Scale potential:** The technology fits existing packaging and food systems.

Key points to design your program

ProvisionGard™ can be integrated into food security, postharvest loss reduction, sustainable food systems, and staple-food value-chain programmes to reduce stored-product insect infestation and protect packaged dry foods. Its adoption contributes to SDG 2 (Zero Hunger), SDG 8 (Decent Work and Economic Growth), SDG 12 (Responsible Consumption and Production), and SDG 13 (Climate Action).

- Facilitate implementation by linking packaging manufacturers, food processors, and other value-chain actors to ProvisionGard™ and appropriate packaging systems.
- Build local capacity through testing, technical training, and guidance on applying and using treated packaging correctly.
- Monitor impact through treated packages, infestation rates, food losses, 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/uie>

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

Enquiries e-catalogs@taat.africa