

Follow-up report No.: 3

Report reference: , OIE Ref: 10137, Report Date: 07/01/2011, Country: Korea (Rep. of)

Report Summary

Disease	Highly pathogenic avian influenza	Animal type	Terrestrial
Causal Agent	Highly pathogenic avian influenza virus	Serotype(s)	H5N1
Clinical Signs	Yes	Reason	Reoccurrence of a listed disease
Date of first confirmation of the event	07/12/2010	Date of Start of Event	29/11/2010
Date of report	07/01/2011	Date Submitted To OIE	07/01/2011
Diagnosis	Laboratory (basic), Laboratory (advanced)	Date Of Last Occurrence	15/05/2008
Number Of Reported Outbreaks	Submitted= 8, Draft= 0	Name of Sender of the report	Dr Kiyoon Chang
Address	Quarantine Policy Division	Position	CVO & Director
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	MIFAFF (Ministry of Food, Agriculture, Forestry and Fisheries)	Entered by	Dr Kiyoon Chang
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Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start date	End Date
JEOLLABUK-DO	Iksan city	Chunpo-myun	Not applicable	Chunpo-ri	35,53469	126,569188	29/11/2010	07/12/2010
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Wild species	Animals	39	1	0	0	0		
Affected Population	Anas platyrhynchos (mallard duck)							

Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start date	End Date
CHUNGCHEONGNAM-DO	Seosan city	Buseok-myun	Not applicable	Chang-ri	36,380855	126,221268	29/11/2010	10/12/2010
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Wild species	Animals	...	2	2	0	0		
Affected Population	Bubo bubo (eagle owl)							

Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start date	End Date
JEOLLANAM-DO	Haenam-gun	Sani-myun	Not applicable	Dukho-ri	34,6306	126,4644	22/12/2010	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Wild species	Animals	74	20	20	0	0		
Affected Population		Anas platyrhynchos (mallard duck) found dead						

Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start date	End Date
GYEONGSANGNAM-DO	Sacheon city	Yonghyeon-myun	Not applicable	Jumoon-ri	35	128,0508	26/12/2010	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Wild species	Animals	...	1	1	0	0		
Affected Population		Anas platyrhynchos (mallard duck) found dead						

Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start date	End Date
JEOLLABUK-DO	Iksan city	Mangseong-myun	Farm	Muhyeong-ri	36,064585	127,023646	29/12/2010	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	17000	5	5	16995	0		
Affected Population		Chickens						

Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start date	End Date
CHUNGCHEONGNAM-DO	Cheonan city	Poongse-myun	Farm	Poongseo-ri	36,430021	127,072233	29/12/2010	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	10850	1	1	10849	0		
Affected Population		A duck						

Outbreak (this report - submitted)

Province	District	Unit Type	Location	Latitude	Longitude	Start date	End Date
GYEONGSANGNAM-DO	Sacheon city	Not applicable	Sinbyeok-dong	34,590794	128,034907	30/12/2010	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Wild species	Animals	...	1	1	0	0	
Affected Population		Aix galericulata (mandarin duck) found dead					

Outbreak (this report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start date	End Date
JEOLLANAM-DO	Yeongam-gun	Sijong-myun	Farm	Bongso-ri	34,503699	126,354525	05/01/2011	

Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Birds	Animals	14500	4500	4500	10000	0
Affected Population		Ducks				

Outbreak summary: Total outbreaks = 8 (Submitted)

Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Wild species	113	25	24	0	0
Birds	42350	4506	4506	37844	0

Epidemiology

Epidemiological comments

A dead wild mandarin duck was reported to the local authorities. The tests carried out in the NVRQS detected H5N1 HPAI virus antigen from some samples. The area within 10km radius from the detection spot was put under movement control. Disinfection and clinical surveillance in that area has been intensified.

There was also a notification of HPAI suspected cases in a farm. 4,500 out of 14,500 ducks were dead in 5 days. It was proved as HPAI virus H5N1 subtype in NVRQS. The poultry in the affected farm and in the area within 500 m radius from the affected farm were culled and buried.

Disinfection and clinical surveillance in the area within 10km radius from the affected farm has been intensified.

Source of the outbreak(s) or origin of infection • Unknown or inconclusive

Control Measures

Applied	<ul style="list-style-type: none"> Control of wildlife reservoirs Stamping out Movement control inside the country Screening Zoning Disinfection of infected premises/establishment(s) 	To be applied	• No Planned Control Measures
		Vaccination Prohibited	Yes
Animals treated	No		

Country / Zone

Country or zone	a zone or compartment
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Diagnostic test results

Laboratory Type	Name of Laboratory	Species	Test Type	Date Results Provided	Result
National laboratory	National Veterinary Research and Quarantine Service (NVRQS)	Birds	gene sequencing	07/01/2011	Positive
National laboratory	National Veterinary Research and Quarantine Service (NVRQS)	Birds	reverse transcription - polymerase chain reaction (RT-PCR)	07/01/2011	Positive
National laboratory	National Veterinary Research and Quarantine Service (NVRQS)	Wild species	reverse transcription - polymerase chain reaction (RT-PCR)	06/01/2011	Positive

Future Reporting

What further reports will be submitted in relation to this event?

There are 6outbreaks that are still recorded as unresolved. It is not possible to declare this event resolved until these individual outbreaks are resolved.

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

Outbreak maps

