CATFISH FARMING IN NIGERIA:

CULTURE SYSTEMS CONSTRUCTION AND MANAGEMENT

For more Catfish info, sales and consultancy
CATFISH NIGERIA
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PREAMBLES DEFINITION OF TERMS

• **SYSTEM**: combination of related parts organized into a complex whole.

• **POND** is a water body usually surrounded by concrete, earthen or other suitable materials or liners as walls. The functional parts of a pond are:

  • **INLET DEVICES**
  • **OUTLET DEVICES**
  • **POND BOTTOM**
  • **POND WALLS OR EMBARKMENTS**

• **CONSTRUCTION** is the act or manner of putting or fitting things together.

• **MANAGEMENT** is this coordination of both human and material resources for a particular objective set before an organization.

BUSINESS OPPORTUNITIES IN FISH FARMING

• Breeding of fingerling and juveniles.
• Production of table sized fish.
• Brood stock production
• Processing and Packaging of fish for local and export market
• Fish feed production, importation and feed additives blending.
• Sale of aquaculture equipments (hormones nets, water test kits etc)

Fish farming is the **CONTROLLED** rearing of aquatic organisms (these includes fin, shell fish and aquatic plants in an artificial environment called **PONDS**.)
It requires direct intervention in the target organism’s production. Control exercised includes:
• Pond system/design
• Specie selection
• Stocking density
• Feeding regime
• Water quality management
• Disease control/treatment
• Marketing/sales
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FORMS OF FISH SUPPLY
Fish supply come from principally from four different sources viz:
□ Industrial/trawl fisheries
□ Artisanal fisheries
□ Imported fish
□ Fish farming

ADVANTAGES OF FISH FARMING OVER OTHER FORMS OF FISH SUPPLY
• It allows for sustainable fish production
• Fish growth in ponds can be monitored/controlled.
• Only desired species of fish are cultured.
• It is environmentally friendly as such can be located in residential areas.

FISH CULTURE SYSTEMS
EXTENSIVE:
• In this system no control is exercised the fishes stock is allowed to forage on their own. It is usually carried out in lakes, dams and large earthen ponds

SEMI INTENSIVE:
• Limited control is exercised e.g. stocking and periodic changing of water, feed is usually a combination of formulated feeds and feed substitutes.

INTENSIVE SYSTEM:
• Under this system the entire production system is automated with water exchange between ponds and filters going on continually, feeding is intensive and usually formulated or extruded feeds.
TYPES OF PONDS
• EARTHEN PONDS
• CONCRETE PONDS
• MOBILE FISH POND SYSTEMS
• CAGE AND PEN CULTURE SYSTEMS

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