

Some of our regular customers

Europe:

Ward Tilapia - UK
Lockwood - UK
AB Fish - UK
Kirschauer Aquakulturen - Germany
GlobalFish - Poland
Granjas Piscícolas del Sur ARCO - Spain
Ichthys - Switzerland
Ekofisk - Sweden
Wageningen RU - The Netherlands
SPAROS - Portugal
RU Gent - Belgium
Sillikas - Latvia
Oskars - Latvia

Africa:

Durante - Nigeria
HydroFish - Ivory Coast
Ferme piscicole Diallo - Mali
West African Fish - Ghana
Jambo Fish - Kenya
Lakeside Fish farm - Rwanda
Asmak Nile - Morocco

America:

Til-Tech - US
Miami Aquaculture - US

Latin America:

HonduTilapia - Honduras
Taiwan Mission - Guatemala
Soto - Dominican Republic
Taiwan Mission - Dominican Republic
Aqua-TilGen - Ecuador

Middle East:

PlantFarm - Dubai
Moho - Qatar

For more references please contact us



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Til-Aqua's

YY Technology

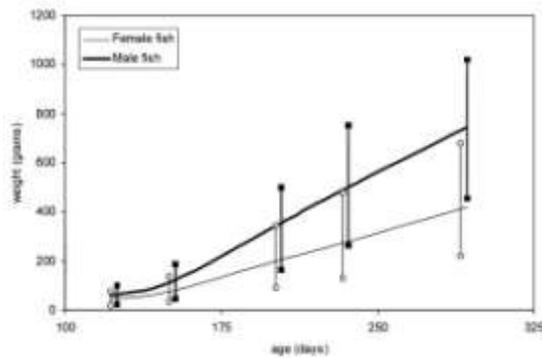


Natural Male Tilapia

Why?

Why use all-male only?

- Males grow much faster



- with a much lower FCR

Group	Monosex male	Monosex female	Mixed		
			male	female	
Growth	Initial Weight (g)	12.8 ± 0.7	9.8 ± 1.0	12.2 ± 0.4	9.8 ± 0.8
	Final Weight	70.1 ± 2.1	42.8 ± 1.2	56.4 ± 2.0	40.1 ± 1.0
Voluntary Feeding (%)	3.6 ± 0.1	3.9 ± 0.1	4.1 ± 0.1		
Feed Conversion Ratio	0.98 ± 0.04	1.13 ± 0.03	1.22 ± 0.03		

Why Til-Aqua's YY?

- No hormones involved at all through out the whole process.
- No other Tilapia farms in The Netherlands – no disease pressure.
- Completely closed system.
- Sustainable process.
- Two completely different lines : heterosis effect and no inbreeding.
- Always Works !
- Better perception from customer/consumer.
- No environmental damage.
- No ecological damage.
- No contact with hormones by staff.
- Hormones interact negatively with the fish immune system.

No hormones involved:

Til-Aqua's process for the production of YY-males and YY-females is completely without the use of hormones. The complete process is temperature controlled.

No other farms — no disease pressure:

Til-Aqua's Tilapia hatchery is the only Tilapia farm in The Netherlands. Therefore there is NO risk of contamination from other farms.

Complete enclosed recirculation system:

Til-Aqua's hatchery is an indoor hatchery making use of only recirculation systems where the production is fully controlled and predictable.

Til-Aqua's strictly controlled breeding program, has successfully resulted in various performance improvements, and yet prevented inbreeding issues whilst avoiding the introduction of foreign organisms for the past 10 years.

Sustainable process:

With the use of RAS the water and energy use is limited. Waste water is treated before discharge.

Two different lines:

Each Til-Aqua strain (Red and Wildtype) consists of two lines: one YY-line (YY-male and YY-female) and a normal mixed sex line. Resulting in heterosis, and therefore, very strong offspring without any signs of inbreeding.

Always Works!:

In contrast to the use of hormones, Til-Aqua's YY technology works always: Red NMT > 98% males and Wildtype > 96% males.

Better Consumer Perception:

Hormone-treated food is increasingly becoming an unapproved practice worldwide, especially in the EU and US! As soon as this is more widely recognized by the ever more demanding end-consumer, it can result in serious market issues to the non-complier producer.

No environmental damage

Research shows inverse effects of nano-concentrations of Testosterone in the environment causing high female ratios. The testosterone is bound in the soil and slowly releases to the environment.

No ecological damage

2010; 150,000 sex-reversed Tilapia escaped from the cages

In Lake Volta, Ghana.

Consequences: the local wild Tilapia population inter-breeds with the escaped S-R male population, which is 50% genetically female with XX-sex chromosomes.

The resulting progenies will have high female-ratios; not really appreciated by the local fisherman and a disaster for the local ecosystem.

No contact with hormones

In most cases, the preparation of hormone-feed for the sex reversal is not really a safe process in most of the cases. Hormones are mixed by hand, often without any protection for the hands or the mouth, while being left to air dry. In most countries, the use of hormones in fish is officially forbidden by law but condoned. This means there are no safe, standard procedures in use and a lack of control.

Hormones and immune system in fish

Several scientific articles confirm the negative effect of Testosterone on the development of the fish immune system.

The effect of testosterone on fish skin is well known, mucus is hardly produced allowing parasites and saprolegnia free access, giving rise to bacterial infections.

High mortality (up-to 70%) in sex reverse is generally accepted...



YY-Technology - Supermales
Natural Male Tilapia
(NMT™)