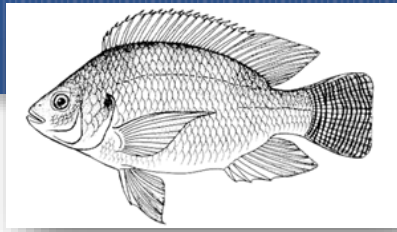


# Tilapia Lake Virus (TiLV)



## TiLV: Significance for U.S. Tilapia Industry

Tilapia Lake Virus (TiLV) is a virus that poses a significant health threat worldwide to Nile tilapia, *Oreochromis niloticus* and hybrid tilapia (*O. niloticus* x *O. aureus*).

## TiLV: Disease

TiLV affects fingerling tilapia with reported death rates in affected populations as high as 90%. Older animals may have a lower mortality rate.

Handling stress (i.e., moving fish between ponds) appears to be a significant risk factor for outbreaks.

The virus survives in both fresh and brackish water.

Direct fish to fish transmission is an important route of infection.

There is no information on vertical transmission (parent to offspring).

TiLV mainly affects tilapia eyes, brain and liver.

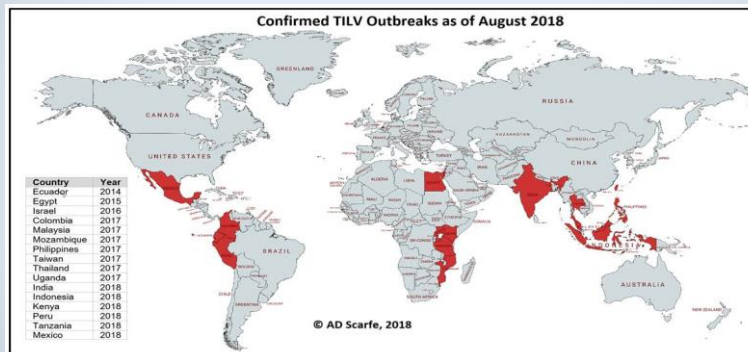
- Eyes may be cloudy, bulging or shrunken,
- Skin lesions may be present,
- Fish may be slow-moving and off feed.

TiLV does not affect humans.

that the fish are tested free of TiLV.

Know and trust your source of animals.

## Where in the World is TiLV?



## My Business Exports LIVE Tilapia to other Countries

Discuss with your customers what import health requirements may be implemented if OIE lists TiLV.

Canada has indicated they will implement health requirements for TiLV once listed by the World Organization for Animal Health (OIE).

## What Should I Do? I'm a U.S. Tilapia Producer or Grower

Know your source of animals.

Maintain biosecurity on your farm and educate personnel about how to do this.

Do not bring other fish without a health certificate or tilapia products onto the farm.

Ask your aquatic animal health expert about testing for TiLV.

If you experience an unusual mortality event, contact your aquatic animal health expert or appropriate [State Veterinarian's office](#) immediately.

## My Business Imports LIVE Tilapia into the U.S.

Do not import tilapia from countries known to have TiLV without a health certificate stating

## For More Information

OIE TiLV Disease Card:

[http://www.oie.int/fileadmin/Home/eng/International\\_Standard\\_Setting/docs/pdf/A\\_TiLV\\_disease\\_card.pdf](http://www.oie.int/fileadmin/Home/eng/International_Standard_Setting/docs/pdf/A_TiLV_disease_card.pdf)

UN's Food and Agriculture Organization TiLV Worldwide Alert:

<http://www.fao.org/news/story/en/item/888884/icode/>

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