

Follow-up report No.: 5

Report reference: , OIE Ref: 6515, Report Date: 25/11/2007, 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 a listed disease
Date of confirmation of Event	17/04/2006	Date of Start of Event	20/02/2006
Date of report	25/11/2007	Date Submitted To OIE	25/11/2007
Diagnosis	Clinical, Laboratory (basic), Laboratory (advanced)	Number Of Reported Outbreaks	Submitted= 18, Draft= 0
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Number Of Outbreaks 1 (other report - submitted)

RIVER NILE	Atbara	Unit Type	Location	Latitude	Longitude	Start	End
RIVER NILE	Atbara	Farm	Atbara	17	34	20/02/2006	04/09/2006
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	1000	100	100	...	0	
Affected Population							

Number Of Outbreaks 1 (other report - submitted)

KHARTOUM	Khartoum North	Unit Type	Location	Latitude	Longitude	Start	End
KHARTOUM	Khartoum North	Farm	Faki Hashim	15,7907	32,5372	01/04/2006	04/09/2006
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	27000	27000	27000	0	0	
Affected Population Poultry in both closed and backyard system.							

Number Of Outbreaks 1 (other report - submitted)

EL GAZIRA	Kamleen	Unit Type	Location	Latitude	Longitude	Start	End
EL GAZIRA	Kamleen	Farm	Bahri	14,5	33,5	12/04/2006	04/09/2006
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	20935	9000	9000	11935	0	

Affected Population

Number Of Outbreaks 1 (other report - submitted)

KHARTOUM	Khartoum	Unit Type	Location	Latitude	Longitude	Start	End
KHARTOUM	Khartoum	Farm	Soba West	15,7439	32,5372	13/04/2006	04/09/2006
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	35000	35000	35000	0	0	
Affected Population		Poultry in both closed and backyard system.					

Number Of Outbreaks 1 (other report - submitted)

EL GAZIRA	Gezira	Unit Type	Location	Latitude	Longitude	Start	End
EL GAZIRA	Gezira	Farm	Shukkaba	14,4	33,51	15/04/2006	04/09/2006
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	3400	1400	1400	2000	0	
Affected Population		Poultry in both closed and backyard system.					

Number Of Outbreaks 1 (other report - submitted)

EL GAZIRA	Kamleen	Unit Type	Location	Latitude	Longitude	Start	End
EL GAZIRA	Kamleen	Farm	Masuidia	14,5	33,5	15/04/2006	04/09/2006
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	15000	6000	6000	9000	0	
Affected Population							

Number Of Outbreaks 1 (other report - submitted)

KHARTOUM	Khartoum North	Unit Type	Location	Latitude	Longitude	Start	End
KHARTOUM	Khartoum North	Farm	Kuku	15,8376	32,4435	15/04/2006	04/09/2006
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	1000	200	200	800	0	
Affected Population							

Number Of Outbreaks 1 (other report - submitted)

KHARTOUM	Khartoum North	Unit Type	Location	Latitude	Longitude	Start	End
KHARTOUM	Khartoum North	Farm	Hag Yousif	15,697	32,7246	15/04/2006	04/09/2006
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	2000	970	970	1030	0	
Affected Population							

Number Of Outbreaks 1 (other report - submitted)

KHARTOUM	Hasanab	Unit Type	Location	Latitude	Longitude	Start	End
KHARTOUM	Hasanab	Farm	Farm 2	15,697	32,7246	15/04/2006	04/09/2006
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	2883	1200	1200	1683	0	
Affected Population		Poultry in both closed and backyard systems					

Number Of Outbreaks 1 (other report - submitted)

EL GAZIRA	Taiba AL	Unit Type	Location	Latitude	Longitude	Start	End
EL GAZIRA	Taiba AL	Farm	Farm 1	15,8844	32,3498	15/04/2006	04/09/2006
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	20400	1500	1500	18900	0	
Affected Population							

Number Of Outbreaks 1 (other report - submitted)

EL GAZIRA	Kamleen	Unit Type	Location	Latitude	Longitude	Start	End
EL GAZIRA	Kamleen	Farm	Sina'at	14,5	33,5	16/04/2006	04/09/2006
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	45000	3000	3000	42000	0	
Affected Population							

Number Of Outbreaks 1 (other report - submitted)

EL GAZIRA	Kamleen	Unit Type	Location	Latitude	Longitude	Start	End
EL GAZIRA	Kamleen	Farm	Butri	14,5	33,5	16/04/2006	04/09/2006
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	21979	2000	2000	19979	0	
Affected Population							

Number Of Outbreaks 1 (other report - submitted)

EASTERN EQUATORIA	Juba	Unit Type	Location	Latitude	Longitude	Start	End
EASTERN EQUATORIA	Juba	Village	Jalaba	4,89029	31,64081	17/04/2006	04/09/2006
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	...	...	...	...	...	...
Affected Population		Poultry in backyard systems 1,600 km south of Khartoum.					

Number Of Outbreaks 1 (other report - submitted)

EASTERN EQUATORIA	Juba	Unit Type	Location	Latitude	Longitude	Start	End
EASTERN EQUATORIA	Juba	Village	Gabat	4,89029	31,64081	17/04/2006	04/09/2006

Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Birds	Animals	...	...	...	...	...
Affected Population						

Number Of Outbreaks 1 (other report - submitted)

EASTERN EQUATORIA	Juba	Unit Type	Location	Latitude	Longitude	Start	End
EASTERN EQUATORIA	Juba	Village	Orshelim	4,89029	31,64081	17/04/2006	04/09/2006
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	...	...	...	...	...
Affected Population							

Number Of Outbreaks 1 (other report - submitted)

EASTERN EQUATORIA	Juba	Unit Type	Location	Latitude	Longitude	Start	End
EASTERN EQUATORIA	Juba	Village	Thawra	4,89029	31,64081	17/04/2006	04/09/2006
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	...	...	...	...	...
Affected Population							

Number Of Outbreaks 1 (other report - submitted)

EASTERN EQUATORIA	Juba	Unit Type	Location	Latitude	Longitude	Start	End
EASTERN EQUATORIA	Juba	Village	Nyakama	4,89029	31,64081	17/04/2006	04/09/2006
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	...	...	...	...	...
Affected Population							

Number Of Outbreaks 1 (other report - submitted)

EASTERN EQUATORIA	Juba	Unit Type	Location	Latitude	Longitude	Start	End
EASTERN EQUATORIA	Juba	Village	Nagali	4,89029	31,64081	17/04/2006	04/09/2006
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	...	...	...	...	...
Affected Population							

Outbreak summary: Total outbreaks = 18 (Submitted)

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

Epidemiology

Epidemiological comments

The last outbreak of highly pathogenic avian influenza (HPAI) was recorded in Sudan on 4 September 2006.

All tested pre- and postvaccination samples collected were found negative to HPAI.

Targeted vaccination was conducted in Khartoum and Gazira States: 22,970,510 birds in 86 farms in Khartoum and 208,000 in 13 farms in Gazira .

Surveillance performed around the outbreak in the infected and the neighbouring States since 4 September 2006 has shown no other outbreak of HPAI.

Backyard surveillance was conducted in nine high risk States, commercial farms surveillance was conducted in Khartoum and Gazira States and wild birds surveillance was conducted in resting station in 5 States.

Due to the prompt strategy adopted and applied, the disease was brought to control and no incidences were recorded since 4 September 2006.

Since no infection has been present in the country since 4 September 2006, Sudan declares therefore having regained its status as a highly pathogenic avian influenza-free country.

The country is still considered as a high risk country.

Source of Infection	• Unknown or inconclusive
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Control Measures

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

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?	The event is resolved. No more reports will be submitted.
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Outbreak map

