

Follow-up report No.: 4

Report reference: , OIE Ref: 4635, Report Date: 14/12/2006, Country: Sudan

Report Summary

Disease	Highly pathogenic avian influenza	Animal type	Terrestrial
Causal Agent	Highly pathogenic avian influenza virus	Serotype(s)	H5N1
Clinical Signs	Yes	Reason	First occurrence of listed disease
Date of confirmation of Event	17/04/2006	Date of Start of Event	25/03/2006
Date of report	14/12/2006	Diagnosis	Clinical, Laboratory (basic), Laboratory (advanced)
Number of reported outbreaks	Submitted= 18, Draft= 0	Name of Sender of the report	Mr Ahmed Mustafa Hassan
Address	Khartoum ,Sudan. KHARTOUM 293	Position	Undersecretary
Telephone	+249 183 475996	Fax	+249 183 475996
Email	pacesud@yahoo.com	Entered by	Mme Maria Cristinna Ramirez

Outbreak (other report - submitted)

state	locality	Administrative	Unit Type	Location	Latitude	Longitude	Start	End
EASTERN EQUATORIA	Juba		Village	Nagali	4,89029	31,64081	17/04/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	...	...	...	...	...
Affected Population								

Outbreak (other report - submitted)

state	locality	Administrative	Unit Type	Location	Latitude	Longitude	Start	End
EASTERN EQUATORIA	Juba		Village	Nyakama	4,89029	31,64081	17/04/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	...	...	...	...	...
Affected Population								

Outbreak (other report - submitted)

state	locality	Administrative	Unit Type	Location	Latitude	Longitude	Start	End
EASTERN EQUATORIA	Juba		Village	Thawra	4,89029	31,64081	17/04/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	...	...	...	...	...
Affected Population								

Outbreak (other report - submitted)

state	locality	Administrative	Unit Type	Location	Latitude	Longitude	Start	End
EASTERN EQUATORIA	Juba		Village	Orshelim	4,89029	31,64081	17/04/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	...	...	...	...	...
Affected Population								

Outbreak (other report - submitted)

state	locality	Administrative	Unit Type	Location	Latitude	Longitude	Start	End
EASTERN EQUATORIA	Juba		Village	Gabat	4,89029	31,64081	17/04/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	...	...	...	...	...
Affected Population								

Outbreak (other report - submitted)

state	locality	Administrative	Unit Type	Location	Latitude	Longitude	Start	End
EASTERN EQUATORIA	Juba		Village	Jalaba	4,89029	31,64081	17/04/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	...	...	...	...	...
Affected Population Poultry in backyard systems 1,600 km south of Khartoum.								

Outbreak (other report - submitted)

state	locality	Administrative	Unit Type	Location	Latitude	Longitude	Start	End
EL GAZIRA	Taiba AL		Farm	Farm 1	15,8844	32,3498	15/04/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	20400	1500	1500	18900	0		
Affected Population								

Outbreak (other report - submitted)

state	locality	Administrative	Unit Type	Location	Latitude	Longitude	Start	End
KHARTOUM	Hasanab		Farm	Farm 2	15,697	32,7246	15/04/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	2883	1200	1200	1683	0		
Affected Population Poultry in both closed and backyard systems								

Outbreak (other report - submitted)

state	locality	Administrative	Unit Type	Location	Latitude	Longitude	Start	End
KHARTOUM	Khartoum North		Farm	Hag Yousif	15,697	32,7246	15/04/2006	

Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Birds	Animals	2000	970	970	1030	0
Affected Population						

Outbreak (other report - submitted)

state	locality	Administrative	Unit Type	Location	Latitude	Longitude	Start	End
KHARTOUM	Khartoum North		Farm	Kuku	15,8376	32,4435	15/04/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	1000	200	200	800	0		
Affected Population								

Outbreak (other report - submitted)

state	locality	Administrative	Unit Type	Location	Latitude	Longitude	Start	End
EL GAZIRA	Kamleen		Farm	Bahri	14,5	33,5	12/04/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	20935	9000	9000	11935	0		
Affected Population								

Outbreak (other report - submitted)

state	locality	Administrative	Unit Type	Location	Latitude	Longitude	Start	End
EL GAZIRA	Kamleen		Farm	Sina'at	14,5	33,5	16/04/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	45000	3000	3000	42000	0		
Affected Population								

Outbreak (other report - submitted)

state	locality	Administrative	Unit Type	Location	Latitude	Longitude	Start	End
EL GAZIRA	Kamleen		Farm	Masuidia	14,5	33,5	15/04/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	15000	6000	6000	9000	0		
Affected Population								

Outbreak (other report - submitted)

state	locality	Administrative	Unit Type	Location	Latitude	Longitude	Start	End
EL GAZIRA	Kamleen		Farm	Butri	14,5	33,5	16/04/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	21979	2000	2000	19979	0		

Affected Population

Outbreak (other report - submitted)

state	locality	Administrative	Unit Type	Location	Latitude	Longitude	Start	End
RIVER NILE	Atbara		Farm	Atbara	17	34	20/02/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	1000	100	100	...	0		
Affected Population								

Outbreak (other report - submitted)

state	locality	Administrative	Unit Type	Location	Latitude	Longitude	Start	End
EL GAZIRA	Gezira		Farm	Shukkaba	14,4	33,51	15/04/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	3400	1400	1400	2000	0		
Affected Population Poultry in both closed and backyard system.								

Outbreak (other report - submitted)

state	locality	Administrative	Unit Type	Location	Latitude	Longitude	Start	End
KHARTOUM	Khartoum		Farm	Soba West	15,7439	32,5372	13/04/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	35000	35000	35000	0	0		
Affected Population Poultry in both closed and backyard system.								

Outbreak (other report - submitted)

state	locality	Administrative	Unit Type	Location	Latitude	Longitude	Start	End
KHARTOUM	Khartoum North		Farm	Faki Hashim	15,7907	32,5372	01/04/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	27000	27000	27000	0	0		
Affected Population Poultry in both closed and backyard system.								

Outbreak summary: Total outbreaks = 18 (Submitted)

Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Birds	195597	87370	87370	107327	0

Epidemiology

Epidemiological comments

There have been no new outbreaks since the last report.

Between 1 October and 1 December 2006, 33 set of samples collected from backyard poultry units in Juba town (Central Equatoria State) were sent to the OIE Reference Laboratory (Veterinary Laboratory Agency, Weybridge, United Kingdom) for testing. All were found to be negative for avian influenza virus subtype H5N1. Newcastle disease virus was identified in 4 samples.

Sixteen pre-vaccination samples (cloacal and tracheal swabs) were collected from Khartoum State and sent on 23 August 2006 to the aforementioned OIE Reference Laboratory for testing. All samples were found to be negative for avian influenza virus subtype H5N1. Vaccination has started in Khartoum and Gazira States: 874,000 birds in 28 farms in Khartoum and 41,200 in 10 farms in Gazira.

Source of Infection	• Unknown or inconclusive
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Control Measures

Applied	• Vaccination in response to the outbreak (s)	To be applied	• No Planned Control Measures
Animals treated	No	Vaccination Prohibited	No

Vaccination in response to outbreak

state	Species	Number Vaccinated	Details
EL GAZIRA	Birds	41200	
KHARTOUM	Birds	874000	

Country / Zone

Country or zone	the whole country
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Diagnostic test results

Laboratory Type	Name of Laboratory	Species	Test Type	Date Results Provided	Result
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Future Reporting

What further reports will be submitted in relation to this event?
There are 18 outbreaks that are still recorded as unresolved. It is not possible to declare this event resolved until these individual outbreaks are resolved.

Outbreak map

