

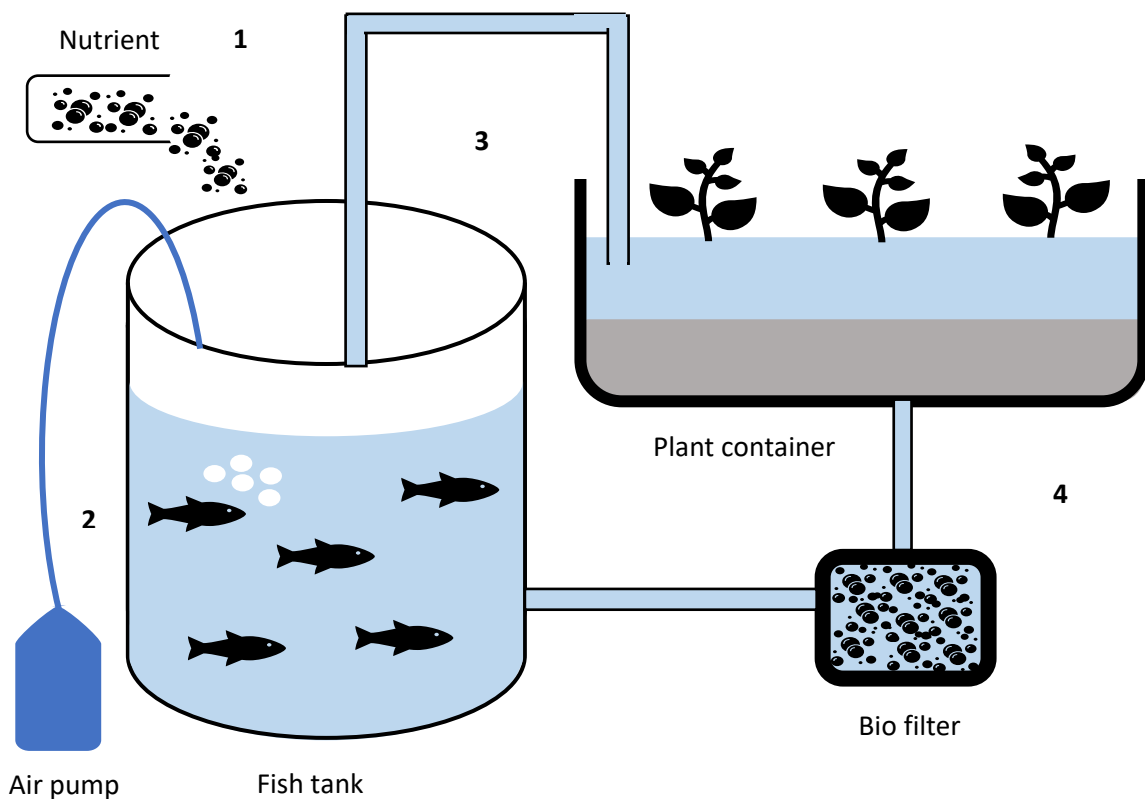
# TECHNICAL SHEET

## Plastic ponds for fish production using a water flow system

### Definition of a pond

According to the Larousse French Dictionary (2020), a pond is a body of stagnant water, natural or artificial, usually smaller in size and depth than a lake. Pond fish farming allows for water control and facilitates the control of the fish population. The plastic pond is the material (often plastic tanks of a certain size) that allows the containment of water that provides the right conditions for fish to thrive. However, the plastic pond has a water circulation system that allows the renewal of the cultured fish ecosystem. It has the advantage of being installed anywhere.

### Example of a fish production process in a plastic pond



**Figure 1:** Fish farming process using a plastic pond : aquaponics cycle (source : <http://www.fao.org/3/br812F/br812F.pdf> )

1. The fish are fed a natural diet
2. The air pump provides oxygen to the fish
3. Water from the fish loaded with waste and nutrients feeds the plants
4. Plants filter the water for the fish

### **Characteristics of the technology**

Plastic ponds :

- can be installed anywhere ;
- are suitable for the production of fingerlings, table fish and broodstock;
- are available in Nigeria.

### **Bibliographic references**

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### **Other references**

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