



**Highly pathogenic avian influenza,
Nepal**

Information received on 06/01/2013 from Dr Nar Bahadur Rajwar, Director General, Department of Livestock Services, Department of Livestock Services, Lalitpur, Nepal

Summary

Report type	Follow-up report No. 3
Date of start of the event	27/08/2012
Date of pre-confirmation of the event	03/09/2012
Report date	06/01/2013
Date submitted to OIE	06/01/2013
Reason for notification	Reoccurrence of a listed disease
Date of previous occurrence	30/03/2012
Manifestation of disease	Clinical disease
Causal agent	Highly pathogenic avian influenza virus
Serotype	H5N1
Nature of diagnosis	Clinical, Laboratory (basic), Laboratory (advanced), Necropsy
This event pertains to	the whole country
Related reports	Immediate notification (14/10/2012) Follow-up report No. 1 (02/11/2012) Follow-up report No. 2 (24/12/2012) Follow-up report No. 3 (06/01/2013)

New outbreaks (4)

Outbreak 1	Ramkot 6, Ramkot, Kathmandu, BAGMATI					
Date of start of the outbreak	11/12/2012					
Outbreak status	Resolved (28/12/2012)					
Epidemiological unit	Farm					
Affected animals	Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered
	Birds	1968	1968	1968	0	0
Affected population	Broiler parent farm					

Outbreak 2	Sitapaila 1, Sitapaila 1, Kathmandu, BAGMATI					
Date of start of the outbreak	25/12/2012					
Outbreak status	Resolved (28/12/2012)					
Epidemiological unit	Farm					
Affected animals	Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered
	Birds	3000	760	760	2240	0
Affected population	Commercial layer farm					

Outbreak 3	Raigaon, Chaughada 1, Nuwakot, BAGMATI					
Date of start of the outbreak	30/12/2012					
Outbreak status	Resolved (03/01/2013)					
Epidemiological unit	Farm					
Affected animals	Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered
	Birds	499	101	101	398	0
Affected population	Local birds raised in a village in a free-range system					

Outbreak 4	Sitapaila 1, Sitapaila 1, Kathmandu, BAGMATI					
Date of start of the outbreak	31/12/2012					
Outbreak status	Resolved (03/01/2013)					
Epidemiological unit	Farm					
Affected animals	Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered
	Birds	3000	360	360	2640	0
Affected population	Commercial layer farm					

Summary of outbreaks	Total outbreaks: 4					
Total animals affected	Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered
	Birds	8467	3189	3189	5278	0
Outbreak statistics	Species	Apparent morbidity rate	Apparent mortality rate	Apparent case fatality rate	Proportion susceptible animals lost*	
	Birds	37.66%	37.66%	100.00%	100.00%	
*Removed from the susceptible population through death, destruction and/or slaughter						

Epidemiology

Source of the outbreak(s) or origin of infection	Unknown or inconclusive
Epidemiological comments	Birds showed swollen head with respiratory distress and started to die. High morbidity and mortality were recorded in the affected farm. All remaining birds, poultry product and poultry production materials were destroyed and disposed as per the standard operating procedure. Cleaning and disinfection activities are being continued. Intensive surveillance activities are ongoing throughout the country. The neuraminidase type is not yet known.

Control measures

Measures applied	Control of wildlife reservoirs Stamping out Quarantine Movement control inside the country Screening Disinfection of infected premises/establishment(s) Dipping / Spraying Vaccination prohibited No treatment of affected animals
Measures to be applied	No other measures

Diagnostic test results

Laboratory name and type	Species	Test	Test date	Result
Central Veterinary Laboratory (National laboratory)	Birds	polymerase chain reaction (PCR)	23/12/2012	Positive
Central Veterinary Laboratory (National laboratory)	Birds	rapid tests	23/12/2012	Positive

Future Reporting

The event is continuing. Weekly follow-up reports will be submitted.
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Map of outbreak locations

