## AQUATIC ANIMAL DISEASE REPORT - 2022

Country/territory: Chinese Taipei

Item	Disease status/occurrence code a/c/							Level of	Epidemiologi-					
DISEASES PREVALENT IN THE REGION	Month								cal comment					
FINFISH DISEASES	January	February	March	April	May	June	July	August	September	October	November	December	diagnosis	numbers
OIE-listed diseases	Januar y	1 cordary	March	April	iviay	June	July	August	September	October	November	December		Hallouis
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 Aphanomyces invadans (EUS)	-	-	-	+	-	-	-	+	-	-	-		I & ∏ & Ⅲ	6
6. Infection with red sea bream iridovirus	-	-	-	+	+	+	-	+	+	-	+		I & Ⅲ	4
7. Infection with koi herpesvirus	-	-	-	-	-	-	-	-	-	-	-			
Non OIE-listed diseases														
Grouper iridoviral disease	-	+	-	-	-	-	-	-	-	-	-		I & II	2
9. Viral encephalopathy and retinopathy	+	+	-	-	+	-	-	+	+	+	-		I & II	1
10.Enteric septicaemia of catfish	***	***	***	***	***	***	***	***	***	***	***			
11. Carp Edema Virus Disease	-	-	-	-	-	-	-	-	-	-	-			
12. Tilapia lake virus (TiLV)	_	_	_	-	-	_	_	_	-	-	+		Ι&Ⅲ	9
MOLLUSC DISEASES													1 6 11	,
OIE-listed diseases												1		
1. Infection with Bonamia exitiosa	***	***	***	***	***	***	***	***	***	***	***			
	***	***	***	***	***	***	***	***	***	***	***			
2. Infection with <i>Perkinsus olseni</i>		***			***	***		4.4.4	***		***			
3. Infection with abalone herpesvirus	-		***	***	***	***		-	***	***	***			
4. Infection with Xenohaliotis californiensis	***	***					***	***						
5. Infection with Bonamia ostreae	***	***	***	***	***	***	***	***	***	***	***			
Non OIE-listed diseases														
6. Infection with Marteilioides chungmuensis	***	***	***	***	***	***	***	***	***	***	***			
7. Acute viral necrosis (in scallops)	***	***	***	***	***	***	***	***	***	***	***			
CRUSTACEAN DISEASES														
OIE-listed diseases														
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 Macrobrachium rosenbergii nodavirus (White Tail														
disease)	-	-	-	-	-	-	-	-	-	-	-			
7. Infection with Hepatobacter penaei (Necrotising hepatopancreatitis)	***	***	***	***	***	***	***	***	***	***	***			
8. Acute hepatopancreatic necrosis disease (AHPND)	-	-	-	-	+	-	-	-	-	-	-		I & Ⅲ	7
9. Infection with Aphanomyces astaci (Crayfish plague)	-	-	-	-	-	-	-	-	-	-	-			
10. Infection with decapod iridescent virus 1 (DIV1)	-	-	-	-	+	-	-	-	-	-	-		I & Ⅲ	8
Non OIE-listed diseases														
11.Hepatopnacreatic Microsporidiosis caused by Enterocytozoon													_	
hepatopenaei (HPM-EHP)	-	-	-	+	-	+	-	-	-	-	-		Ι&Ⅲ	5
12. Viral covert mortality disease (VCMD) of shrimps	***	***	***	***	***	***	***	***	***	***	***			
13. Spiroplasma eriocheiris infection	***	***	***	***	***	***	***	***	***	***	***			
AMPHIBIAN DISEASES														
OIE-listed diseases						1								
1. Infection with Ranavirus species	-	-	-	-	-	-	-	-	-	-	-			
2. Infection with Batrachochytrium dendrobatidis	***	***	***	***	***	***	***	***	***	***	***			

5. Infection with Burtachochyrtum satumatarivorums												
repared by:												
Name: Pei-I Wu												
Position: D.V.M. Specialist												
Date: December, 2022												
ANY OTHER DISEASES OF IMPORTANCE												
1												
2												

\*\*\* \*\*\* \*\*\* \*\*\* \*\*\* \*\*\* \*\*\* \*\*\* \*\*\*

## DISEASES PRESUMED EXOTIC TO THE REGION<sup>b</sup>

3 Infection with Ratrachochytrium salamandriyorans

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:

## 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.

	1. Kaohsiung City, Pingtung County. 12 outbreak reports from 12 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, (12) Oct 6.
1	3. Species: (1), (2), (3), (4), (5), (6), (7), (8), (9), (10), (11), (12) Epinephelus fuscoguttatus x Epinephelus lanceolatus.
	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, (12) 8000/110000.
	1. Pingtung County. 2 outbreak reports from 2 farms.
2	2. Date: (1), (2) Feb 25.
2	3. Species: (1) Epinephelus fuscoguttatus x Epinephelus lanceolatus, (2) Acanthopagrus schlegelii.
	4. Mortality rate: low.
	5. Total number of death: (1) 625/30000, (2) 75/20000.
	1. Pingtung County. 3 outbreak reports from 3 farms.
2	2. Date: (1) Feb 25, (2) Sep 19, (3) Nov 11.
3	3. Species: (1), (2), (3) Litopenaeus vannamei.
	4. Mortality rate: low.
	5. Total number of death: (1) 70/50000, (2) 30/500000, (3) 300/80000.
	1. Pingtung County, Kaohsiung City. 13 outbreak reports from 12 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, (11), (12), (13) Nov 4.  3. Species: (1), (3), (4), (5), (6), (7), (9), (11) Lates calcarifer, (2) Epinephelus lanceolatus, (8), (13) Epinephelus fuscoguttatus x Epinephelus lanceolatus, (10) Scortum barcoo, (12) Rhabdosargus sarba.
4	4. Mortality rate: low to moderate.
	4. Mortanty fate: 10w to inflore fate: 10w to inflore fate: 2. 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(11) 140/32000, (12) 600/40000, (13)
	800/30000.
	1. New Taipei City. 2 outbreak reports from 1 farm.
	2. Date: (1) Apr 18, (2) Jun 24.
5	3. Species: (1), (2) Litopenaeus vannamei.
	4. Mortality rate: low to high.
	5. Total number of death: (1) 150000/1500000, (2) 540000/600000.
	1. Taoyuan City, Yilan County. 2 outbreak reports from 2 farms.
	2. Date: (1) Apr 21, (2) Aug 4.
6	3. Species: (1) Micropterus salmoides, (2) Plecoglossus altivelis.
	4. Mortality rate: low.
	5. Total number of death: (1) 2000/20000, (2) 1500/38000.
	1. Pingtung County. 1 outbreak report from 1 farm.
	2. Date: (1) May 16.
7	3. Species: (1) Litopenaeus vannamei.
	4. Mortality rate: low.
	5. Total number of death: (1) 250/72000.
	1. Kaohsiung City. 1 outbreak report from 1 farm.
	2. Date: (1) May 30.
8	3. Species: (1) Litopenaeus vannamei.
	4. Mortality rate: low.
	5. Total number of death: (1) 0/50.

9	<ol> <li>New Taipei City. 1 outbreak report from 1 farm.</li> <li>Date: (1) Nov 16.</li> <li>Species: (1) Tilapia(Oreochromis niloticus).</li> <li>Mortality rate: low.</li> <li>Total number of death: (1) 500/8000.</li> </ol>					
2. New aquatic animal health regulations introduced within past six months (with effective date):						