

## Follow-up report No.: 4

Report reference: , OIE Ref: 10145, Report Date: 17/01/2011, Country: Korea (Rep. of)

### Report Summary

<b>Disease</b>	Highly pathogenic avian influenza	<b>Animal type</b>	Terrestrial
<b>Causal Agent</b>	Highly pathogenic avian influenza virus	<b>Serotype(s)</b>	H5N1
<b>Clinical Signs</b>	Yes	<b>Reason</b>	Reoccurrence of a listed disease
<b>Date of first confirmation of the event</b>	07/12/2010	<b>Date of Start of Event</b>	29/11/2010
<b>Date of report</b>	17/01/2011	<b>Date Submitted To OIE</b>	17/01/2011
<b>Diagnosis</b>	Laboratory (basic), Laboratory (advanced)	<b>Date Of Last Occurrence</b>	15/05/2008
<b>Number Of Reported Outbreaks</b>	Submitted= 31, Draft= 0	<b>Name of Sender of the report</b>	Dr Kiyoon Chang
<b>Address</b>	Quarantine Policy Division	<b>Position</b>	CVO & Director
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	MIFAFF (Ministry of Food, Agriculture, Forestry and Fisheries)	<b>Entered by</b>	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		
<b>Affected Population</b>	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		
<b>Affected Population</b>	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		
<b>Affected Population</b>		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		
<b>Affected Population</b>		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		
<b>Affected Population</b>		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		
<b>Affected Population</b>		A duck						

### Outbreak (other 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	
<b>Affected Population</b>		Aix galericulata (mandarin duck) found dead					

### Outbreak (other 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 (this report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start date	End Date
JEOLLANAM-DO	Naju-city	Gongsan-myun	Farm	Namchang-ri	34,574137	126,360959	06/01/2011	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	4600	10	0	4600	0		
Affected Population		ducks						

#### Outbreak (this report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start date	End Date
JEOLLANAM-DO	Naju-city	Nampyeong-eup	Farm	Gwangi-ri	35,031912	126,501415	06/01/2011	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	34000	400	400	33600	0		
Affected Population		ducks						

#### Outbreak (this report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start date	End Date
JEOLLANAM-DO	Naju-city	Seji-myun	Farm	Seongsan-ri	34,534929	126,431834	06/01/2011	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	12700	3000	3000	9700	0		
Affected Population		ducks						

#### Outbreak (this report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start date	End Date
JEOLLANAM-DO	Yeongam-gun	Sijong-myun	Farm	Sinyeon-ri	34,542645	126,352623	07/01/2011	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	10600	500	500	10100	0		
Affected Population		ducks						

#### Outbreak (this report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start date	End Date
CHUNGCHEONGNAM-DO	Asan-city	Eumbong-myun	Farm	Sandong-ri	36,502172	127,05401	07/01/2011	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	53000	100	100	52900	0		

Affected Population	chickens
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#### Outbreak (this report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start date	End Date
JEOLLANAM-DO	Yeongam-gun	Sijong-myun	Farm	Sinyeon-ri 3	34,541622	126,354202	07/01/2011	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	32300	200	200	32100	0		
Affected Population	ducks							

#### Outbreak (this report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start date	End Date
JEOLLANAM-DO	Naju-city	Seji-myun	Farm	Donggok-ri	34,573558	126,432216	07/01/2011	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	32000	3450	3450	28550	0		
Affected Population	ducks							

#### Outbreak (this report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start date	End Date
JEOLLANAM-DO	Yeongam-gun	Sijong-myun	Farm	Sinyeon-ri 2	34,542661	126,352926	07/01/2011	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	20000	500	500	19500	0		
Affected Population	ducks							

#### Outbreak (this report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start date	End Date
JEOLLANAM-DO	Naju-city	Donggang-myun	Farm	Jangdong-ri	34,535091	126,330846	08/01/2011	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	15000	300	300	14700	0		
Affected Population	ducks							

#### Outbreak (this report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start date	End Date
JEOLLANAM-DO	Yeongam-gun	Sinbuk-myun	Farm	Wolji-ri	34,53128	126,384993	09/01/2011	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	21000	7	7	20993	0		
Affected Population	ducks							

**Outbreak (this report - submitted)**

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start date	End Date
JEOLLANAM-DO	Yeongam-gun	Dopyo-myun	Farm	Wonhang-ri	34,502708	126,361997	09/01/2011	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	11200	600	600	10600	0		
Affected Population		ducks						

**Outbreak (this report - submitted)**

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start date	End Date
GYEONGGI-DO	Ansung-city	Seoun-myun	Farm	Sinheung-ri	36,554344	127,142961	09/01/2011	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	23000	100	100	22900	0		
Affected Population		ducks						

**Outbreak (this report - submitted)**

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start date	End Date
JEOLLANAM-DO	Hwasoon-gun	Cheongpoong-myun	Farm	Daebi-ri	34,533401	126,571536	09/01/2011	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	9000	100	100	8900	0		
Affected Population		ducks						

**Outbreak (this report - submitted)**

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start date	End Date
JEOLLANAM-DO	Yeongam-gun	Dopyo-myun	Farm	Guhak-ri	34,510966	126,374339	09/01/2011	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	24000	9	9	23991	0		
Affected Population		ducks						

**Outbreak (this report - submitted)**

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start date	End Date
JEOLLANAM-DO	Naju-city	Sanpo-myun	Farm	Deokrye-ri	35,030258	126,482281	11/01/2011	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	13600	90	90	13510	0		
Affected Population		ducks						

**Outbreak (this report - submitted)**

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start date	End Date
JEOLLANAM-DO	Naju-city	Moonpyeong-myun	Farm	Okdang-ri	35,021952	126,361682	11/01/2011	

Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Birds	Animals	130000	7000	7000	123000	0
Affected Population		chickens				

#### Outbreak (this report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start date	End Date
GYEONGGI-DO	Anseong-city	Ijuk-myun	Farm	Sanbuk-ri	37,05036	127,302343	11/01/2011	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	14800	72	72	14728	0		
Affected Population		chickens						

#### Outbreak (this report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start date	End Date
JEOLLANAM-DO	Naju-city	Sanpo-myun	Farm	Hwaji-ri	36,013481	126,485233	11/01/2011	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	5000	120	120	4880	0		
Affected Population		ducks						

#### Outbreak (this report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start date	End Date
JEOLLANAM-DO	Jangheung-gun	Jangpyeong-myun	Farm	Gidong-ri	34,482101	126,571974	11/01/2011	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	20000	800	800	19200	0		
Affected Population		ducks						

#### Outbreak (this report - submitted)

Province	Sub-district	Unit Type	Location	Latitude	Longitude	Start date	End Date
JEOLLANAM-DO	Yeosu-city	Farm	Manheung-dong	34,462901	127,431367	12/01/2011	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	20	5	5	15	0	
Affected Population		chickens					

#### Outbreak (this report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start date	End Date
JEOLLANAM-DO	Yeongam-gun	Gunseo-myun	Farm	Haechang-ri	34,484235	126,385108	12/01/2011	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	12000	1640	1640	10360	0		

Affected Population	ducks
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### Outbreak (this report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start date	End Date
GYEONGGI-DO	Anseong-city	Miyang-myun	Farm	Gangdeok-ri	36,572065	127,133919	13/01/2011	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	45000	4	4	44996	0		
Affected Population		ducks						

### Outbreak (this report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start date	End Date
GYEONGGI-DO	Icheon-city	Seolseong-myun	Farm	Haengjuk-ri	37,065473	127,320666	14/01/2011	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	160000	1300	1300	158700	0		
Affected Population		chickens						

### Outbreak summary: Total outbreaks = 31 (Submitted)

Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Wild species	113	25	24	0	0
Birds	745170	24813	24803	720367	0

### Epidemiology

Epidemiological comments
There were notifications of HPAI suspected cases from farmers. They were proved as HPAI virus H5N1 subtype in NVRQS. The poultry in the affected farms and in the area within 500 m radius from the affected farms were culled and buried. Disinfection and clinical surveillance in the area within 10 km radius from the affected farms has been intensified.

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

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

## 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	reverse transcription - polymerase chain reaction (RT-PCR)	14/01/2011	Positive
National laboratory	National Veterinary Research and Quarantine Service (NVRQS)	Birds	gene sequencing	14/01/2011	Positive
National laboratory	National Veterinary Research and Quarantine Service (NVRQS)	Birds	gene sequencing	13/01/2011	Positive
National laboratory	National Veterinary Research and Quarantine Service (NVRQS)	Birds	reverse transcription - polymerase chain reaction (RT-PCR)	13/01/2011	Positive
National laboratory	National Veterinary Research and Quarantine Service (NVRQS)	Birds	reverse transcription - polymerase chain reaction (RT-PCR)	12/01/2011	Positive
National laboratory	National Veterinary Research and Quarantine Service (NVRQS)	Birds	gene sequencing	12/01/2011	Positive
National laboratory	National Veterinary Research and Quarantine Service (NVRQS)	Birds	gene sequencing	11/01/2011	Positive
National laboratory	National Veterinary Research and Quarantine Service (NVRQS)	Birds	reverse transcription - polymerase chain reaction (RT-PCR)	11/01/2011	Positive
National laboratory	National Veterinary Research and Quarantine Service (NVRQS)	Birds	gene sequencing	10/01/2011	Positive
National laboratory	National Veterinary Research and Quarantine Service (NVRQS)	Birds	reverse transcription - polymerase chain reaction (RT-PCR)	10/01/2011	Positive
National laboratory	National Veterinary Research and Quarantine Service (NVRQS)	Birds	reverse transcription - polymerase chain reaction (RT-PCR)	09/01/2011	Positive
National laboratory	National Veterinary Research and Quarantine Service (NVRQS)	Birds	gene sequencing	09/01/2011	Positive
National laboratory	National Veterinary Research and Quarantine Service (NVRQS)	Birds	gene sequencing	08/01/2011	Positive
National laboratory	National Veterinary Research and Quarantine Service (NVRQS)	Birds	reverse transcription - polymerase chain reaction (RT-PCR)	08/01/2011	Positive

## Future Reporting

What further reports will be submitted in relation to this event?
There are 29 outbreaks 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

