



# INVESTMENT OPPORTUNITY

# NILE TILAPIA

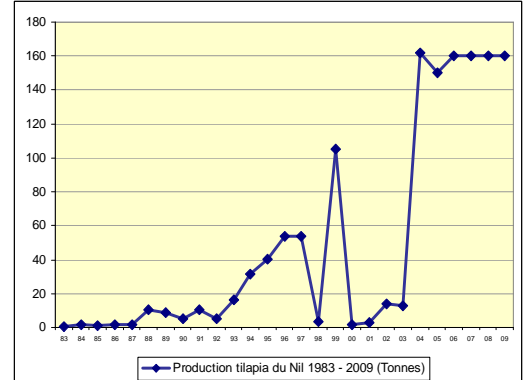
(*Oreochromis niloticus*)

## Overview of the sector

**Before 2000:** The production of Nile Tilapia from aquafarm started in Senegal in 1983 and never reached 100 tons a year except in 1999 when the production was estimated to 105 Tons.

**After 2000 :** Nile Tilapia production has dropped between 2000 and 2003, and then increased to reach 160 tons a year (current figures) thanks to private investments, to the development of capture ponds and institutional support of the Senegalese government mainly through ANA.

## Production of Nile tilapia in Senegal



## Why investing in this sector?

**Market:** Fisheries production drop in Senegal favoured the introduction of species from aquaculture including Nile Tilapia. ♦ Several countries in West Africa region face a fish products gap and Tilapia price can be high.

**Competitive Potential:** Water temperature in Senegal enables to reach the commercial size more quickly than in other producing countries with the possibility to harvest twice a year.

♦ Major Tilapia producing countries are China (47.6% of world production), Egypt (16.5%) and, Indonesia (12.5%) and Thailand (10.3%).

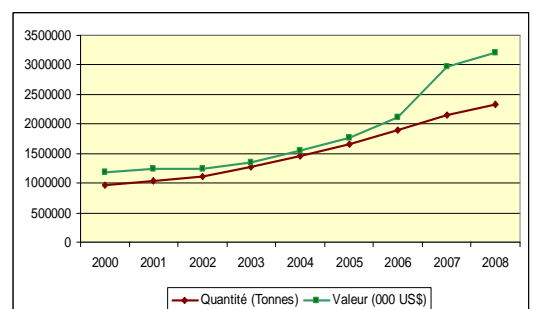
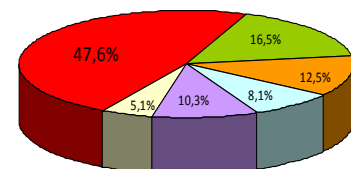
♦ Farming conditions in Senegal can make Tilapia production very competitive in west African markets.

**Establishment conditions:** There are many watercourses for the establishment of farms for intensive Nile tilapia production, whether in ponds or in cages.

♦ Despite the lack of factories manufacturing quality food for fattening, raw materials for food production can be found in Senegal without imports.

## World Nile tilapia production

Tilapia du Nil (*Oreochromis niloticus*)





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## NILE TILAPIA (*Oreochromis niloticus*)

### Nile Tilapia : How to produce

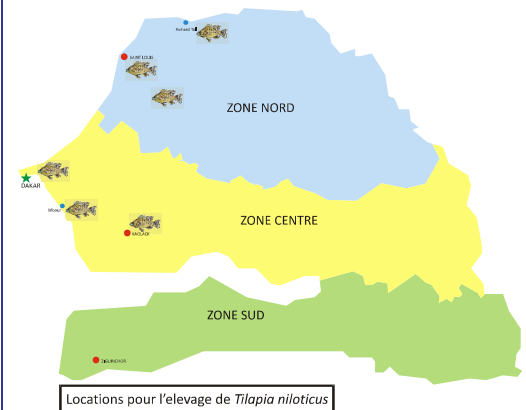
**Where to produce:** It is possible to develop Nile Tilapia farming in the regions of Saint-Louis and the Small coast area in intensive closed circuit farming including a hatchery and an integrated factory. It is also possible to make relocation in the regions of Dakar, (*for Saint-Louis production*) and Kaolack (*for the Small coast production*), as semi-industrial or industrial project

**Recommended investment:** The typical facility for Nile Tilapia farming shall be proportioned to a yearly production of 300Tons in order to guarantee profitability. ♦ This production will be mostly destined to domestic consumption and exports to the west Africa countries.

#### Establishment phases to consider :

- ♦ **Phase 1 :** Location of the most appropriate area to establish the aquafarm. ♦ Requesting and obtaining land for the establishment of the hatchery, ponds for breeding stock, alevins and fattening and any other installations necessary for the aquafarm. ♦ Construction of facilities and acquisition of materials and equipment.
- ♦ **Phase 2:** Purchase of alevins for fattening them and get breeding stock that make the production of next generations.
- ♦ **Phase3 :** Production of commercial size Nile Tilapia from alevins born in the facility. Distribution in the Senegalese market at 1,000 and 1,500 Cfa F/ kg or exporting them to West African markets.

### Suitable areas for Nile Tilapia farming in Senegal



### To investigate

Algae production for the feeding of Nile Tilapia larva



Production of quality food for Nile Tilapia fattening



→ **Tilapia reproduction (*Oreochromus Niloticus*) is not difficult , which means it is not necessary to make sophisticated hatchery**

