Hapa Nets for Fingerling

Hapa Nets for Mass Fingerling Hatchery Production

The "Hapa Nets for Mass Fingerling Hatchery Production" technology is cage-like enclosures in ponds to manage fish breeding and growth. Made of affordable materials, these nets enhance fingerling production by protecting fish from predators and controlling breeding conditions. They are adaptable to various aquaculture species and water bodies, improving overall production efficiency.

This technology is TAAT1 validated.

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

Cost: $$$ **1 USD**

Per square meter

150—900 fingerlings per square meter

Production in hapa

8—20 fish farmers

Number of fish farmers in a single hatchery

IP

Open source / open access

Problem

- Inadequate supply of high-grade fingerlings from improved fish breeds
- Poor and uneven growth rates, and high fingerling mortality in open ponds
- Predation by birds, reptiles, amphibians, and aquatic insects
- Difficulty in monitoring and managing brooders, hatchlings, and juveniles

Solution

- Safeguarding brooders, hatchlings, and juveniles from predators and other fish.
- Easing the management of brooder, fry, and fingerlings, enabling closer monitoring and adjustment of breeding, feeding, or aeration regimes.
- Increasing fertilization rates, promoting even growth of fish seed, and reducing mortality, leading to higher production of fry and fingerlings per unit area.
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Key points to design your business plan

- The Hapa Nets for Mass Fingerling Hatchery Production technology streamlines fingerling production.
- It offers a cost-effective solution for fish farmers, optimizing breeding conditions and improving fingerling survival rates.
- Construction materials typically cost around US $1 per square meter, with finer meshes incurring additional expenses.
- Monthly fingerling production in hapa nets ranges from 150 to over 900 fingerlings per square meter.
- This technology is available in various African countries, including Zambia, Uganda, Togo, Tanzania, Sudan, and many others.
- Collaboration with agricultural development institutions and agro-dealers is essential for successful implementation.
- Integration of complementary technologies like All Male Tilapia Fingerlings and Hybrid African Catfish can further enhance efficiency and productivity.

Gender assessment 4

Climate impact 5

WorldFish
Bernadette Fregene

Technology from

ProPAS

Commodities

Fish

Sustainable Development Goals

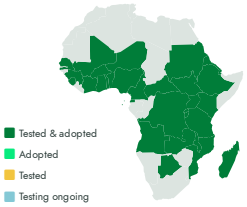
Categories

Production, Equipment, Aquaculture Systems

Best used with

- All Male Tilapia Fingerlings with Greater Yield and Uniformity ›
- Fast Growing and Hybrid African Catfish ›

Tested/adopted in



Where it can be used

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