

Introducing **The Backyard Fish Farm** *from*



- Fresh and Saltwater versions available
- Complete Fish Farm For Home or Education
 - Ready to Begin Operation
 - Capable of Handling 20-40 Kgs of Fish
- Personally grow all the fish for the family's needs.
 - Inexpensive to run.
 - Easy to maintain and manage.
- Adaptable for virtually any species of saltwater or freshwater fish



This is the perfect way to learn about growing fish!!

The knowledge gained here can be directly used when going into aquaculture on a commercial scale, with minimal investment required.

GREAT FOR EDUCATIONAL FACILITIES.

The system is designed to enable ease of management, with minimal maintenance, but enabling many different species to be cultured. The system also comes complete with operating manual.

A GREAT EDUCATIONAL TOOL FOR SCHOOL STUDENTS

Learn about:

Chemistry

- Dissolved oxygen
- Nitrogen cycle
- Monitor changes in pH, carbonate hardness general hardness, etc
- Observe reactions (cause and effect)

Mathematics

- Predict growth rates
- Calculate food conversion ratios

Biological Science

- Monitor growth rates
- Fish biology
- Fish characteristics (e.g, breeding, eating habits, etc)

Physics

- Water flow characteristics
- Airlift operation

Students also learn responsibility in caring for live fish and can learn a great deal about Australia's fresh & saltwater fish species.

DESCRIPTION

Water from the culture tank, which has a slightly sloping bottom to a central drain (standing on legs), is removed both from the surface and at the bottom of the drain creating a self cleaning action. The water from the culture tank flows into a solids filter, through the biological filter and back into the tank by a low energy water pump.

This fish farming unit comes complete with equipment to start fish farming.

This equipment includes:

- 2,500 litre culture tank (specifically designed for Aquaculture)
- Biological filter (including ovi-flow biological media)
- Solids filter and filter material
- Nitrococcus sp. and Nitrosococcus sp. or Nitrosomona spp. and Nitrobacter sp. bacteria for biological start up
- Test kits: (Ammonia, Nitrite, Nitrate, pH Marine/pH Fresh, Carbonate Hardness)
- Magnetic drive pump
- All plumbing
- Protective netting
- Tube thermometer
- Syphon hose
- Swivel joint scrubber and handle
- 1Kg KH Generator
- 1 litre Water Purifier
- 1 Kg Tropical Water Conditioner

Accessories:

For salt water Back Yard Fish Farms:

- 5 x 600L synthetic sea salt
- Protein skimmer for salt water (sold separately Code: PPS02)

There are many other options that can be incorporated depending on preference or level of automation for the system to be run at. Just some of these include:

- "Guide to intensive fish farming"
- Electronic water quality monitors (e.g, pH, Oxygen)
- Catching nets
- Window in the side of the tank
- Electronic temperature monitor
- Automatic feeders and timer/controller
- Auto top-up facilities
- Food
- Heaters

PLEASE FEEL FREE TO CONTACT US WITH ANY FURTHER ENQUIRIES

The entire system could easily fit into your garage as it only takes up an area of approximately 2.2m x 2.8m. It is also very inexpensive to run, as the Magnetic Drive Pump only runs on 50 watts (less than the cost of running a light globe).



 **AQUASONIC**

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All prices are subject to 10% GST. Freight is FOB Wauchope. All prices are in Australian dollars. Prices are subject to change without notice. All prices are nett.