

Immediate notification report

Report reference: REF OIE 24033, Report Date: 13/06/2017, Country : Chinese Taipei

Report Summary

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|-------------------------------------|---|------------------------------|-----------------------------|
| Name of sender of the report | Dr Tai-Hwa Shih | Telephone | +886 2 23431464 |
| Position | Chief Veterinary Officer, Deputy Director General | Fax | +886 2 23017055 |
| Address | 9F, No. 100, Sec 2, Heping W. Road Taipei 10070, Taiwan (R.O.C) Taipei | Email | delegate@mail.baphiq.gov.tw |
| | | Date submitted to OIE | 14/06/2017 |

| | | | |
|-------------------------------------|---------------------------|--|--|
| Animal type | Aquatic | Date of report | 13/06/2017 |
| Causal Agent | Tilapia lake virus (TiLV) | Date of start of the event | 01/06/2017 |
| Reason | Emerging disease | Date of confirmation of the event | 12/06/2017 |
| Number of reported outbreaks | submitted= 1, Draft= 0 | Disease Name | *Tilapia lake virus disease * (New Unknown Disease) |

Disease Impact

| | | | |
|--|------------------|------------------|---------------------------|
| Units for morbidity and mortality | Morbidity | Mortality | Zoonotic potential |
| quant | 6.4% | 6.4% | |

Outbreak details

| Prefecture/City | Number of outbreaks | District | Sub-district | Unit Type | Location | Latitude | Longitude | Start Date | End Date: | Water Type | population | Production system |
|---|-------------------------|------------------|--------------|-----------------|-------------|-----------|------------|------------------------|-------------|-------------|------------|--------------------------------------|
| TAOYUAN CITY- (this report - submitted) | - | Guanyin district | | Pond | Pond | 25.042315 | 121.146149 | 01/06/2017 | | 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 x O. aureus) | quant | 6.4% | 6.4% | Animals | 150000 | 9600 | 9600 | 0 | 0 | | | |
| Affected Population | Tilapia | | | | | | | | | | | |

Outbreak summary: Total outbreaks = 1 (Submitted)

| Species | Susceptible | Cases | Deaths | Killed and disposed of | Slaughtered |
|---------|-------------|-------|--------|------------------------|-------------|
| Fish | 150000 | 9600 | 9600 | 0 | 0 |

Epidemiology

Epidemiological comments

The owner of a tilapia farm in Taoyuan City found abnormal mortality (approximately 6.4%) in his farmed tilapia since 1 June 2017, and then reported the event to the Local Disease Control Center on 6 June 2017. Samples from tilapia with dermal and ocular lesions were collected and sent to the National Laboratory (Animal Health Research Institute) for diagnosis. On 12 June 2017, RT-PCR results showed positive reaction to nucleic acid of Tilapia Lake Virus (TiLV) in those samples. Preliminary genetic and phylogenetic analyses of the genomic sequence of segment 3 gene showed the virus shared 93% and 92% identity with the strains found in Israel in 2014 and Thailand in 2016, respectively. Movement restriction of the index farm has been carried out after the confirmation of TiLV infection. Epidemiological investigation and surveillance of surrounding tilapia farms are being conducted.

Source of the outbreak(s) or origin of infection

• Unknown or inconclusive

Measures applied

| Applied | To be applied |
|--|---|
| <ul style="list-style-type: none"> • disinfection / disinfestation • screening • traceability • quarantine • surveillance outside containment and/or protection zone • official disposal of carcasses, by-products and waste | <ul style="list-style-type: none"> • no planned control measures |

| | |
|------------------------|-------------------------------|
| No | No |
| Animals treated | Vaccination Prohibited |
| No | No |

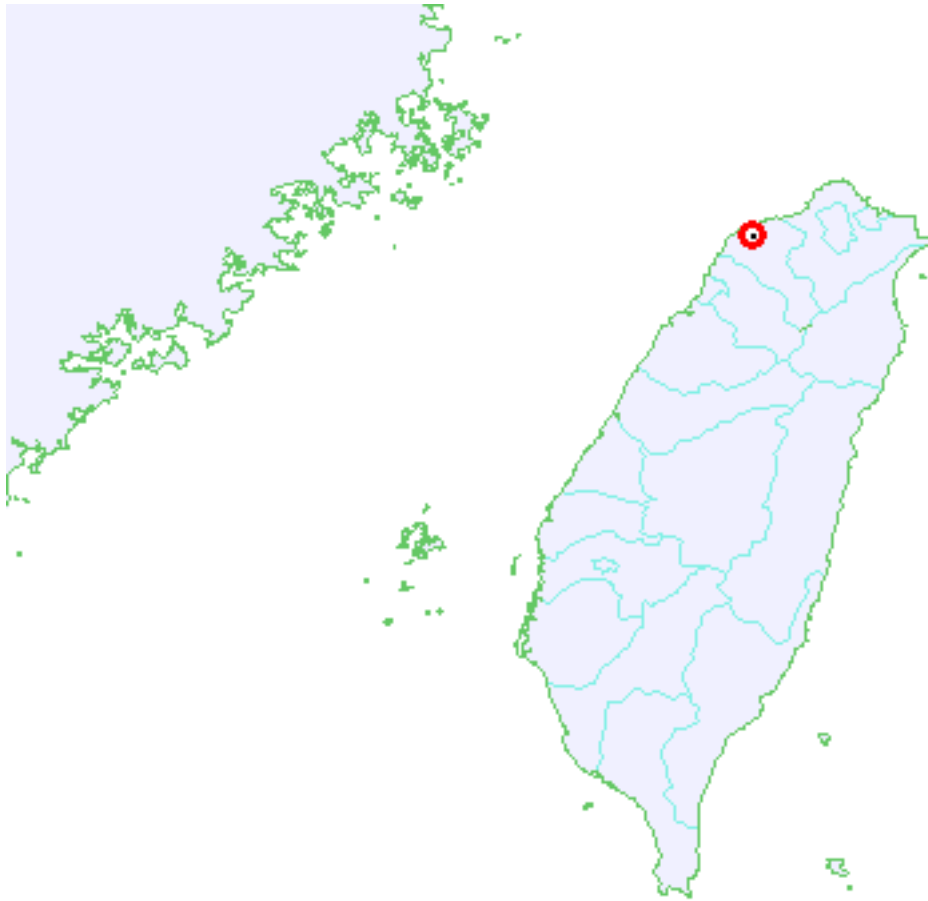
Diagnostic test results




| Laboratory Type | Name of Laboratory | Species | Test Type | Date results provided | Result |
|---------------------|----------------------------------|--|--|-----------------------|----------|
| National laboratory | Animal Health Research Institute | Tilapia(Oreochromis niloticus x O. aureus) | reverse transcription - polymerase chain reaction (RT-PCR) | 12/06/2017 | Positive |

Future Reporting

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

Outbreak maps



-  Continuing (domestic)
-  International Boundaries
-  Administrative Boundaries