

Follow-up report No.1

Report reference: Tilapia lake virus, Reference OIE : 23954, Report Date : 21/05/2017, Country : Israel

Report Summary

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Animal type	Aquatic	Date of report	21/05/2017
Causal Agent	Tilapia lake virus	Date of start of the event	01/08/2011
Reason	Emerging disease	Date of confirmation of the event	01/03/2014
Number of reported outbreaks	submitted= 1, Draft= 1	Disease Name	*Tilapia Syncytial Hepatitis * (New Unknown Disease)

Disease Impact

Units for morbidity and mortality	Morbidity	Mortality	Zoonotic potential
quant	6%	2%	

Outbreak details

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:	Water Type	population	Production system
HAZAFON- (this report - draft)	-	Yizreel		Pond	Jordan Valley	32.49774	35.50318	01/06/2012		Fresh Water	Farmed	Semi-closed (e.g. ponds or raceways)
Species	Units for morbidity and	Morbidity	Mortality	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
Fish: tilapines(Tilapia)	quant	12%	10%	Animals			
Affected Population	TiLV outbreaks in pond-cultured tilapines (mainly tilapia hybrids) were diagnosed in approximately fifteen farms located in the Jordan valley. Massive outbreaks are (typically) season-dependent: high water temperatures (full summer) are predisposing [(either by favoring viral replication or by weakening fish (low oxygen etc)]. These episodes were recorded in fish weighting over 60 grams (over 10 months of age). Involvement of juveniles cannot be excluded, but due to culture systems (green water), these cannot be promptly observed. Clinical symptoms include lethargy, erratic swimming, ocular lesions and skin ulcerations.											

Outbreak summary: Total outbreaks = 1 (Draft)

Species	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered
Fish					

Epidemiology

Epidemiological comments
Tilapia lake virus (TiLV) outbreaks are recorded mostly during the hot season (July-October). Outbreaks occurring in other periods are rare. In aquaculture systems, morbidity and mortality includes fish over 60 grams, although involvement of small fish is not excluded.
Source of the outbreak(s) or origin of infection
• Unknown or inconclusive

Measures applied

Applied	To be applied
• screening	• no planned control measures
Animals treated	Vaccination Prohibited
No	No

Diagnostic test results

Laboratory Type	Name of Laboratory	Species	Test Type	Date results provided	Result
National laboratory	Kimron Veterinary Institute, Fish diseases laboratory	tilapins (Tilapia)	polymerase chain reaction (PCR)	01/03/2014	Positive

Laboratory Type	Name of Laboratory	Species	Test Type	Date results provided	Result
National laboratory	Kimron Veterinary Institute, Fish diseases laboratory	tilapins (Tilapia)	pathogen isolation on cell culture	01/03/2014	Positive

Future Reporting

The event is continuing. Weekly follow-up reports will be submitted.

Outbreak maps

