

Local Production of Quality Affordable Poultry Feed

Cutting Costs, Boosting Nutrition



This practice involves blending various ingredients to create a balanced feed ration for chickens, optimizing their growth and production. The basic formulation includes maize or wheat, soybeans, bran, oil press cake, fish and bone meal, poultry supplement, limestone, and salt. The feeds are further processed into mash for chicks or pelleted for larger birds.

International Livestock Research Institute (ILRI)
Tunde Amole

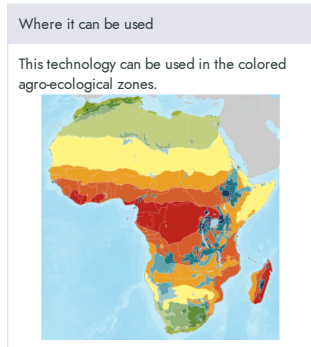
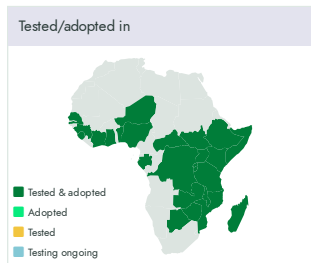
Technology from
ProPAS

Commodities
Poultry

Sustainable Development Goals

Categories
Pre-production, Equipment, Animal feed production

Best used with
Cassava Peels for Animal Feed Production
See all 1 technologies online



Target groups
Breeders, Farmers

This technology is **TAAT1 validated**.
 9-9
 Scaling readiness: idea maturity 9/9; level of use 9/9

Project adoption (2)
Technology integrated in the ENSURE, and PADDAMAG projects, in Guinea.

Inclusion assessment **4**

Climate impact **6**

Problem

- Limited access to safe and low-cost poultry feed inhibits enterprise profitability and expansion.
- Dependence on expensive purchased feeds restricts small-scale farmers from scaling their operations.
- Balancing the ration with the right combination of nutrients is essential for poultry health and productivity.
- Leveraging locally available ingredients for feed production can reduce costs and enhance profitability.

Solution

- Utilizing locally available and seasonal materials for feed production.
- Blending local energy and protein ingredients with purchased additives to create formulated feeds.
- Reducing feed costs through free-ranging practices and using local by-products.
- Implementing proven technologies to improve local meat and egg supplies.

Key points to design your program

This technology enables the local production of scientifically balanced poultry feed using affordable, locally available ingredients. It can be integrated into poultry value chain development, food security, livestock commercialization, import substitution, youth and women entrepreneurship, and rural livelihood programmes. By reducing dependence on imported feed ingredients and strengthening local feed manufacturing, the technology lowers production costs, improves poultry productivity, and creates new agribusiness opportunities for local enterprises. It supports SDGs 1 (No Poverty), 2 (Zero Hunger), 8 (Decent Work and Economic Growth).

To successfully integrate this technology, consider the following key actions:

- Identify poultry production areas where affordable, quality feed is a major constraint to productivity and enterprise growth.
- Establish partnerships with ILRI, research institutions, extension services, feed manufacturers, and producer organizations to strengthen local feed production systems.
- Strengthen technical capacity on feed formulation, quality assurance, feed processing, business management, and the use of locally available feed ingredients while supporting enterprise development and demonstration activities.
- Monitor feed quality, production costs, poultry performance, enterprise profitability, technology adoption, and programme outcomes.



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<https://taat.africa/kzu>

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