Equipment for feed production: Cassava Peels for Animal Feed Production

Affordable animal feed for breeders

This technology streamlines the conversion of cassava peels into animal feed, reducing labor costs and drying times while extending shelf life. It tackles environmental issues caused by excess cassava peels and provides a sustainable solution by utilizing them as valuable animal feed and fiber sources.

ILRI
INTERNATIONAL LIVESTOCK RESEARCH INSTITUTE

International Livestock Research Institute (ILRI)
Tunde Amole

This technology is TAAT1 validated.

Scaling readiness: idea maturity 7/9; level of use7/9

Project adoption 1

Technology integrated in the ENSURE project.

Inclusion assessment 4

Climate impact 7

Problem

- Cassava processing generates large peel quantities, leading to environmental issues through dumping and burning.
- Despite their potential as animal feed, peels remain underused due to drying constraints, aflatoxin risk, and poor storability.
- African communities face shortages of nutritious animal feeds, impacting livestock and fish rearing.

Solution

- Converts cassava peels into animal feed efficiently, reducing costs and extending shelf life.
- Ensures animal and consumer health by preventing harmful substances in the final product.
- Promotes rural job opportunities and business growth.
- Offers cost-effective and nutritious alternatives to traditional feed sources like maize and wheat.

Key points to design your program

quipment for Feed Production: Cassava Peels for Animal Feed Production can be integrated into livestock development, cassava value chain development, circular economy, and rural enterprise programs to reduce processing waste, lower feed costs, and increase livestock productivity. Its adoption contributes to **SDGs 1, 2, 3, 8, 12, and 13**. To integrate this technology into your project, plan and budget for the following activities and prerequisites:

- **Facilitate access** to cassava peel processing equipment and essential feed production facilities.
- **Establish partnerships** with ILRI, cassava processors, livestock producers, and feed manufacturers.
- **Conduct** demonstrations and training on cassava peel processing, feed production, and equipment operation, and **monitor** technology adoption, feed production, and reductions in processing waste.

1,000 USD	600 USD	850 USD	400 USD	IP
Cost of a motorized grater	Cost of a press with hydraulic jack	Cost of a motorized pulverize	Cost of a mechanical sieve	Open source / open access

Technology from

ProPAS

Commodities

Cassava

Sustainable Development Goals

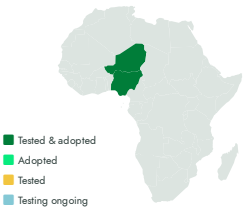
Categories

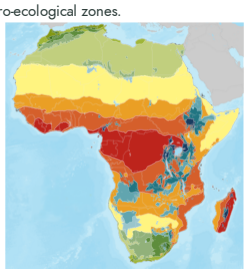
Postharvest, Equipment, Animal feed production

Best used with

Pneumatic Cassava Dryers
See all 1 technologies online

Tested/adopted in



Where it can be used

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