

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

Empowering Aquaculture with Affordable Feeds




WorldFish
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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**.
  **8x8**
 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

Technology from
ProPAS

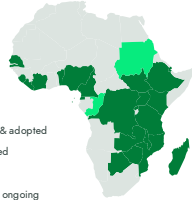
Commodities
Fish

Sustainable Development Goals



Categories
Production, Inputs, Fertilizer

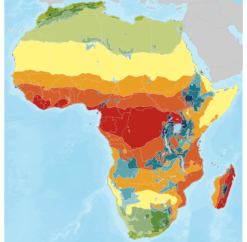
Tested/adopted in



- Tested & adopted
- Adopted
- Tested
- Testing ongoing

Where it can be used

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



Target groups
Breeders

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**

