

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.



This technology is **TAAT1 validated**.

7-7



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

3,400 USD

The base equipment required for small-scale processing of cassava peels into animal feeds

1,000 USD

Cost of a motorized grater

600 USD

Cost of a press with hydraulic jack

850 USD

Cost of a motorized pulverize

400 USD

Cost of a mechanical sieve



Open source / open access

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 business plan

For Manufacturers:

Manufacturers can efficiently convert cassava peels into affordable, nutritious livestock feed, serving small-scale farmers, poultry, and fish farmers. Collaborating with local cassava growers reduces raw material costs. An initial investment of around USD 3,400 is required for equipment, alongside ongoing operational and marketing expenses.

For Users:

End users benefit from cost-effective, nutritious feed, enhancing livestock health and farm profitability. By collaborating with local feed suppliers, they can access reliable, affordable feed. Profitability can be assessed by comparing cassava peel-based feed with traditional alternatives, especially in areas with limited access to quality feed.

Gender assessment

4

Climate impact

7



International Institute of Tropical Agriculture (IITA), International Livestock Research Institute (ILRI)
Tunde Amole

Technology from

[ProPAS](#)

Commodities

Cassava

Sustainable Development Goals



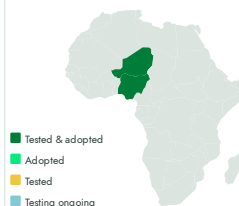
Categories

Transformation, Equipment,
Animal feed production

Best used with

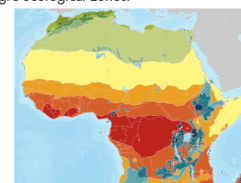
- [Pneumatic Cassava Dryers >](#)

Tested/adopted in



Where it can be used

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



Equipment for feed production

<https://taat.africa/gkl>

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