

Tilapia Farming: The Need for Equipment and Supplies

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- Tilapia is now one of the main farmed aquatic species and a commodity with wider distribution than salmon in term of geographical regions where it can be farmed.
- Because of its versatility as a fish product, the consumer acceptance for tilapia is wider and bigger than the acceptance for any other fish species. And the market are increasing!
- Even tough, in general terms, farming technology is still very artisanal and most of the work involves intense manual labour.
- Modernization and technological upgrade, mechanization, less laborious practices are vital to attain scale of production and competitive prices in a growing and globalized market.
- There are a lot of costs that can still be reduced with the adoption of proper technology for tilapia farming.

























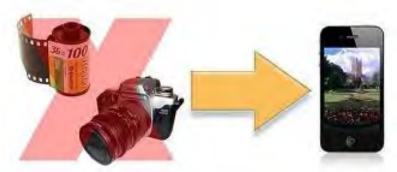
One of the factors that slow down aquaculture development is the lack of information about the technology already available.

As more information the fish farmer gets about aquaculture equipment, bigger is the chance to improve the business yield and profitability.



Rule # 1

- What you learned yesterday will certainly change tomorrow.
- Evolution is a natural and inevitable process that comes to improve processes and make human live easier, so it makes more sense to adapt rather than fighting against it.





Rule # 2

- Don't try to "reinvent the wheel"
- Aquaculture is an industry with constant and fast improvement. More than in any other business, it is important that you understand that are no advantages in repeating mistakes already made by others.







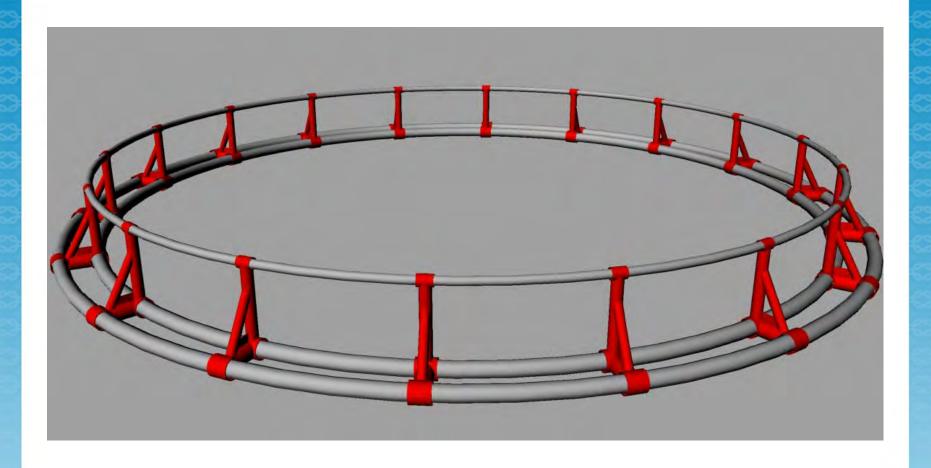
- When selecting a equipment farmers must consider not only price, but how many fish the equipment will produce during its life time, and also the implications in production costs.
- When buying products or contracting services, many of us developed a mentality of buyer per the less possible price.
- We look only for the price and not to the value of what we are buying.
- When buying equipment, three other aspects needs to be considered: I) Product quality; II) Efficiency and III) Running and labour costs.



	Tq-rede	Tanque 9x9 mts				Tanque 6 Ø mts	Tanque 11,3 Ø mts	
Items	2x2	9x9/EM/2/200 PN6	9x9/EM/2/200 PN8	9x9/EM/2/225 PN6	9x9/EM/2/225 PN8	6D/UM/2/140 PN6	11D/UM/2/200 PN6	11D/UM/2/225 PN6
Altura (mts)	2	9	9	9	9	6	11	11
Largura (mts)	2	9	9	9	9			
M2 Totales	4	81	81	81	81	28	100	100
Profundidade (mts)	2	3	3	3	3	3	3	3
M3 Totais	6	243	243	243	243	85	301	301
Valor Unitario (US)	800	11.900	13.000	13.200	14.200	4.500	10.400	11.300
Duração (anos)	2	10	10	10	10	10	10	10
Valor M3 (US)	133	49	53	54	58	53	35	38
Valor M3/Ano (US)	67	5	5	5	6	5	3	4

Farming densities are lower in big volume cages (50 kg/m³) than in small volume cages (150 − 200 kg/m³).

A 15mts Ø and 3 m depht. (530 m³) can produce 25 tones, the equivalent of 25 small volume cages.



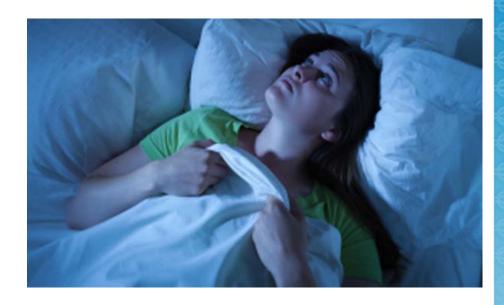


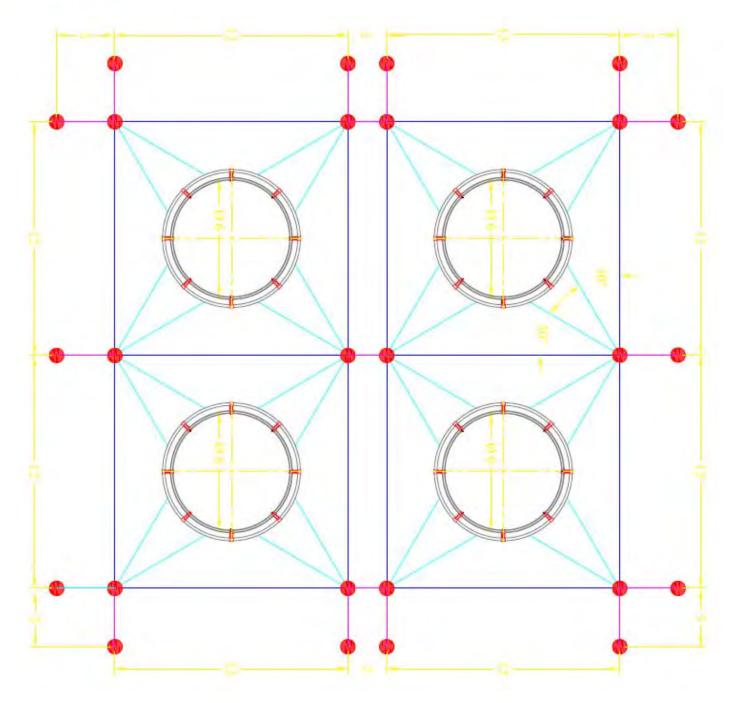


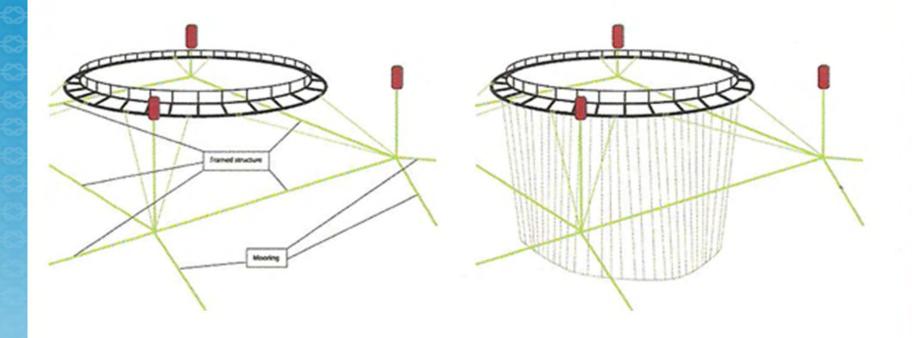


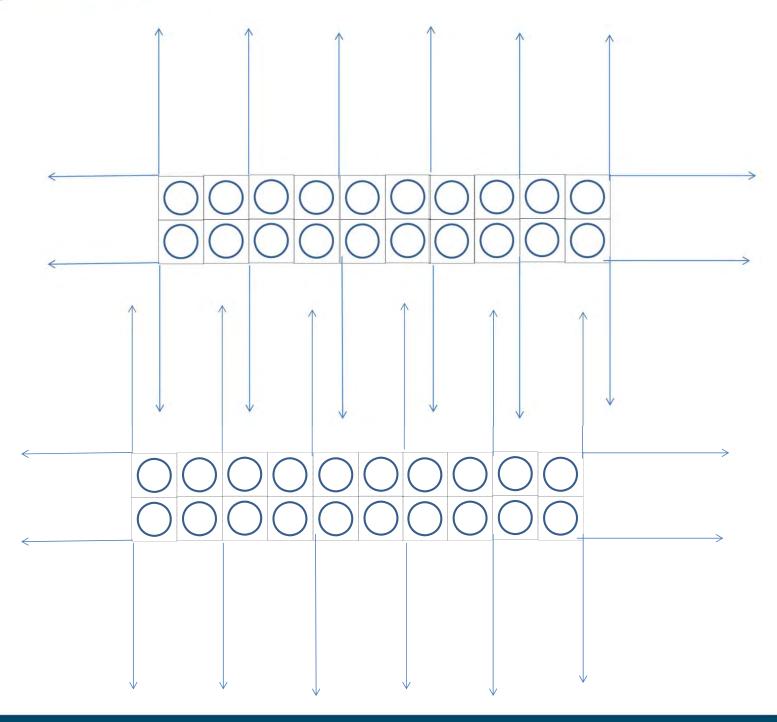














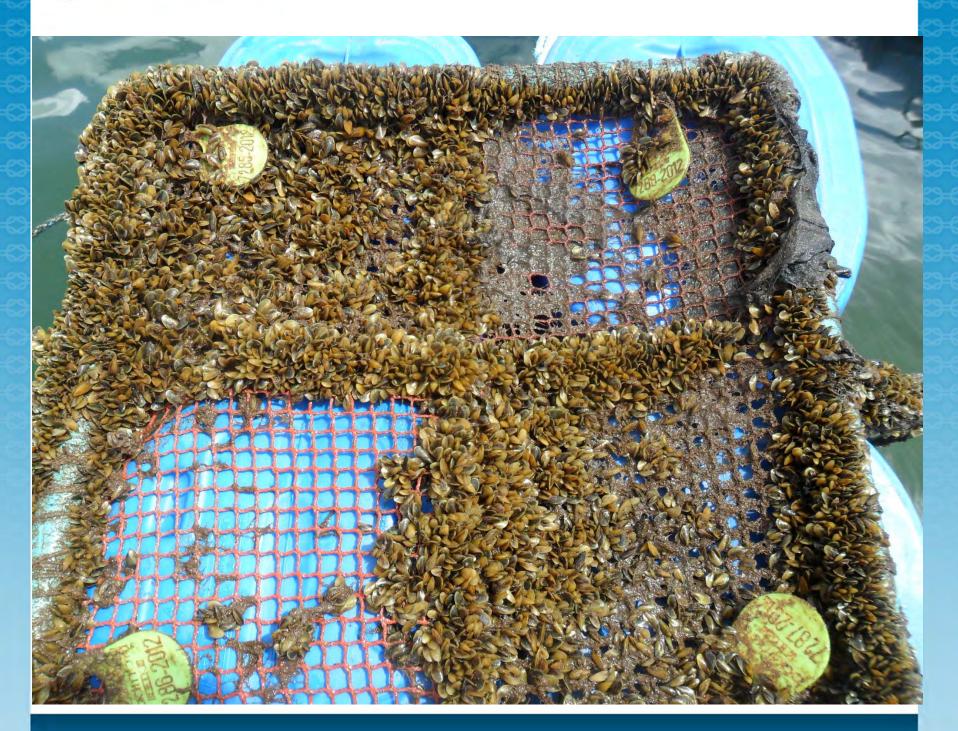










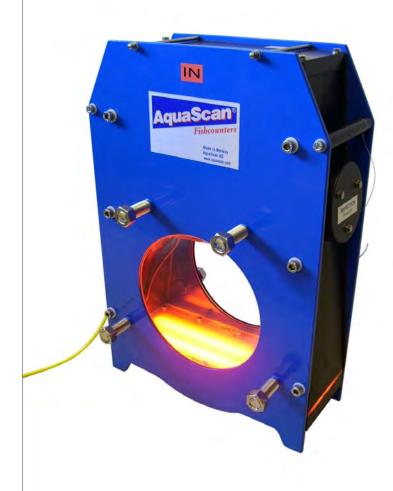










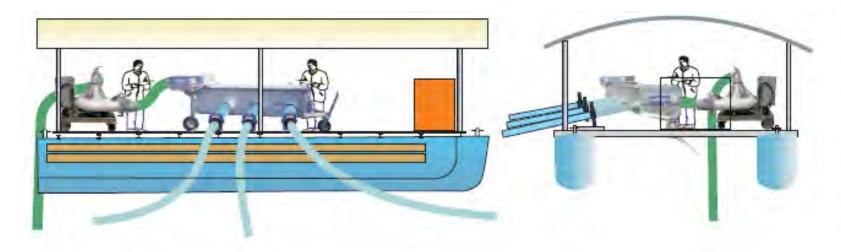


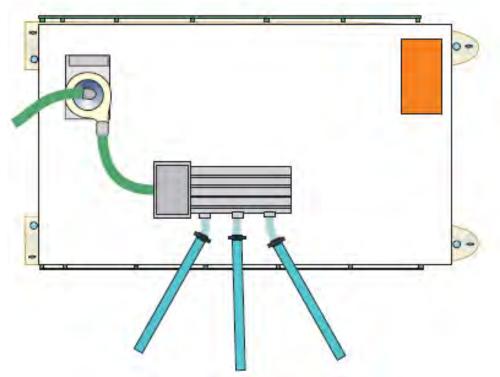












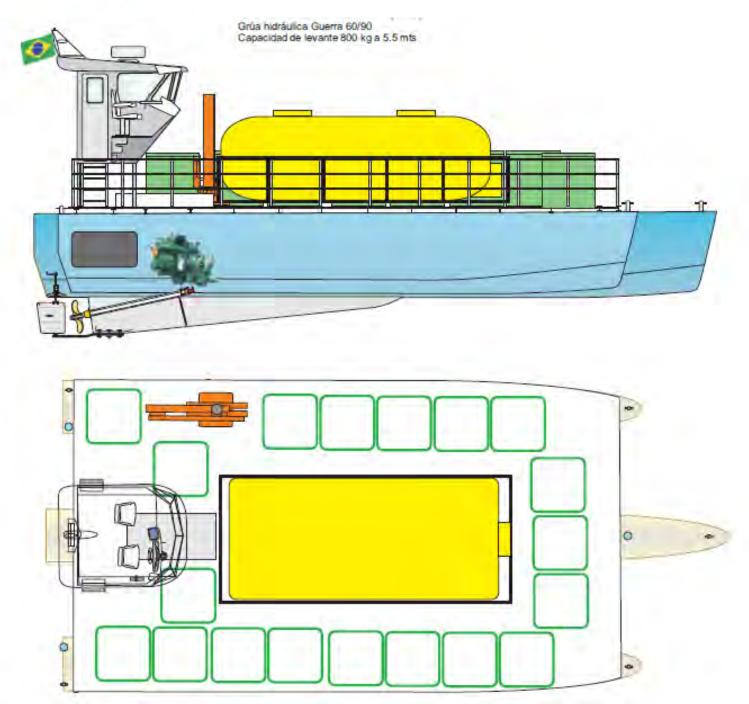
Esiora total pontones 11.0 mts
Esiora de cubierta 10.0mts
Manga total 6 mts
Superfice cubierta principal. 60 m2
Bitas de acero inoxidable en las 4 esquinas.
Capacidad de carga 6 toneladas
Bases para instalar tablones de protección a las atracadas en ambos costados.













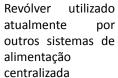




Novo sistema de distribuição bidimensional da matriz, que nos permite passar de um extremo ao outro duas vezes mais rápido que os sistemas atuais com revólver

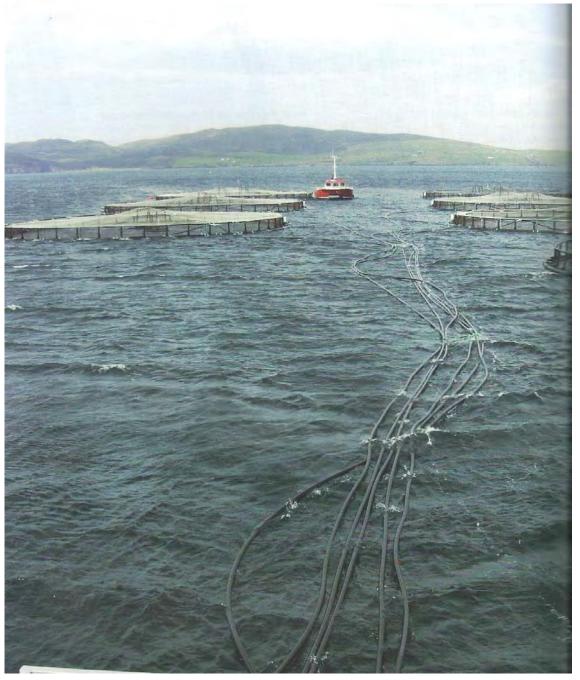


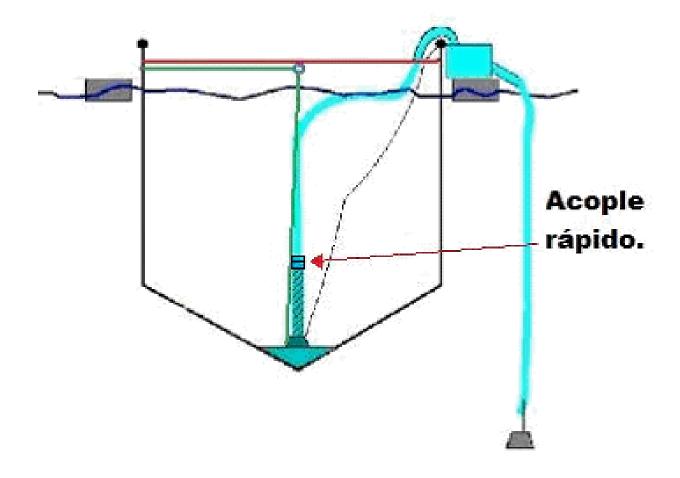




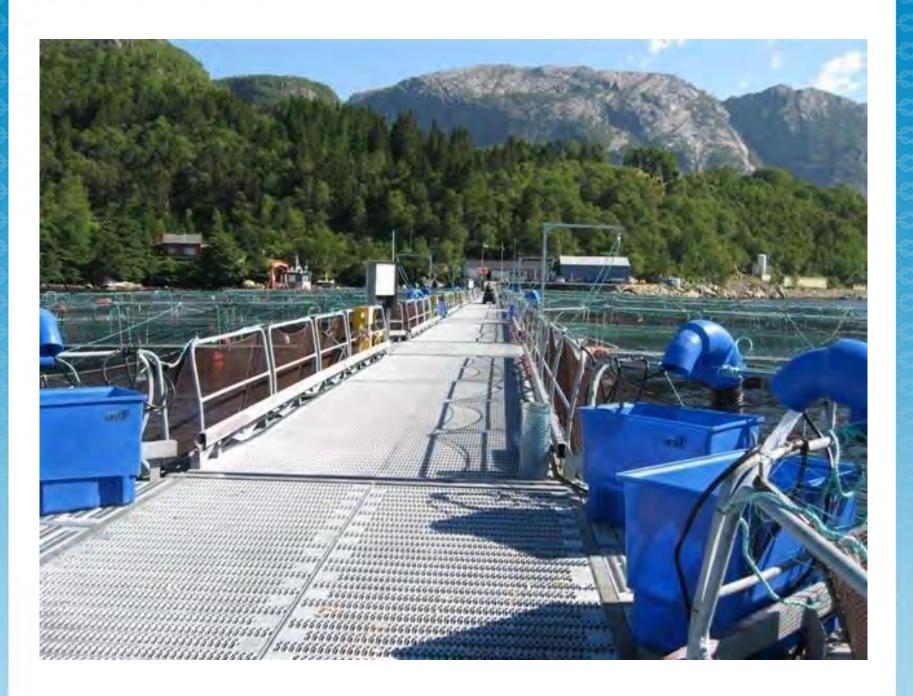










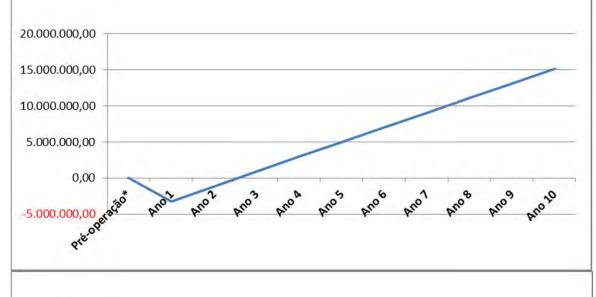


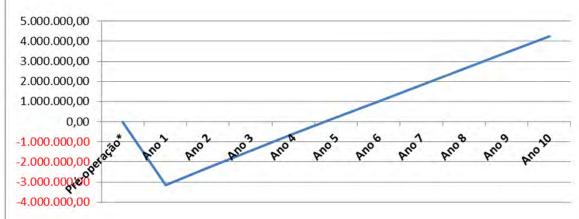


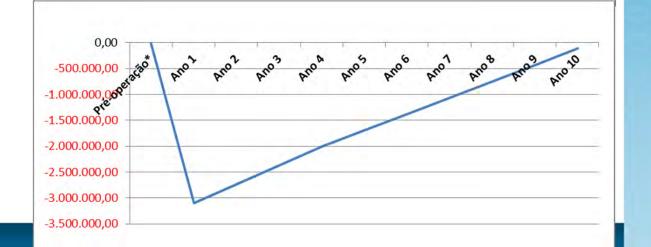
2000 ton/year

1600 ton/year

1440 ton/year









Remarks

- When making this step, make sure you bring also the other leg!
- Be prepared to invest in the best available technology.
- The joke is: "How to make a small fortune in aquaculture? You start with a big fortune!" You will need capital!!



www.marineequipment.com.br



Obrigado!



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