



INVESTMENT OPPORTUNITY

NILE TILAPIA

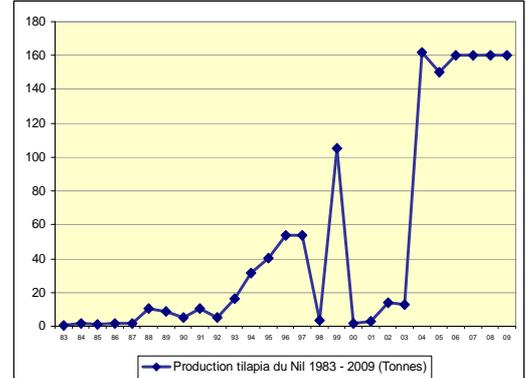
(*Oreochromis niloticus*)

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%).

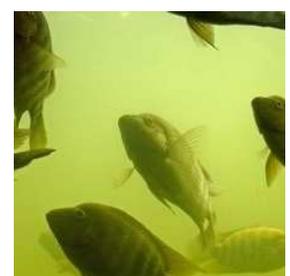
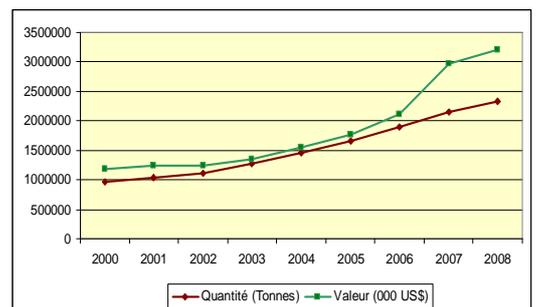
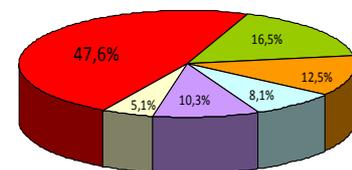
♦ Farming conditions in Senegal can make Tilapia production very competitive in west African markets.

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

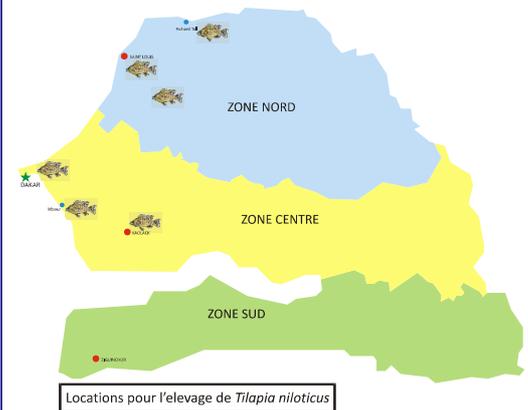
Where to produce: It is possible to develop Nile Tilapia farming in the regions of Saint-Louis and the Small coast area in intensive closed circuit farming including a hatchery and an integrated factory. It is also possible to make relocation in the regions of Dakar, (*for Saint-Louis production*) and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

