

Immediate notification report

Report reference: REF OIE 25278, Report Date: 23/11/2017, Country : Philippines

Report Summary

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Animal type	Aquatic	Date of report	23/11/2017
Causal Agent	Tilapia lake virus (TiLV)	Date of start of the event	16/05/2017
Reason	Emerging disease	Date of confirmation of the event	29/06/2017
Number of reported outbreaks	submitted= 1, Draft= 0	Disease Name	*Tilapia Lake Virus (TiLV) * (New Unknown Disease)

Disease Impact

Units for morbidity and mortality	Morbidity	Mortality	Zoonotic potential
quant	33.78%	33.78%	

Outbreak details

Province	Number of outbreaks	Municipality	Barangay	Unit Type	Location	Latitude	Longitude	Start Date	End Date:	Water Type	population	Production system
BULACAN- (this report - submitted)	-	Pulilan	Dampol 2nd	Pond	Bulacan	14.906698	120.813158	16/05/2017	15/09/2017	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: Tilapia(Oreochromis niloticus)	quant	33.78%	33.78%	Animals	300000	101363	101363	0	0			
Affected Population												

Outbreak summary: Total outbreaks = 1 (Submitted)

Species	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered
Fish	300000	101363	101363	0	0

Epidemiology

Epidemiological comments

An unexplained daily mortality of tilapia fingerlings was observed in the nursery pond of a private farm after stocking on May 16, 2017. Elevated mortality after 15 days reached approximately 25%. Affected fish showed distended abdomen and bulging of the eyes. On May 31, 2017 samples were collected and submitted at the Fisheries Biotechnology Center (FBC) Muñoz, Nueva Ecija. Semi-nested RT-PCR exhibited positive results using reported Tilapia Lake Virus (TiLV) primers. Other samples submitted to National Fisheries Laboratory- Fish Health of the Bureau of Fisheries and Aquatic Resources also showed positive results by insulated isothermal PCR (iiPCR). The amplified segment 3 of the viral gene has 94-95% nucleotide similarity to Israel TiLV strain. The movement of fingerlings from the affected pond is restricted and monitored. Results of the last two samplings showed negative for TiLV using iiPCR.

Source of the outbreak(s) or origin of infection

• Unknown or inconclusive

Measures applied

Applied	To be applied
<ul style="list-style-type: none"> • movement control inside the country • surveillance outside infected and/or protection zone • surveillance within infected and/or protection zone • screening • traceability • quarantine • disinfection 	<ul style="list-style-type: none"> • no planned control measures
Animals treated	Vaccination Prohibited

Animals treated	Vaccination Prohibited
No	No

Diagnostic test results

Laboratory Type	Name of Laboratory	Species	Test Type	Date results provided	Result
Local laboratory	Fisheries Biotechnology Center	Tilapia(Oreochromis niloticus)	reverse transcription - polymerase chain reaction (RT-PCR)	24/06/2017	Positive
National laboratory	National Fisheries Laboratory	Tilapia(Oreochromis niloticus)	polymerase chain reaction (PCR)	29/06/2017	Positive

Future Reporting

The report and all its outbreaks have been resolved.

Outbreak maps

