

Follow-up report No.: 2

Report reference: , OIE Ref: 4504, Report Date: 02/03/2006, Country: Nigeria

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	06/02/2006	Date of Start of Event	10/01/2006
Date of report	02/03/2006	Diagnosis	Clinical, Laboratory (advanced), Necropsy
Number of reported outbreaks	Submitted= 35, Draft= 0	Name of Sender of the report	Dr Junaidu A. Maina
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Outbreak (this report - submitted)

State	Local Govt	District	Unit Type	Location	Latitude	Longitude	Start	End
PLATEAU	Jos South		Farm	Rikkos	9,96	8,82	20/02/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	340	...	103	237	0		
Affected Population								

Outbreak (this report - submitted)

State	Local Govt	District	Unit Type	Location	Latitude	Longitude	Start	End
PLATEAU	Jos South		Farm	Rantya Miango	9,96	8,82	15/02/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	1000	...	...	...	...
Affected Population								

Outbreak (this report - submitted)

State	Local Govt	District	Unit Type	Location	Latitude	Longitude	Start	End
PLATEAU	Jos South		Farm	Katako junction	9,96	8,82	22/02/2006	

Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Birds	Animals	1500	...	7	1403	0
Affected Population						

Outbreak (this report - submitted)

State	Local Govt	District	Unit Type	Location	Latitude	Longitude	Start	End
PLATEAU	Jos South		Farm	Katako area	9,96	8,82	24/02/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	6547	...	47	6500	0		
Affected Population								

Outbreak (this report - submitted)

State	Local Govt	District	Unit Type	Location	Latitude	Longitude	Start	End
PLATEAU	Jos South		Farm	Katako	9,96	8,82	17/02/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	5300	248	248	5052	0		
Affected Population								

Outbreak (this report - submitted)

State	Local Govt	District	Unit Type	Location	Latitude	Longitude	Start	End
PLATEAU	Jos South		Farm	Dahol Giring	9,96	8,82	13/02/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	550	...	56	494	0		
Affected Population								

Outbreak (this report - submitted)

State	Local Govt	District	Unit Type	Location	Latitude	Longitude	Start	End
PLATEAU	Jos South		Farm	Dadin Kowa	9,96	8,82	20/02/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	777	1	1	776	0		
Affected Population								

Outbreak (this report - submitted)

State	Local Govt	District	Unit Type	Location	Latitude	Longitude	Start	End
PLATEAU	Jos North		Farm	University Quarters	9,96	8,82	18/02/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	...	...	...	...	...

Affected Population

Outbreak (this report - submitted)

State	Local Govt	District	Unit Type	Location	Latitude	Longitude	Start	End
PLATEAU	Jos North		Farm	Apollo crescent	9,96	8,82	24/02/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	204	...	13	191	0		
Affected Population								

Outbreak (this report - submitted)

State	Local Govt	District	Unit Type	Location	Latitude	Longitude	Start	End
YOBE	Nangere		Farm	Potiskum	11,8355	11,0878	16/02/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	...	6	...	...	...
Affected Population								

Outbreak (this report - submitted)

State	Local Govt	District	Unit Type	Location	Latitude	Longitude	Start	End
NASARAWA	Kokona		Farm	Guraku	8,41	10,3	17/02/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	...	...	...	...	...
Affected Population								

Outbreak (this report - submitted)

State	Local Govt	District	Unit Type	Location	Latitude	Longitude	Start	End
KATSINA	Malumfashi		Farm	Malumfashi	12,7733	7,577	17/02/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	...	...	...	...	...
Affected Population								

Outbreak (this report - submitted)

State	Local Govt	District	Unit Type	Location	Latitude	Longitude	Start	End
KATSINA	Katsina		Farm	Rafukawa	12,8214	7,4087	13/02/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	1016	...	...	...	...
Affected Population								

Outbreak (this report - submitted)

State	Local Govt	District	Unit Type	Location	Latitude	Longitude	Start	End
KATSINA	Katsina		Farm	Katsina 3	12,8455	7,7934	13/02/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	200	...	...	...	...
Affected Population								

Outbreak (this report - submitted)

State	Local Govt	District	Unit Type	Location	Latitude	Longitude	Start	End
KATSINA	Katsina		Farm	Katsina 2	12,7733	7,5529	13/02/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	...	...	...	...	...
Affected Population								

Outbreak (this report - submitted)

State	Local Govt	District	Unit Type	Location	Latitude	Longitude	Start	End
KATSINA	Katsina		Farm	Katsina	12,8214	7,5529	13/02/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	2	2	2	0	0		
Affected Population								

Outbreak (this report - submitted)

State	Local Govt	District	Unit Type	Location	Latitude	Longitude	Start	End
KANO	Nasarawa		Farm	Mandubawa Avenue	11,6431	8,7793	22/02/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	400	74	74	326	0		
Affected Population								

Outbreak (this report - submitted)

State	Local Govt	District	Unit Type	Location	Latitude	Longitude	Start	End
KADUNA	Kaduna South		Farm	Kakuri Market	10,2003	7,577	21/02/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	1650	...	1132	518	0		
Affected Population								

Outbreak (this report - submitted)

State	Local Govt	District	Unit Type	Location	Latitude	Longitude	Start	End
KADUNA	Kaduna South		Farm	Kaduna 2	9,9599	7,5289	17/02/2006	

Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Birds	Animals	2500	...	2375	...	...
Affected Population						

Outbreak (this report - submitted)

State	Local Govt	District	Unit Type	Location	Latitude	Longitude	Start	End
KADUNA	Kaduna North		Farm	U/Rimi	10,4168	7,3365	21/02/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	2000	...	48	52	0		
Affected Population								

Outbreak (this report - submitted)

State	Local Govt	District	Unit Type	Location	Latitude	Longitude	Start	End
KADUNA	Kaduna North		Farm	Kawo	10,2003	7,7934	21/02/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	250	...	151	99	0		
Affected Population								

Outbreak (this report - submitted)

State	Local Govt	District	Unit Type	Location	Latitude	Longitude	Start	End
KADUNA	Kaduna North		Farm	Kaduna 1	10,2244	7,6732	17/02/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	...	...	...	...	...
Affected Population								

Outbreak (this report - submitted)

State	Local Govt	District	Unit Type	Location	Latitude	Longitude	Start	End
KADUNA	Igabi		Farm	Dankande	10,2484	7,5529	21/02/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	15400	...	400	15000	0		
Affected Population								

Outbreak (this report - submitted)

State	Local Govt	District	Unit Type	Location	Latitude	Longitude	Start	End
FEDERAL CAPITAL TERRITORY	Kije Area Council		Farm	Kayarda	11,38	9,11	18/02/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	200	150	150	...	...

Affected Population

Outbreak (this report - submitted)

State	Local Govt	District	Unit Type	Location	Latitude	Longitude	Start	End
FEDERAL CAPITAL TERRITORY	Bwari Area Council		Farm	Abuja	9,25	6,93	20/02/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	357	...	22	...	...
Affected Population								

Outbreak (this report - submitted)

State	Local Govt	District	Unit Type	Location	Latitude	Longitude	Start	End
BAUCHI	Toro		Farm	Toro 2	10,9458	10,4866	11/02/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	...	...	57084	75702	0		
Affected Population								

Outbreak (this report - submitted)

State	Local Govt	District	Unit Type	Location	Latitude	Longitude	Start	End
BAUCHI	Toro		Farm	Toro	10,8736	10,3664	17/02/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	...	...	2686	6574	0		
Affected Population								

Outbreak (this report - submitted)

State	Local Govt	District	Unit Type	Location	Latitude	Longitude	Start	End
BAUCHI	Katagum		Farm	Azare	10,8736	10,2942	15/02/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	361	...	274	87	0		
Affected Population								

The affected farms are mainly commercial and backyard poultry production units inside towns. The species involved are mostly poultry layers, with few broilers and cockerels. At Azare, however, there was a mixture of chickens, ducks and Guinea-fowl.

Outbreak (other report - submitted)

State	Local Govt	District	Unit Type	Location	Latitude	Longitude	Start	End
PLATEAU	Jos South		Farm	Katako, Jos	9,8666	8,9	02/02/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	7300	7201	4826	2474	0		
Affected Population								

Outbreak (other report - submitted)

State	Local Govt	District	Unit Type	Location	Latitude	Longitude	Start	End
KANO	Kumbotso		Farm	Janguza farms, Danbara Area, Kano	11,6672	8,5388	19/01/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	2000	1600	1600	400	0		
Affected Population								

Outbreak (other report - submitted)

State	Local Govt	District	Unit Type	Location	Latitude	Longitude	Start	End
PLATEAU	Jos South		Farm	Rikkos, Jos	9,8666	8,9	02/02/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	3000	1875	1875	1125	0		
Affected Population All the affected farms are commercial poultry production units, mostly layers of over 40 weeks of age.								

Outbreak (other report - submitted)

State	Local Govt	District	Unit Type	Location	Latitude	Longitude	Start	End
PLATEAU	Jos South		Farm	Usourji Daniel Frams, Hausa Road, Jos	9,8666	8,9	29/01/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	1200	1080	1080	120	0		
Affected Population								

Outbreak (other report - submitted)

State	Local Govt	District	Unit Type	Location	Latitude	Longitude	Start	End
PLATEAU	Jos South		Farm	M&D Farm, Bukuru low cost, Jos	9,8666	8,9	26/01/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	...	...	...	...	...
Affected Population								

Outbreak (other report - submitted)

State	Local Govt	District	Unit Type	Location	Latitude	Longitude	Start	End
KANO	Kumbotso		Farm	Sovet farms, Kano	11,6431	8,5148	26/01/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	23000	300	300	22700	0		
Affected Population								

Outbreak (other report - submitted)

State	Local Govt	District	Unit Type	Location	Latitude	Longitude	Start	End
KADUNA	Igabi		Farm	Jaji	10,7833	7,7666	10/01/2006	

Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Birds	Animals	46000	42000	40000	...	0

Affected Population

A commercial poultry layer production unit with poultry kept in battery cages. The farm has a mixture of different breeds of birds sourced from different places within the country. Some ostriches are also kept at the farm.

Outbreak summary: Total outbreaks = 35 (Submitted)

Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Birds	123054	54537	114554	139830	0

Epidemiology

Epidemiological comments

The national emergency plan has been activated and modified stamping out is being carried out at all affected locations. By 28 February 2006, a total of 445,085 poultry had been destroyed in 126 farms in Kaduna, Kano, Plateau, Katsina, Bauchi, Yobe and Nasarawa States and the Federal Capital Territory. The Government is to compensate affected farmers.

A regulation came into force on 20 February 2006 dividing the country into 3 zones (infected zone, buffer/surveillance zone and free zone), banning movement of poultry and poultry products, including egg trays, etc., between the zones, closing poultry markets, banning interstate movement of birds in the infected zone, etc.

Source of Infection • Unknown or inconclusive

Control Measures

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

Country / Zone

Country or zone the whole country

Diagnostic test results

Laboratory Type	Name of Laboratory	Species	Test Type	Date Results Provided	Result
OIE's Reference Laboratory	Padova, Italy	Birds	virus sequencing	24/02/2006	Positive
OIE's Reference Laboratory	Padova, Italy	Birds	real-time PCR	24/02/2006	Positive
OIE's Reference Laboratory	Padova, Italy	Birds	polymerase chain reaction (PCR)	24/02/2006	Positive
OIE's Reference Laboratory	Padova, Italy	Birds	neuraminidase inhibition assay	24/02/2006	Positive
OIE's Reference Laboratory	Padova, Italy	Birds	haemagglutination inhibition test (HIT)	24/02/2006	Positive
National laboratory	National Veterinary Research Institute, Vom, Nigeria	Birds	virus isolation	24/02/2006	Positive

National laboratory	National Veterinary Research Institute, Vom, Nigeria	Birds	haemagglutination inhibition test (HIT)	24/02/2006	Positive
National laboratory	National Veterina			6	Positive

Future Reporting

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

There are 35 outbreaks that are still recorded as unresolved. It is no

Outbreak map

