

Uganda National Action Plan on TiLV

By

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Tilapia sectoral information

Tilapia species

- Farmed - *Oreochromis niloticus*
- Wild - *Oreochromis niloticus*, *Tilapia zilli*, *O. esculentus*, *O. leucostictus*

Geographical distribution of farms and hatcheries

- Tilapia farms:
 - 20,000 fish farms distributed throughout the country except in Karamoja region.
 - Fish farms in 110 districts of Uganda
 - 3000 cages on Lake Victoria
- Hatcheries:
 - 44 hatcheries located in 22 districts of Uganda

Geographical distribution of wild tilapia stocks

- Tilapia occur in all the five major water bodies and 160 minor lakes, rivers and wetlands
- Average yearly catches of wild tilapia of 331,200 tons

Average yearly production of farms / hatcheries

- Farms: 74,924 tons of tilapia
- Hatcheries: 84,963,793 tilapia fingerling

Production season

- Throughout the year
- Production cycle is eight months

Available lab facilities

Location

1. Makerere university
 - *Zoology, Entomology and Fisheries sciences*
 - *Veterinary Medicine, Animal Resources and Biosecurity*
 - *Biochemistry*

Capacities

- *Bacteriology/mycology*
Parasitology/ Histopathology,
- *Molecular & Immunoassay*
- *Water quality analysis (Wet Lab)*
- *Bacteriology, Parasitology,*
Molecular, Histopathology
- *General virology*
- *Electron microscope*

Available lab facilities

Location

2. *National Fisheries Resources Research Institute*

3. *National Animal Disease Diagnostics and Epidemiology Centre (NADDEC-MAAIF)*

Capacities

- *Bacteriology, Parasitology, Wet Lab*
- *Parasitology, Histopathology,*
- *General bacteriology/mycology,*
- *General virology & Tissue culture*
- *Molecular & Immunoassay*
- *Wet Lab,*
- *Drug residue monitoring in animal products including fish*

Current known disease occurrence in tilapia populations

Parasites

- Trichodinids
- *Ichthyophthirius multifiliis*
- *Myxobolus* spp.
- *Cichlidoogyrus* spp.
- *Gyrodactylus* spp.
- *Clinostomum* spp.
- Black spot disease

Fungi

- Saprolegnia
- Branchiomyces

Bacteria

- *Aeromonas* sp.
- *Flavobacterium* sp.
- *Edwardsiella* sp.
- *Pseudomonas* sp.
- *Streptococcus* sp.
- *Staphylococcus* sp.

Viruses

- Lymphocystis virus
- TiLV??

Sectoral stakeholders

- Farmers/Hatcheries operator & Farmer Organisations
- Academia & Research organisations
- Line Ministries (Water, Fisheries, NEMA, Transport, Trade and Industry, Health, Vet, PSF, Local Governments)
- Consumers
- Input suppliers esp. Feed manufacturers e.g. Ugachick; Aquafish farm; Sabra and sons; Coughar
- Development Partners

Producer organisations

- Uganda commercial fish farmers association
- Women fish network, Uganda
- Walimi fish cooperative organization (WaFicos)

Scientific or professional societies

- Uganda Aquaculture society
- Aquaculture professionals Association

Emergency preparedness System

- Not available for Aquatic Animal health