

Affordable Fish Feed Production: Formulation and Pelleting of Low-Cost Feeds

Empowering Aquaculture with Affordable Feeds



The technology "Formulation and Pelleting of Low-Cost Feeds" aims to reduce the cost of fish feeds in Sub-Saharan Africa, where fish farms spend about 60-70% of their budget on imported feed. It promotes the use of local resources to produce quality, cost-effective and balanced fish feeds. This innovation could enhance the profitability and sustainability of fish farming businesses.



This technology is **TAAT1 validated**.

8-8



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

Cost: \$\$\$ **1,200 USD**

Production of 1 ton

85,000 USD

Equipment of production

Problem

- Fish farming in Sub-Saharan Africa is costly due to expensive feeds.
- A large part of the cost is for imported feed ingredients.
- Simple, unprocessed grains used in feeds lead to poor nutrient transfer and pollution.
- High costs and inefficiencies limit the profitability of fish farming.

Solution

- The technology makes affordable fish feeds using local products.
- Pelleted feeds improve nutrient transfer and reduce pollution.
- Pellets are easier to store and transport, reducing costs.
- The technology allows feed customization for different fish species.

Key points to design your business plan

For Manufacturers: The technology enables the production of affordable fish feeds, reducing reliance on imported ingredients. The main costs involve raw ingredients, equipment, and marketing.

For Resellers: Resellers distribute the manufactured feeds to a wide customer base. Their main costs involve purchasing feeds, storage, transportation, and marketing.

For Users (Fish Farmers): Users gain access to affordable, nutritionally balanced fish feeds, improving profitability. Their main costs involve purchasing feeds and operational costs associated with fish farming.

Gender assessment

4

Climate impact

7



WorldFish

Bernadette Fregene

Technology from

ProPAS

Commodities

Fish

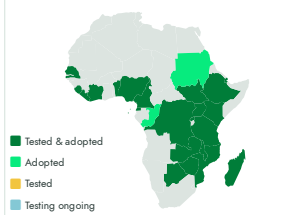
Sustainable Development Goals



Categories

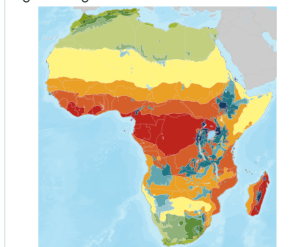
Production, Inputs, Fertilizer

Tested/adopted in



Where it can be used

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



Target groups

Breeders



Affordable Fish Feed Production

<https://taat.africa/yhv>

Last updated on 22 May 2024, printed on 15 May 2025

Enquiries e-catalogs@taat.africa