

### Immediate notification report

Report reference: Duck(2017-hl-2) REF OIE 22807, Report Date: 12/02/2017, Country : Chinese Taipei

#### Report Summary

<b>Name of sender of the report</b>	Dr Tai-Hwa Shih	<b>Telephone</b>	+886 2 23431464
<b>Position</b>	Chief Veterinary Officer, Deputy Director General	<b>Fax</b>	+886 2 23017055
<b>Address</b>	9F, No. 100, Sec 2, Heping W. Road Taipei 10070, Taiwan (R.O.C) Taipei	<b>Email</b>	delegate@mail.baphiq.gov.tw
		<b>Date submitted to OIE</b>	12/02/2017

<b>Animal type</b>	Terrestrial	<b>Date of report</b>	12/02/2017
<b>Disease</b>	Highly pathogenic avian influenza	<b>Date of start of the event</b>	02/02/2017
<b>Causal Agent</b>	Highly pathogenic avian influenza virus	<b>Date of confirmation of the event</b>	05/02/2017
<b>Serotype(s)</b>	H5N6	<b>Diagnosis</b>	Laboratory (advanced)
<b>Reason</b>	New strain of a listed disease in the country	<b>Clinical signs</b>	Yes
<b>Country or zone</b>	a zone or compartment	<b>Number of Outbreaks to Report</b>	8
<b>Number of reported outbreaks</b>	submitted= 2, Draft= 8		

#### Outbreak details

Prefecture/City	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
HUALIEN COUNTY- (this report - submitted)	-			Farm	Yuli Township	23.419856	121.34747	02/02/2017	
<b>Species</b>	<b>Measuring units</b>	<b>Susceptible</b>	<b>Cases</b>	<b>Deaths</b>	<b>Destroyed</b>	<b>Slaughtered</b>			
Birds	Animals	3787	...	0	3787	0			
Affected Population	Duck(2017-hl-2), H5N2 HPAI virus was also detected.								

Prefecture/City	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
HUALIEN COUNTY- (this report - submitted)	-			Not applicable	Yuli Township	23.4045006	121.3416227	02/02/2017	
<b>Species</b>	<b>Measuring units</b>	<b>Susceptible</b>	<b>Cases</b>	<b>Deaths</b>	<b>Destroyed</b>	<b>Slaughtered</b>			
Birds	Animals	...	1	1	0	0			
Affected Population	Duck (2017-hl-1)								

Prefecture/City	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
TAINAN CITY-other report - draft	-			Farm	Liujia District	23.2102	120.275	09/02/2017	
<b>Species</b>	<b>Measuring units</b>	<b>Susceptible</b>	<b>Cases</b>	<b>Deaths</b>	<b>Destroyed</b>	<b>Slaughtered</b>			
Birds	Animals	3900	...	3900	0	0			
Affected Population	Turkeys (2017-tn-1)								

Prefecture/City	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
YUNLIN COUNTY-other report - draft	-			Farm	Kouhu Township	23.5744	120.18	13/02/2017	
<b>Species</b>	<b>Measuring units</b>	<b>Susceptible</b>	<b>Cases</b>	<b>Deaths</b>	<b>Destroyed</b>	<b>Slaughtered</b>			
Birds	Animals	234	...	0	234	0			
Affected Population	Native chickens (2017-yl-15)								

Prefecture/City	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
CHIAYI COUNTY-other report - draft	-			Farm	Puzi City	23.4383	120.239	13/02/2017	
<b>Species</b>	<b>Measuring units</b>	<b>Susceptible</b>	<b>Cases</b>	<b>Deaths</b>	<b>Destroyed</b>	<b>Slaughtered</b>			
Birds	Animals	1000	173	173	827	0			

Prefecture/City	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Affected Population	Chickens (2017-cy-1)								

Prefecture/City	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
CHIAYI COUNTY-other report - draft	-			Farm	Puzi City	23.4231	120.266	14/02/2017	
Birds	Animals	40	...	0	40	0			
Affected Population	Chickens (2017-cy-2)								

Prefecture/City	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
CHIAYI COUNTY-other report - draft	-			Farm	Puzi City	23.4189	120.266	14/02/2017	
Birds	Animals	18	...	0	18	0			
Affected Population	Chickens (2017-cy-3)								

Prefecture/City	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
YUNLIN COUNTY-other report - draft	-			Farm	Kouhu Township	23.5548	120.199	15/02/2017	
Birds	Animals	3540	...	0	3540	0			
Affected Population	Native chickens (2017-yl-16)								

Prefecture/City	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
CHIAYI COUNTY-other report - draft	-			Farm	Dongshi Township	23.5026	120.195	15/02/2017	
Birds	Animals	610	...	0	610	0			
Affected Population	Geese (2017-cy-16)								

Prefecture/City	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
YILAN COUNTY-other report - draft	-			Farm	Yuanshan Township	24.7308	121.704	16/02/2017	
Birds	Animals	3068	...	0	3068	0			
Affected Population	Ducks (2017-yi-16)								

#### Outbreak summary: Total outbreaks = 8 (Draft)

Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Birds	12410	173	4073	8337	0

#### Outbreak summary: Total outbreaks = 2 (Submitted)

Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Birds	3787	1	1	3787	0

#### Epidemiology

Epidemiological comments

<b>Epidemiological comments</b>
<b>Source of the outbreak(s) or origin of infection</b>
<ul style="list-style-type: none"> <li>Unknown or inconclusive</li> </ul> <p>The animal health authority, BAPHIQ, entrusts the Wild Bird Society of Taipei (a non-governmental organization) to conduct active surveillance of wild bird for avian influenza. One dead young duck was found on a country road in Hualien County by the Wild Bird Society of Taipei and was sent to the National Laboratory (Animal Health Research Institute, AHRI) on 2 February 2017. H5N6 subtype HPAI was detected and confirmed by the AHRI in the evening of 5 February 2017. The HA and NA genomic sequences of the virus seem to share high similarity (99%) with those of the virus which has caused major outbreaks in Korea and Japan according to preliminary analysis by the AHRI.</p> <p>The Local Disease Control Center (LDCC) disinfected the neighboring areas of the spot where the dead duck was found and has completed clinical examination and sampling of all poultry farms (2 duck farms) within 1 km radius of the spot. All ducks in the 2 farms are clinically healthy. Surrounding poultry farms within 3 km radius of the index spot will also be sampled as soon as possible and they are under intensified surveillance for 3 months to detect, if any, spreading of the virus. Until 21 February 2017, all waterfowls of Hualien County must be slaughtered locally, no dispatch to other regions of the country is allowed.</p> <p>On 7 February 2017, a batch of ducks (3,787 heads) originating from one of the farms under intensified surveillance in Hualien County was intercepted in an abattoir located in Yilan County. The duck farm is under intensified surveillance because it is within the 3 km radius of one dead young duck positive for H5N6 that was reported on 6 February 2017. The ducks were transported to Yilan County on 6 February, one day ahead of the entry into force of the ban on the dispatch of waterfowls of Hualien County to other regions of the country. The carcasses of the ducks intercepted in the abattoir were sampled and tested using RT-PCR and gene sequence analysis by the National Laboratory (Animal Health Research Institute, AHRI). H5N6 and H5N2 subtypes HPAI were detected and confirmed by the AHRI on 11 February 2017. All of the 3,787 carcasses were condemned and destroyed, and thorough cleaning and disinfection have been conducted in the abattoir.</p> <p>The farm of origin has been sampled for testing. The intensified surveillance zone has been enlarged to 5 km radius surrounding the index farm. Sampling is underway and will be completed as soon as possible in order to detect any spreading of the viruses. These control measures will be imposed on the area for at least 3 months and will be lifted only after the confirmation of the elimination of the viruses.</p>
<b>Source of the outbreak(s) or origin of infection</b>
<ul style="list-style-type: none"> <li>Unknown or inconclusive</li> </ul>

### Measures applied

<b>Applied</b>	<b>To be applied</b>
<ul style="list-style-type: none"> <li>movement control inside the country</li> <li>screening</li> <li>disinfection / disinfestation</li> <li>quarantine</li> <li>stamping out</li> <li>zoning</li> </ul>	<ul style="list-style-type: none"> <li>no planned control measures</li> </ul>
<b>Animals treated</b>	<b>Vaccination Prohibited</b>
No	Yes

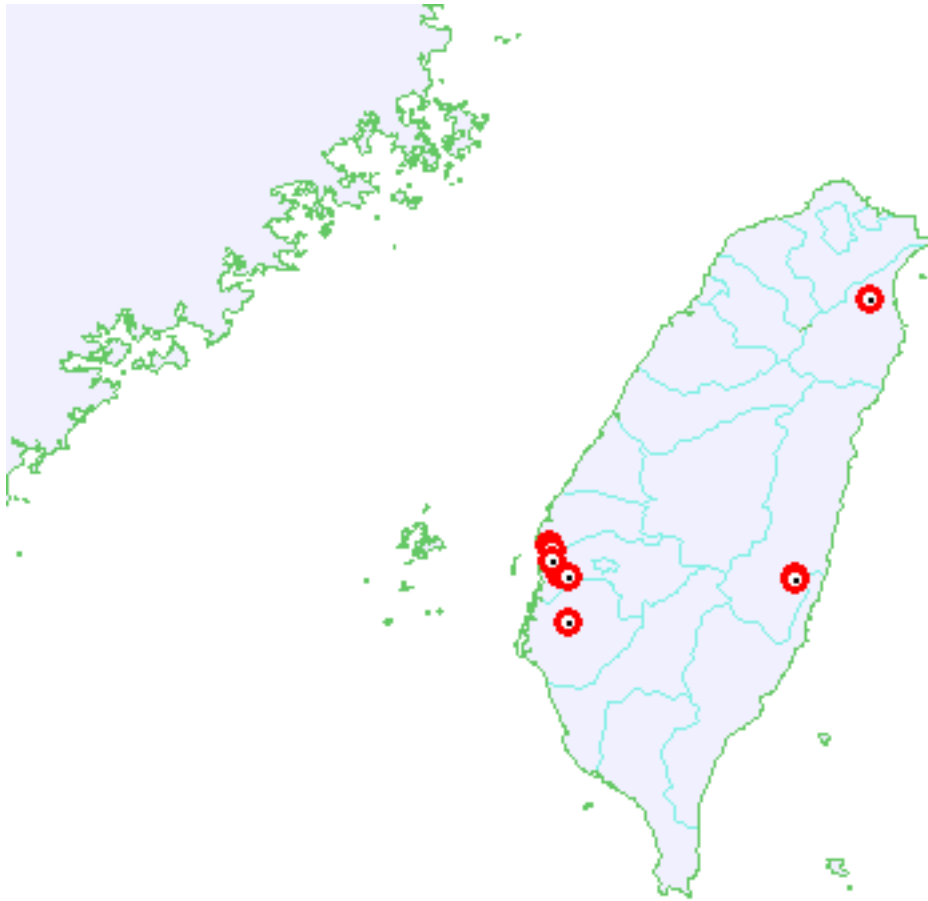
### Diagnostic test results




<b>Laboratory Type</b>	<b>Name of Laboratory</b>	<b>Species</b>	<b>Test Type</b>	<b>Date results provided</b>	<b>Result</b>
National laboratory	Animal Health Research Institute	Birds	reverse transcription - polymerase chain reaction (RT-PCR)	05/02/2017	Positive
National laboratory	Animal Health Research Institute	Birds	gene sequencing	05/02/2017	Positive
National laboratory	Animal Health Research Institute	Birds	gene sequencing	11/02/2017	Positive
National laboratory	Animal Health Research Institute	Birds	reverse transcription - polymerase chain reaction (RT-PCR)	10/02/2017	Positive

### Future Reporting

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

## Outbreak maps



-  Continuing (domestic)
-  International Boundaries
-  Administrative Boundaries