



**Highly pathogenic avian influenza,
Nepal**

Information received on 21/09/2013 from Dr Nar Bahadur Rajwar, Director General, Department of Livestock Services, Department of Livestock Services, Lalitpur, Nepal

Summary

Report type	Follow-up report No. 12
Date of start of the event	27/08/2012
Date of pre-confirmation of the event	03/09/2012
Report date	21/09/2013
Date submitted to OIE	21/09/2013
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) Follow-up report No. 4 (18/01/2013) Follow-up report No. 5 (21/01/2013) Follow-up report No. 6 (15/02/2013) Follow-up report No. 7 (11/04/2013) Follow-up report No. 8 (26/05/2013) Follow-up report No. 9 (30/06/2013) Follow-up report No. 10 (09/09/2013) Follow-up report No. 11 (11/09/2013) Follow-up report No. 12 (21/09/2013)

New outbreaks (43)

Outbreak cluster 1	Bhaktapur Municipality and adjoining villages, BNP/Villages, Bhaktapur, BAGMATI (34 outbreaks)					
Date of start of the outbreak	26/07/2013					
Outbreak status	Resolved (17/08/2013)					
Epidemiological unit	Farm					
Affected animals	Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered
	Birds	266959	44493	44493	222466	0
Affected population	Commercial broiler/layer and broiler parent stock raised in deep litter system within Bhaktapur Municipality Ward No. 1, 6, 12, 10 and Nakhel, Duwakot, Balkot, Chitapol, Jhaukhel, Dadhikot, Tathali, Katunje, Chaling, Sudal, Bageshowri VDCs.					

Outbreak 2	Chiliya, Chiliya 6, Rupandehi, LUMBINI					
Date of start of the outbreak	27/07/2013					
Outbreak status	Resolved (01/08/2013)					
Epidemiological unit	Farm					
	Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered

Affected animals	Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered
	Birds	1300	360	360	940	0
Affected population	Broiler birds raised in deep litter system					

Outbreak 3	Bhadbhanjayang, Bhandbhanjayang 4, Kathmandu, BAGMATI					
Date of start of the outbreak	29/07/2013					
Outbreak status	Resolved (11/08/2013)					
Epidemiological unit	Farm					
Affected animals	Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered
	Birds	11980	2296	2296	9684	0
Affected population	Layers and broiler birds raised in deep litter system in Bhandbhanjayang, Thankot, Purano Naikap Area					

Outbreak 4	Parsauni, Parsauni, Nawalparasi, LUMBINI					
Date of start of the outbreak	02/08/2013					
Outbreak status	Resolved (07/08/2013)					
Epidemiological unit	Farm					
Affected animals	Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered
	Birds	1200	325	325	875	0
Affected population	Broiler birds in deep litter system and backyard chicken raised in nearby area in free-range system					

Outbreak 5	Imadol, Imadol 8, Lalitpur, BAGMATI					
Date of start of the outbreak	02/08/2013					
Outbreak status	Resolved (07/08/2013)					
Epidemiological unit	Farm					
Affected animals	Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered
	Birds	1000	790	790	210	0
Affected population	Layer flock raised in deep litter system					

Outbreak 6	Chapagaun, Chapagaun/Jharuwarashi, Lalitpur, BAGMATI					
Date of start of the outbreak	02/08/2013					
Outbreak status	Resolved (08/08/2013)					
Epidemiological unit	Farm					
Affected animals	Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered
	Birds	23000	1500	1500	21500	0
Affected population	Broiler parent stock and day old chicks from the hatchery.					

Outbreak 7	Nepathok, kusehwor Dumja 4, Sindhuli, JANAKPUR					
Date of start of the outbreak	05/08/2013					
Outbreak status	Resolved (13/08/2013)					
Epidemiological unit	Farm					
Affected animals	Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered
	Birds	400	388	388	12	0
Affected population	Culled layers birds for slaughtering purpose					

Outbreak 8	Bikateshwor, Bikateshwor 2, Kavre, BAGMATI					
Date of start of the outbreak	08/08/2013					
Outbreak status	Resolved (14/08/2013)					
Epidemiological unit	Farm					
Affected animals	Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered
	Birds	40000	4580	4580	35420	0
Affected population	Broiler parent stock raised in deep litter system					

Outbreak 9	Ichangu Narayan, Ichangu, Kathmandu, BAGMATI					
Date of start of the outbreak	08/08/2013					
Outbreak status	Resolved (16/08/2013)					
Epidemiological unit	Farm					
Affected animals	Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered
	Birds	3000	440	440	2560	0
Affected population	Broiler birds raised in deep litter system					

Outbreak 10	Gothatar, Gothatar, Kathmandu, BAGMATI					
Date of start of the outbreak	09/08/2013					
Outbreak status	Resolved (13/08/2013)					
Epidemiological unit	Farm					
Affected animals	Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered
	Birds	1000	456	456	544	0
Affected population	A broiler farm raised in deep litter system					

Summary of outbreaks	Total outbreaks: 43					
Total animals affected	Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered
	Birds	349839	55628	55628	294211	0
Outbreak statistics	Species	Apparent morbidity rate	Apparent mortality rate	Apparent case fatality rate	Proportion susceptible animals lost*	
	Birds	15.90%	15.90%	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 respiratory distress, nervous signs and all affected birds died. Cleaning and disinfection activities in the infected premises are completed. Intensive surveillance activities are ongoing throughout the country.

Control measures

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

Future Reporting

The event is continuing. Weekly follow-up reports will be submitted.

Map of outbreak locations

