

**AQUATIC ANIMAL DISEASE REPORT - 2022**

Country/territory: **Chinese Taipei**

Item	Disease status/occurrence code a/c/												Level of diagnosis	Epidemiological comment numbers
	Month													
DISEASES PREVALENT IN THE REGION	January	February	March	April	May	June	July	August	September	October	November	December		
<b>FINFISH DISEASES</b>														
<b>OIE-listed diseases</b>														
1. Infection with epizootic haematopoietic necrosis virus	***	***	***	***	***	***	***	***	***					
2. Infection with infectious haematopoietic necrosis virus	***	***	***	***	***	***	***	***	***					
3. Infection with spring viremia of carp virus	***	***	***	***	***	***	***	***	***					
4. Infection with viral haemorrhagic septicaemia virus	***	***	***	***	***	***	***	***	***					
5. Infection with <i>Aphanomyces invadans</i> (EUS)	-	-	-	+	-	-	-	+	-				I & II & III	6
6. Infection with red sea bream iridovirus	-	-	-	+	+	+	-	+	+				I & III	4
7. Infection with koi herpesvirus	-	-	-	-	-	-	-	-	-					
<b>Non OIE-listed diseases</b>														
8. Grouper iridoviral disease	-	+	-	-	-	-	-	-	-				I & III	2
9. Viral encephalopathy and retinopathy	+	+	-	-	+	-	-	+	+				I & III	1
10. Enteric septicaemia of catfish	***	***	***	***	***	***	***	***	***					
11. Carp Edema Virus Disease	-	-	-	-	-	-	-	-	-					
12. Tilapia lake virus (TiLV)	-	-	-	-	-	-	-	-	-					
<b>MOLLUSC DISEASES</b>														
<b>OIE-listed diseases</b>														
1. Infection with <i>Bonamia exitiosa</i>	***	***	***	***	***	***	***	***	***					
2. Infection with <i>Perkinsus olseni</i>	***	***	***	***	***	***	***	***	***					
3. Infection with abalone herpesvirus	-	-	-	-	-	-	-	-	-					
4. Infection with <i>Xenohaliotis californiensis</i>	***	***	***	***	***	***	***	***	***					
5. Infection with <i>Bonamia ostreae</i>	***	***	***	***	***	***	***	***	***					
<b>Non OIE-listed diseases</b>														
6. Infection with <i>Marteilioides chungmuensis</i>	***	***	***	***	***	***	***	***	***					
7. Acute viral necrosis (in scallops)	***	***	***	***	***	***	***	***	***					
<b>CRUSTACEAN DISEASES</b>														
<b>OIE-listed diseases</b>														
1. Infection with Taura syndrome virus	-	-	-	-	-	-	-	-	-					
2. Infection with white spot syndrome virus	-	+	-	-	-	-	-	-	+				I & III	3
3. Infection with yellow head virus genotype 1	-	-	-	-	-	-	-	-	-					
4. Infection with infectious hypodermal and haematopoietic necrosis virus	-	-	-	-	-	-	-	-	-					
5. Infection with infectious myonecrosis virus	***	***	***	***	***	***	***	***	***					
6. Infection with <i>Macrobrachium rosenbergii</i> nodavirus (White Tail disease)	-	-	-	-	-	-	-	-	-					
7. Infection with <i>Hepatobacter penaei</i> (Necrotising hepatopancreatitis)	***	***	***	***	***	***	***	***	***					
8. Acute hepatopancreatic necrosis disease (AHPND)	-	-	-	-	+	-	-	-	-				I & III	7
9. Infection with <i>Aphanomyces astaci</i> (Crayfish plague)	-	-	-	-	-	-	-	-	-					
10. Infection with decapod iridescent virus 1 (DIV1)	-	-	-	-	+	-	-	-	-				I & III	8
<b>Non OIE-listed diseases</b>														
11. Hepatopancreatic Microsporidiosis caused by <i>Enterocytozoon hepatopenaei</i> (HPM-EHP)	-	-	-	+	-	+	-	-	-				I & III	5
12. Viral covert mortality disease (VCMD) of shrimps	***	***	***	***	***	***	***	***	***					
13. <i>Spiroplasma eriocheiris</i> infection	***	***	***	***	***	***	***	***	***					
<b>AMPHIBIAN DISEASES</b>														
<b>OIE-listed diseases</b>														
1. Infection with <i>Ranavirus</i> species	-	-	-	-	-	-	-	-	-					
2. Infection with <i>Batrachochytrium dendrobatidis</i>	***	***	***	***	***	***	***	***	***					

3. Infection with <i>Batrachochytrium salamandrivorans</i>	***	***	***	***	***	***	***	***	***	***				
<b>Prepared by:</b>														
Name: Pei-I Wu														
Position: D.V.M. Specialist														
Date: October, 2022														
<b>ANY OTHER DISEASES OF IMPORTANCE</b>														
1														
2														

**DISEASES PRESUMED EXOTIC TO THE REGION<sup>b</sup>**  
**LISTED BY THE OIE**  
**Finfish:** Infection with HPR-deleted or HPR0 salmon anaemia virus; Infection with salmon pancreas disease virus; Infection with *Gyrodactylus salaris* .  
**Molluscs:** Infection with *Marteilia refringens* ; *Perkinsus marinus* .

**NOT LISTED BY THE OIE**  
**Finfish:** Channel catfish virus disease

a/ Please use the following occurrence code:

<u>Occurrence code and symbol</u>	<u>Definition</u>	<u>Occurrence code and symbol</u>	<u>Definition</u>
Disease present +	The disease is present with clinical signs in the whole country (in domestic species or wildlife)	Disease absent -	The disease was absent in the country during the reporting period (in domestic species or wildlife).
Disease limited to one or more zones +()	The disease is present with clinical signs, and limited to one or more zones/compartments (in domestic species or wildlife)	Never reported 0000	The disease has "never been reported" (historically absent) for the whole country in domestic species and wildlife.
Infection/infestation +?	Confirmed infestation or infection using diagnostic tests, but no clinical signs observed (in domestic species or wildlife)	No information ***	No information is available regarding the presence or the absence of this disease during the reporting period (in domestic species or wildlife).
Infection/infestation limited to one or more zones +?()	Confirmed infestation or infection using diagnostic tests, but no clinical signs observed and limited to one or more zones/compartments (in domestic species or wildlife)		
Disease suspected ?	The presence of the disease was suspected but not confirmed (in domestic species or wildlife)		
Disease suspected but not confirmed and limited to one or more zones ?()	The presence of the disease was suspected but not confirmed and limited to one or more zones/compartments (in domestic species or wildlife)		

b/ If there is any changes on historical data, please highlight in RED

**1. Epidemiological comments:**

(Comments should include: 1) Origin of the disease or pathogen (history of the disease); 2) Species affected; 3) Disease characteristics (unusual clinical signs or lesions); 4) Pathogen (isolated/sero-typed); 5) Mortality rate (high/low; decreasing/increasing); 6) Death toll (economic loss, etc); 7) Size of infected areas or names of infected areas; 8) Preventive/control measures taken; 9) Samples sent to national or international laboratories for confirmation (indicate the names of laboratories); 10) Published paper (articles in journals/website, etc). and 11) Unknown diseases: describe details as much as possible.)

Comment No.	
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1	<p>1. Kaohsiung City, Pingtung County. 11 outbreak reports from 11 farms.  2. Date: (1) Jan 7, (2) Feb 25, (3), (4), (5), (6), (7), (8) May 6, (9) Aug 19, (10) Sep 8, (11) Sep 16.  3. Species: (1), (2), (3), (4), (5), (6), (7), (8), (9), (10), (11) <i>Epinephelus fuscoguttatus</i> x <i>Epinephelus lanceolatus</i>.  4. Mortality rate: low.  5. Total number of death: (1) 1600/50000, (2) 2000/40000, (3) 20/10000, (4) 200/10000, (5) 100/10000, (6) 30/20000, (7) 30/20000, (8) 100/20000, (9) 2625/100000, (10) 400/65000, (11) 1050/41050.</p>
2	<p>1. Pingtung County. 2 outbreak reports from 2 farms.  2. Date: (1), (2) Feb 25.  3. Species: (1) <i>Epinephelus fuscoguttatus</i> x <i>Epinephelus lanceolatus</i>, (2) <i>Acanthopagrus schlegelii</i>.  4. Mortality rate: low.  5. Total number of death: (1) 625/30000, (2) 75/20000.</p>
3	<p>1. Pingtung County. 2 outbreak reports from 2 farms.  2. Date: (1) Feb 25, (2) Sep 19.  3. Species: (1), (2) <i>Litopenaeus vannamei</i>.  4. Mortality rate: low.  5. Total number of death: (1) 70/50000, (2) 30/500000.</p>
4	<p>1. Pingtung County, Kaohsiung City. 10 outbreak reports from 10 farms.  2. Date: (1) Apr 21, (2) May 4, (3) Jun 25, (4) Jun 23, (5), (6) Jun 28, (7) Aug 19, (8) Sep 8, (9) Sep 12, (10) Sep 28.  3. Species: (1), (3), (4), (5), (6), (7), (9) <i>Lates calcarifer</i>, (2) <i>Epinephelus lanceolatus</i>, (8) <i>Epinephelus fuscoguttatus</i> x <i>Epinephelus lanceolatus</i>, (10) <i>Scortum barcoo</i>.  4. Mortality rate: low to moderate.  5. Total number of death: (1) 1500/50000, (2) 150/800, (3) 900/50000, (4) 2000/300000, (5) 3000/67000, (6) 2000/45000, (7) 450/40000, (8) 170/60000, (9) 3150/40000, (10) 240/18000.</p>
5	<p>1. New Taipei City. 2 outbreak reports from 1 farm.  2. Date: (1) Apr 18, (2) Jun 24 .  3. Species: (1), (2) <i>Litopenaeus vannamei</i>.  4. Mortality rate: low to high.  5. Total number of death: (1) 150000/1500000, (2) 540000/600000.</p>
6	<p>1. Taoyuan City, Yilan County. 2 outbreak reports from 2 farms.  2. Date: (1) Apr 21, (2) Aug 4.  3. Species: (1) <i>Micropterus salmoides</i>, (2) <i>Plecoglossus altivelis</i>.  4. Mortality rate: low.  5. Total number of death: (1) 2000/20000, (2) 1500/38000.</p>
7	<p>1. Pingtung County. 1 outbreak report from 1 farm.  2. Date: (1) May 16.  3. Species: (1) <i>Litopenaeus vannamei</i>.  4. Mortality rate: low.  5. Total number of death: (1) 250/72000.</p>
8	<p>1. Kaohsiung City. 1 outbreak report from 1 farm.  2. Date: (1) May 30.  3. Species: (1) <i>Litopenaeus vannamei</i>.  4. Mortality rate: low.  5. Total number of death: (1) 0/50.</p>

**2. New aquatic animal health regulations introduced within past six months (with effective date):**

