

Follow-up report No.: 4

Report reference: , OIE Ref: 7050, Report Date: 20/05/2008, 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	03/04/2008	Date of Start of Event	01/04/2008
Date of report	20/05/2008	Date Submitted To OIE	21/05/2008
Diagnosis	Clinical, Laboratory (basic), Laboratory (advanced)	Date Of Last Occurrence	06/03/2007
Number Of Reported Outbreaks	Submitted= 33, Draft= 0	Name of Sender of the report	Dr Chang-Seob Kim
Address	#1, Joongang-Dong Gwacheon-city	Position	Director, Animal Health Division
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Outbreak (other report - submitted)

CHOLLA-BUKDO	Yongji-myun	Unit Type	Location	Latitude	Longitude	Start	End
CHOLLA-BUKDO	Yongji-myun	Farm	Kimje	35,4948	126,5912	01/04/2008	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	150570	2380	2380	148190	0	
Affected Population		a layer chicken farm					

Outbreak (other report - submitted)

CHOLLA-BUKDO	Jeongeup	Unit Type	Location	Latitude	Longitude	Start	End
CHOLLA-BUKDO	Jeongeup	Farm	Youngwon-myun	35,3922	126,4529	03/04/2008	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	12500	6000	6000	6500	...	
Affected Population		a duck raising farm					

Outbreak (other report - submitted)

CHOLLA-BUKDO	Jeongeup	Unit Type	Location	Latitude	Longitude	Start	End
CHOLLA-BUKDO	Jeongeup	Farm	Gobu-myun	35,3659	126,4838	06/04/2008	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	18000	200	200	17800	...	

Affected Population	a duck raising farm
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Outbreak (other report - submitted)

CH'UNGCH'ONG-BUKDO	Jeongeup	Unit Type	Location	Latitude	Longitude	Start	End
CH'UNGCH'ONG-BUKDO	Jeongeup	Farm	Youngwon-myun	35,384689	126,435359	07/04/2008	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	37000	430	430	36570	...	
Affected Population		a duck raising farm					

Outbreak (other report - submitted)

CHOLLA-BUKDO	Kimje	Unit Type	Location	Latitude	Longitude	Start	End
CHOLLA-BUKDO	Kimje	Farm	Yongji-myun 5	35,500464	127,000087	09/04/2008	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	30900	8	8	30892	...	
Affected Population		a layer chicken farm					

Outbreak (other report - submitted)

CHOLLA-BUKDO	Kimje	Unit Type	Location	Latitude	Longitude	Start	End
CHOLLA-BUKDO	Kimje	Farm	Yongji-myun 2	35,510755	126,592816	09/04/2008	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	10500	15	15	10485	...	
Affected Population		a layer chicken farm					

Outbreak (other report - submitted)

CHOLLA-BUKDO	Kimje	Unit Type	Location	Latitude	Longitude	Start	End
CHOLLA-BUKDO	Kimje	Farm	Yongji-myun 1	35,500584	126,590428	09/04/2008	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	6100	12	12	6088	...	
Affected Population		a layer chicken farm					

Outbreak (other report - submitted)

CHOLLA-BUKDO	Kimje	Unit Type	Location	Latitude	Longitude	Start	End
CHOLLA-BUKDO	Kimje	Farm	Yongji-myun 3	35,511409	126,593017	09/04/2008	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	11400	60	60	11340	...	
Affected Population		a layer chicken farm					

Outbreak (other report - submitted)

CHOLLA-NAMDO	Youngam	Unit Type	Location	Latitude	Longitude	Start	End
CHOLLA-NAMDO	Youngam	Farm	Shinbuk-myun	35,532566	126,384674	09/04/2008	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	17775	57	57	17718	...	
Affected Population		a parent stock chicken farm					

Outbreak (other report - submitted)

CHOLLA-BUKDO	Kimje	Unit Type	Location	Latitude	Longitude	Start	End
CHOLLA-BUKDO	Kimje	Farm	Yongji-myun 4	35,502411	126,584999	09/04/2008	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	40000	8	8	39992	...	
Affected Population		a layer chicken farm					

Outbreak (other report - submitted)

CHOLLA-BUKDO	Kimje	Unit Type	Location	Latitude	Longitude	Start	End
CHOLLA-BUKDO	Kimje	Farm	Keumsan-myun	35,444207	127,030114	12/04/2008	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	920	395	395	525	...	
Affected Population		a restaurant with backyard poultry					

Outbreak (this report - submitted)

CHOLLA-BUKDO	Sunchang	Unit Type	Location	Latitude	Longitude	Start	End
CHOLLA-BUKDO	Sunchang	Farm	Donggye-myun	35,262721	127,141627	14/04/2008	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	9000	2400	2400	6600	...	
Affected Population		a duck raising farm					

Outbreak (this report - submitted)

KYONGGI-DO	Pyungtak	Unit Type	Location	Latitude	Longitude	Start	End
KYONGGI-DO	Pyungtak	Farm	Poseung-eup	36,595715	126,530365	14/04/2008	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	25716	275	275	25441	...	
Affected Population		a layer hen farm					

Outbreak (this report - submitted)

CHOLLA-BUKDO	Kimje	Unit Type	Location	Latitude	Longitude	Start	End
CHOLLA-BUKDO	Kimje	Farm	Yongji-myun	35,515819	126,575254	16/04/2008	

Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Birds	Animals	20000	13	13	19987	...
Affected Population		a layer hen farm				

Outbreak (this report - submitted)

CHOLLA-BUKDO	Kimje	Unit Type	Location	Latitude	Longitude	Start	End
CHOLLA-BUKDO	Kimje	Farm	Baekku-myun	35,521781	126,593828	16/04/2008	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	15750	15	15	15735	...	
Affected Population		a layer hen farm					

Outbreak (this report - submitted)

CHOLLA-BUKDO	Jeongup	Unit Type	Location	Latitude	Longitude	Start	End
CHOLLA-BUKDO	Jeongup	Farm	Sosung-myun	35,345836	126,452487	17/04/2008	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	22000	66	66	21934	...	
Affected Population		a parent stock chicken farm					

Outbreak (this report - submitted)

CHOLLA-BUKDO	Kimje	Unit Type	Location	Latitude	Longitude	Start	End
CHOLLA-BUKDO	Kimje	Farm	Keumku-myun	35,470324	126,590756	19/04/2008	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	35000	240	240	34760	...	
Affected Population		a native broiler chicken farm					

Outbreak (this report - submitted)

CHOLLA-BUKDO	Iksan	Unit Type	Location	Latitude	Longitude	Start	End
CHOLLA-BUKDO	Iksan	Farm	Yeosan-myun	36,044841	127,044163	21/04/2008	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	51000	450	450	50550	...	
Affected Population		a parent stock chicken farm					

Outbreak (this report - submitted)

CHOLLA-BUKDO	Iksan	Unit Type	Location	Latitude	Longitude	Start	End
CHOLLA-BUKDO	Iksan	Farm	Yongdong-myun	36,055319	127,003719	21/04/2008	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	10000	2500	2500	7500	...	

Affected Population	a native broiler chicken farm
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Outbreak (this report - submitted)

CH'UNGCH'ONG-NAMDO	Nonsan	Unit Type	Location	Latitude	Longitude	Start	End
CH'UNGCH'ONG-NAMDO	Nonsan	Farm	Bujeok-myun	36,121432	127,094139	22/04/2008	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	7800	6	6	7794	...	
Affected Population	a parent stock duck farm						

Outbreak (this report - submitted)

PUSAN-JIKHALSI	Kangseo	Unit Type	Location	Latitude	Longitude	Start	End
PUSAN-JIKHALSI	Kangseo	Farm	Daejeo2-dong	35,072915	128,554362	28/04/2008	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	229	1	1	228	...	
Affected Population	mixed farm with chickens and ducks						

Outbreak (this report - submitted)

KYONGSANG-BUKDO	Youngchon	Unit Type	Location	Latitude	Longitude	Start	End
KYONGSANG-BUKDO	Youngchon	Farm	Omi-dong	35,594268	128,553416	28/04/2008	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	46	46	46	0	...	
Affected Population	a native broiler chicken farm						

Outbreak (this report - submitted)

ULSAN	Uiju	Unit Type	Location	Latitude	Longitude	Start	End
ULSAN	Uiju	Farm	Woongchon-myun	35,291578	129,132917	28/04/2008	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	120	104	104	16	...	
Affected Population	a native broiler chicken farm						

Outbreak (this report - submitted)

TAEGU-JIKHALSI	Susung	Unit Type	Location	Latitude	Longitude	Start	End
TAEGU-JIKHALSI	Susung	Farm	Manchon-dong	35,523467	128,385178	30/04/2008	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	6	5	5	1	...	
Affected Population	a native broiler chicken farm						

Outbreak (this report - submitted)

SEOUL-JIKHALSI	Kwangjin	Unit Type	Location	Latitude	Longitude	Start	End
SEOUL-JIKHALSI	Kwangjin	Farm	Jayang-dong	37,321786	127,045658	03/05/2008	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	33	1	1	32	...	
Affected Population		chickens and ducks					

Outbreak (this report - submitted)

KANGWON-DO	Chuncheon	Unit Type	Location	Latitude	Longitude	Start	End
KANGWON-DO	Chuncheon	Farm	Sabuk-myun	38,041206	127,352279	04/05/2008	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	83	83	58	25	...	
Affected Population		native broiler chickens					

Outbreak (this report - submitted)

KYONGGI-DO	Ansung	Unit Type	Location	Latitude	Longitude	Start	End
KYONGGI-DO	Ansung	Farm	Miyang-myun	36,573666	127,13537	04/05/2008	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	55802	4433	4433	51369	...	
Affected Population		a native broiler chicken farm					

Outbreak (this report - submitted)

KYONGGI-DO	Ansung	Unit Type	Location	Latitude	Longitude	Start	End
KYONGGI-DO	Ansung	Farm	Gongdo-eup	36,582287	127,105268	07/05/2008	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	14850	502	502	14348	...	
Affected Population		mixed farm with chickens and ducks					

Outbreak (this report - submitted)

PUSAN-JIKHALSI	Gijang	Unit Type	Location	Latitude	Longitude	Start	End
PUSAN-JIKHALSI	Gijang	Farm	Jangan-eup	35,180021	129,161999	08/05/2008	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	320	25	25	295	...	
Affected Population		chickens and ducks					

Outbreak (this report - submitted)

PUSAN-JIKHALSI	Haeundae	Unit Type	Location	Latitude	Longitude	Start	End
PUSAN-JIKHALSI	Haeundae	Farm	Banyeo4-dong	35,121884	129,064324	08/05/2008	

Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Birds	Animals	26	7	7	19	...
Affected Population		chickens and ducks				

Outbreak (this report - submitted)

SEOUL-JIKHALSI	Songpa	Unit Type	Location	Latitude	Longitude	Start	End
SEOUL-JIKHALSI	Songpa	Farm	Jangji-dong	37,284093	127,080433	08/05/2008	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	8200	...	0	8200	...	
Affected Population		a duck raising farm					

Outbreak (this report - submitted)

KYONGSANG-BUKDO	Kyungsan	Unit Type	Location	Latitude	Longitude	Start	End
KYONGSANG-BUKDO	Kyungsan	Farm	Gapje-dong	35,491875	128,464106	12/05/2008	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	14700	2500	2500	12200	...	
Affected Population		native broiler chickens					

Outbreak (this report - submitted)

KYONGSANG-NAMDO	Yangsan	Unit Type	Location	Latitude	Longitude	Start	End
KYONGSANG-NAMDO	Yangsan	Farm	Sangbuk-myun	35,264918	129,023032	12/05/2008	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	59900	...	0	59900	...	
Affected Population		a layer hen farm					

Outbreak summary: Total outbreaks = 33 (Submitted)

Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Birds	686246	23237	23212	663034	0

Epidemiology

Epidemiological comments

After the HPAI outbreaks, all chickens and ducks in the infected farms and in the farms in a 3-km-radius area around them, were stamped out as a precautionary measure. Movement restrictions on poultry were applied in the surveillance zone. In order to investigate whether HPAI spread out into another zone or not, the surveillance will be enhanced all over the country. First, all parent stock duck farms will be tested for HPAI and trucks which proved to stop by the infected farm have been traced as one of the disease control measures. Country-wide serological tests on duck raising farms were conducted in collaboration with nine veterinary colleagues.

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

Control Measures

• Stamping out	To be applied	• No Planned Control Measures
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Applied	• Quarantine
	• Movement control inside the country
	• Screening
	• Zoning
	• Disinfection of infected premises/establishment(s)
Animals treated	No

Vaccination Prohibited	Yes
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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	Birds	reverse transcription – polymerase chain reaction (RT-PCR)	16/04/2008	Positive
National laboratory	National Veterinary Research and Quarantine Service	Birds	reverse transcription – polymerase chain reaction (RT-PCR)	17/04/2008	Positive
National laboratory	National Veterinary Research and Quarantine Service	Birds	reverse transcription – polymerase chain reaction (RT-PCR)	18/04/2008	Positive
National laboratory	National Veterinary Research and Quarantine Service	Birds	reverse transcription – polymerase chain reaction (RT-PCR)	18/04/2008	Positive
National laboratory	National Veterinary Research and Quarantine Service	Birds	reverse transcription – polymerase chain reaction (RT-PCR)	19/04/2008	Positive
National laboratory	National Veterinary Research and Quarantine Service	Birds	reverse transcription – polymerase chain reaction (RT-PCR)	23/04/2008	Positive
National laboratory	National Veterinary Research and Quarantine Service	Birds	reverse transcription – polymerase chain reaction (RT-PCR)	25/04/2008	Positive
National laboratory	National Veterinary Research and Quarantine Service	Birds	reverse transcription – polymerase chain reaction (RT-PCR)	01/05/2008	Positive
National laboratory	National Veterinary Research and Quarantine Service	Birds	reverse transcription – polymerase chain reaction (RT-PCR)	02/05/2008	Positive
National laboratory	National Veterinary Research and Quarantine Service	Birds	reverse transcription – polymerase chain reaction (RT-PCR)	05/05/2008	Positive
National laboratory	National Veterinary Research and Quarantine Service	Birds	reverse transcription – polymerase chain reaction (RT-PCR)	06/05/2008	Positive
National laboratory	National Veterinary Research and Quarantine Service	Birds	reverse transcription – polymerase chain reaction (RT-PCR)	08/05/2008	Positive
National laboratory	National Veterinary Research and Quarantine Service	Birds	reverse transcription – polymerase chain reaction (RT-PCR)	10/05/2008	Positive
National laboratory	National Veterinary Research and Quarantine Service	Birds	reverse transcription – polymerase chain reaction (RT-PCR)	12/05/2008	Positive
National laboratory	National Veterinary Research and Quarantine Service	Birds	reverse transcription – polymerase chain reaction (RT-PCR)	14/05/2008	Positive

Future Reporting

What further reports will be submitted in relation to this event?
There are 33outbreaks 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.

