

Immediate notification report

Report reference: REF OIE 16936, Report Date: 12/01/2015, Country : Chinese Taipei

Report Summary

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		Date submitted to OIE	12/01/2015

Animal type	Terrestrial	Date of report	12/01/2015
Disease	Highly pathogenic avian influenza	Date of start of the event	07/01/2015
Causal Agent	Highly pathogenic avian influenza virus	Date of pre-confirmation of the event	11/01/2015
Serotype(s)	H5N2	Date of last occurrence	23/07/2014
Reason	Reoccurrence of a listed disease	Diagnosis	Clinical, Laboratory (advanced)
Country or zone	a zone or compartment	Clinical signs	Yes
Number of reported outbreaks	submitted= 5, Draft= 9	Number of Outbreaks to Report	9

Outbreak details

Prefecture/City	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
YUNLIN COUNTY- (this report - submitted)	-			Farm	Kouhu Township	23.586876	120.200224	07/01/2015	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	4100	125	4	...	...	
Affected Population	Goose								

Prefecture/City	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
YUNLIN COUNTY- (this report - submitted)	-			Farm	Kouhu Township	23.619	120.19562	08/01/2015	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	4950	788	788	...	...	
Affected Population	Goose								

Prefecture/City	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
PINGTUNG COUNTY-other report - draft	-			Farm	Wandan Township	22.58544	120.51125	08/01/2015	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	2500	200	200	...	...	
Affected Population	Goose								

Prefecture/City	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
CHIAYI COUNTY-other report - draft	-			Farm	Shuishang Township	23.433436	120.379694	08/01/2015	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	4650	50	50	...	...	
Affected Population	Goose								

Prefecture/City	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
YUNLIN COUNTY- (this report - submitted)	-			Farm	Sihu Township	23.65638	120.216363	08/01/2015	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			

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			
Birds	Animals	7600	7300	7300	...	...	
Affected Population	Goose								

Prefecture/City	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
YUNLIN COUNTY- (this report - submitted)	-			Farm	Sihu Township	23.65433	120.21352	08/01/2015	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	2640	1790	1790	...	...	
Affected Population	Goose								

Prefecture/City	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
PINGTUNG COUNTY- (this report - submitted)	-			Farm	Wandan Township	22.53339	120.4804	08/01/2015	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	7000	1	1	...	...	
Affected Population	Layer Duck								

Prefecture/City	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
YUNLIN COUNTY-other report - draft	-			Farm	Sihu Township	23.65075	120.21661	08/01/2015	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	2200	900	900	...	...	
Affected Population	Goose								

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	23.619148	120.194997	09/01/2015	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	2400	1300	1300	...	...	
Affected Population	Breeding geese								

Prefecture/City	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
YUNLIN COUNTY-other report - draft	-			Farm	Sihu Township	23.615725	120.205	09/01/2015	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	1800	1500	1500	...	...	
Affected Population	Breeding geese								

Prefecture/City	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
YUNLIN COUNTY-other report - draft	-			Farm	Taixi Township	23.728753	120.233574	09/01/2015	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	2400	1600	1600	...	...	
Affected Population	Goose								

Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Prefecture/City	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
YUNLIN COUNTY-other report - draft	-			Farm	Sihu Township	23.63735	120.201412	09/01/2015	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	3000	2420	2420	...	...	
Affected Population	Breeding geese								

Prefecture/City	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
CHIAYI COUNTY-other report - draft	-			Farm	Budai Township	23.43529	120.20765	09/01/2015	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	8000	1950	1950	...	...	
Affected Population	Goose								

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	23.619099	120.194312	09/01/2015	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	2300	800	800	...	...	
Affected Population	Breeding geese								

Outbreak summary: Total outbreaks = 9 (Draft)

Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Birds	29250	10720	10720		

Outbreak summary: Total outbreaks = 5 (Submitted)

Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Birds	26290	10004	9883		

Epidemiology

Epidemiological comments

Abnormal mortalities in 4 goose farms in Yun-Lin County and an acute egg drop syndrome in a layer duck farm in Ping-Tung County were noticed early January 2015. Local disease control center staff went to these farms to conduct movement restrictions and clinical inspection and then sent dead geese and layer ducks samples to the National Laboratory for diagnosis. Specific RNA product of avian influenza virus was detected and subtyped as H5N2 by RT-PCR. Highly pathogenic avian influenza strain was confirmed by the National Laboratory based on sequencing analysis of HA0 cleavage site. It is worth noting that H and N genes of these isolates are different from the H5N2 strains previously isolated in Taiwan. The homology of H5 between the isolates from these infected farms and the South Korea 2014 H5N8 strain is near 99%. The homology of N2 between the isolates from these infected farms and the China 2011 H5N2 strain is 96%. This H5N2 strain is obviously novel to Taiwan. All the geese and ducks on the infected farm will be culled. The actual number of culled geese and ducks will be available when stamping out will finish and be reported in the next follow-up report. Thorough cleaning and disinfection will be conducted after stamping out operation. Surrounding poultry farms within a 3 km radius of the infected farm are under intensified surveillance for 3 months.

Source of the outbreak(s) or origin of infection

- Unknown or inconclusive

Measures applied

Applied	To be applied
<ul style="list-style-type: none"> • stamping out • quarantine • movement control inside the country • screening • zoning • disinfection of infected premises/establishment(s) 	<ul style="list-style-type: none"> • no planned control measures
Animals treated	Vaccination Prohibited
No	Yes

Diagnostic test results

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Laboratory Type	Name of Laboratory	Species	Test Type	Date Results Provided	Result
National laboratory	Animal Health Research Institute (AHRI)	Birds	reverse transcription - polymerase chain reaction (RT-PCR)	11/01/2015	Positive
National laboratory	Animal Health Research Institute (AHRI)	Birds	gene sequencing	11/01/2015	Positive

Future Reporting

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

Outbreak maps

