

# 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.



Un poulet se nourrissant d'asticots riches en protéines

**ILRI**  
INTERNATIONAL  
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**International Livestock Research Institute (ILRI)**  
Tunde Amole

Technology from

[ProPAS](#)

Commodities

Poultry

Sustainable Development Goals



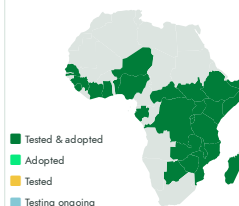
Categories

Pre-production, Equipment,  
Animal feed production

Best used with

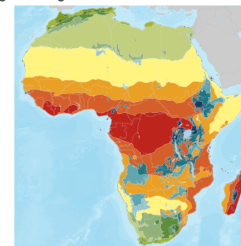
• [Cassava Peels for Animal Feed Production](#)

Tested/adopted in



Where it can be used

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



Target groups



This technology is **TAAT1 validated**.

9-9



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

Gender 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.

Cost: \$\$\$ **3,000—36,000**

USD

per machine

ROI: \$\$\$ **60 %**

reduction of feed cost

**100—200 kg**

feed production per hour

**5 years**

life span



Open source / open access



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<https://e-catalogs.taatafrica.org/org/technologies/local-production-of-quality-affordable-poultry-feed>

Last updated on 15 July 2024, printed on 10 December 2024

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