

AQUATIC ANIMAL DISEASE REPORT - 2023

Country/territory: Chinese Taipei

Item	Disease status/occurrence code a/c/ Month												Level of diagnosis	Epidemiological comment numbers
DISEASES PREVALENT IN THE REGION	January	February	March	April	May	June	July	August	September	October	November	December		
FINFISH DISEASES														
WOAH-listed diseases														
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)	-	-	-	-	-	-	-							
6. Infection with red sea bream iridovirus	-	+	-	-	-	+	-						I & III	3
7. Infection with koi herpesvirus	-	-	-	-	-	-	-							
8. Infection with tilapia lake virus	-	-	-	-	-	-	-							
Non WOAH-listed diseases														
9. Grouper iridoviral disease	-	-	-	-	-	+	-						I & III	8
10. Viral encephalopathy and retinopathy	+	+	+	+	+	+	+						I & III	2
11. Enteric septicaemia of catfish	***	***	***	***	***	***	***							
12. Carp Edema Virus Disease	-	-	-	-	-	-	-							
MOLLUSC DISEASES														
WOAH-listed diseases														
1. Infection with <i>Bonamia exitiosa</i>	***	***	***	***	***	***	***							
2. Infection with <i>Perkinsus olseni</i>	***	***	***	***	***	***	+						I & II & III	9
3. Infection with abalone herpesvirus	-	-	-	-	-	-	-							
4. Infection with <i>Xenohaliotis californiensis</i>	***	***	***	***	***	***	***							
5. Infection with <i>Bonamia ostreae</i>	***	***	***	***	***	***	***							
Non WOAH-listed diseases														
6. Infection with <i>Marteilioides chungmuensis</i>	***	***	***	***	***	***	***							
7. Acute viral necrosis (in scallops)	***	***	***	***	***	***	***							
CRUSTACEAN DISEASES														
WOAH-listed diseases														
1. Infection with Taura syndrome virus	-	-	-	-	-	-	-							
2. Infection with white spot syndrome virus	+	-	-	-	+	+	+						I & III	1
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	4
9. Infection with <i>Aphanomyces astaci</i> (Crayfish plague)	-	-	-	-	-	-	-							
10. Infection with decapod iridescent virus 1 (DIV1)	-	-	-	+	+	+	-						I & III	6
Non WOAH-listed diseases														
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	***	***	***	***	***	***	***							
AMPHIBIAN DISEASES														
WOAH-listed diseases														
1. Infection with <i>Ranavirus</i> species	-	-	-	-	+	-	-						I & III	7
2. Infection with <i>Batrachochytrium dendrobatidis</i>	***	***	***	***	***	***	***							

3. Infection with <i>Batrachochytrium salamandrivorans</i>	***	***	***	***	***	***	***							
Prepared by: Name: Pei-I Wu Position: D.V.M. Specialist Date: September, 2023														
ANY OTHER DISEASES OF IMPORTANCE														
1														
2														

DISEASES PRESUMED EXOTIC TO THE REGION^b

LISTED BY THE WOA^H

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 WOA^H

Finfish: Channel catfish virus disease

a/ Please use the following occurrence code:

Occurrence code and symbol	Definition	Occurrence code and symbol	Definition
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. Pingtung County, Taitung County, Yilan County. 6 outbreak reports from 6 farms.</p> <p>2. Date: (1) Jan 17, (2) May 19, (3) May 22, (4) May 26, (5) Jun 26, (6) Jul 7.</p> <p>3. Species: (1), (2), (3), (4), (5), (6) Litopenaeus vannamei.</p> <p>4. Mortality rate: low to high.</p> <p>5. Total number of death: (1) 100000/1000000, (2) 120000/200000, (3) 3/198000, (4) 380/6000, (5) 2000/200000, (6) 63000/70000.</p>
2	<p>1. Pingtung County, Taitung County. 23 outbreak reports from 21 farms.</p> <p>2. Date: (1), (2), (3) Jan 18, (4) Feb 1, (5), (6) Feb 11, (7), (8), (9) Mar 3, (10), (11) Mar 13, (12) Apr 6, (13) Apr 10, (14) Apr 20, (15) Apr 27, (16) May 10, (17) May 18, (18) May 19, (19) May 22, (20) Jun 6, (21) Jun 21, (22), (23) Jul 7.</p> <p>3. Species: (1), (2), (3), (4), (5), (6), (8), (9), (10), (12), (13), (14), (16), (20), (21) Epinephelus fuscoguttatus x Epinephelus lanceolatus, (7), (15), (17), (19) Lates calcarifer, (11) Lateolabrax japonicus, (18), (22), (23) Epinephelus lanceolatus.</p> <p>4. Mortality rate: low to high.</p> <p>5. Total number of death: (1) 1600/36000, (2) 200/30000, (3) 90/47000, (4) 1000/1000, (5) 1000/30000, (6) 450/40000, (7) 400/150000, (8) 1100/45000, (9) 2200/35000, (10) 200/50000, (11) 300/85000, (12) 9000/53000, (13) 5600/450000, (14) 1200/40000, (15) 900/100000, (16) 600/36000, (17) 10/100000, (18) 1000/3000, (19) 6/60000, (20) 200/28200, (21) 260/3500, (22) 75/3500, (23) 110/6000.</p>
3	<p>1. Pingtung County. 2 outbreak reports from 2 farms.</p> <p>2. Date: (1) Feb 11, (2) Jun 5.</p> <p>3. Species: (1), (2) Epinephelus fuscoguttatus x Epinephelus lanceolatus.</p> <p>4. Mortality rate: low to moderate.</p> <p>5. Total number of death: (1) 1500/10000, (2) 3000/20000.</p>
4	<p>1. Pingtung County, Taitung County. 3 outbreak reports from 3 farms.</p> <p>2. Date: (1) Jan 19, (2) Mar 31, (3) Apr 12.</p> <p>3. Species: (1), (2), (3) Litopenaeus vannamei.</p> <p>4. Mortality rate: low to moderate.</p> <p>5. Total number of death: (1) 3000/15000, (2) 100000/300000, (3) 50000/500000.</p>
5	<p>1. Taitung County. 1 outbreak report from 1 farm.</p> <p>2. Date: (1) Mar 7.</p> <p>3. Species: (1) Litopenaeus vannamei.</p> <p>4. Mortality rate: low to moderate.</p> <p>5. Total number of death: (1) 30000/140000.</p>
6	<p>1. Pingtung County, Taitung County. 5 outbreak reports from 4 farms.</p> <p>2. Date: (1) Apr 18, (2), (3) May 18, (4) May 25, (5) Jun 29.</p> <p>3. Species: (1), (2), (3), (4), (5) Litopenaeus vannamei.</p> <p>4. Mortality rate: low to high.</p> <p>5. Total number of death: (1) 4000000/4200000, (2) 900000/1000000, (3) 10000/100000, (4) 0/1350000, (5) 0/800000.</p>
7	<p>1. Pingtung County. 1 outbreak report from 1 farm.</p> <p>2. Date: (1) May 10.</p> <p>3. Species: (1) Lithobates catesbeianus.</p> <p>4. Mortality rate: high.</p> <p>5. Total number of death: (1) 1500/3000.</p>
8	<p>1. Pingtung County. 2 outbreak reports from 2 farms.</p> <p>2. Date: (1) Jun 5, (2) Jun 28.</p> <p>3. Species: (1), (2) Lates calcarifer.</p> <p>4. Mortality rate: low.</p> <p>5. Total number of death: (1) 1500/107000, (2) 120/45000.</p>

9	<div>1. Changhua County. 1 outbreak report from 1 farm.</div> <div>2. Date: (1) Jul 11.</div> <div>3. Species: (1) Meretrix taiwanica.</div> <div>4. Mortality rate: low.</div> <div>5. Total number of death: (1) 90000/1800000.</div>
<div>2. New aquatic animal health regulations introduced within past six months (with effective date):</div> <div></div>	