

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

Summary

Report type	Follow-up report No. 10
Date of start of the event	27/08/2012
Date of pre-confirmation of the event	03/09/2012
Report date	09/09/2013
Date submitted to OIE	09/09/2013
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	<a href="#">Immediate notification (14/10/2012)</a> <a href="#">Follow-up report No. 1 (02/11/2012)</a> <a href="#">Follow-up report No. 2 (24/12/2012)</a> <a href="#">Follow-up report No. 3 (06/01/2013)</a> <a href="#">Follow-up report No. 4 (18/01/2013)</a> <a href="#">Follow-up report No. 5 (21/01/2013)</a> <a href="#">Follow-up report No. 6 (15/02/2013)</a> <a href="#">Follow-up report No. 7 (11/04/2013)</a> <a href="#">Follow-up report No. 8 (26/05/2013)</a> <a href="#">Follow-up report No. 9 (30/06/2013)</a> <a href="#">Follow-up report No. 10 (09/09/2013)</a>

New outbreaks (9)

Outbreak 1	Gothatar, Gothatar, Kathmandu, BAGMATI					
Date of start of the outbreak	28/06/2013					
Outbreak status	Resolved (03/07/2013)					
Epidemiological unit	Farm					
Affected animals	Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered
	Birds	1500	485	485	1015	0
Affected population	A commercial layer farm in deep litter system.					

Outbreak 2	Seuchatar, Seuchatar 2, Kathmandu, BAGMATI					
Date of start of the outbreak	01/07/2013					
Outbreak status	Resolved (05/07/2013)					
Epidemiological unit	Farm					
Affected animals	Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered
	Birds	3000	180	180	2820	0

<b>Affected population</b>	A commercial layer farm in deep litter system
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<b>Outbreak 3</b>	<b>Chauni, KMC 17, Kathmandu, BAGMATI</b>												
<b>Date of start of the outbreak</b>	01/07/2013												
<b>Outbreak status</b>	Resolved (05/07/2013)												
<b>Epidemiological unit</b>	Farm												
<b>Affected animals</b>	<table border="1"> <thead> <tr> <th>Species</th> <th>Susceptible</th> <th>Cases</th> <th>Deaths</th> <th>Destroyed</th> <th>Slaughtered</th> </tr> </thead> <tbody> <tr> <td>Birds</td> <td>15000</td> <td>2345</td> <td>2345</td> <td>12655</td> <td>0</td> </tr> </tbody> </table>	Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered	Birds	15000	2345	2345	12655	0
Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered								
Birds	15000	2345	2345	12655	0								
<b>Affected population</b>	Parent stock farm having parent broiler and day old chicks.												

<b>Outbreak 4</b>	<b>Pepsikola, KMC 35, Kathmandu, BAGMATI</b>												
<b>Date of start of the outbreak</b>	02/07/2013												
<b>Outbreak status</b>	Resolved (05/07/2013)												
<b>Epidemiological unit</b>	Village												
<b>Affected animals</b>	<table border="1"> <thead> <tr> <th>Species</th> <th>Susceptible</th> <th>Cases</th> <th>Deaths</th> <th>Destroyed</th> <th>Slaughtered</th> </tr> </thead> <tbody> <tr> <td>Birds</td> <td>15</td> <td>15</td> <td>15</td> <td>0</td> <td>0</td> </tr> </tbody> </table>	Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered	Birds	15	15	15	0	0
Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered								
Birds	15	15	15	0	0								
<b>Affected population</b>	Backyard chicken raised in free range system												

<b>Outbreak 5</b>	<b>Gothatar 6, Gothatar, Kathmandu, BAGMATI</b>												
<b>Date of start of the outbreak</b>	04/07/2013												
<b>Outbreak status</b>	Resolved (09/07/2013)												
<b>Epidemiological unit</b>	Farm												
<b>Affected animals</b>	<table border="1"> <thead> <tr> <th>Species</th> <th>Susceptible</th> <th>Cases</th> <th>Deaths</th> <th>Destroyed</th> <th>Slaughtered</th> </tr> </thead> <tbody> <tr> <td>Birds</td> <td>4500</td> <td>202</td> <td>202</td> <td>4298</td> <td>0</td> </tr> </tbody> </table>	Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered	Birds	4500	202	202	4298	0
Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered								
Birds	4500	202	202	4298	0								
<b>Affected population</b>	A commercial layer farm raised in deep litter system												

<b>Outbreak 6</b>	<b>Matatirtha, Matatirtha 1, Kathmandu, BAGMATI</b>												
<b>Date of start of the outbreak</b>	05/07/2013												
<b>Outbreak status</b>	Resolved (18/07/2013)												
<b>Epidemiological unit</b>	Farm												
<b>Affected animals</b>	<table border="1"> <thead> <tr> <th>Species</th> <th>Susceptible</th> <th>Cases</th> <th>Deaths</th> <th>Destroyed</th> <th>Slaughtered</th> </tr> </thead> <tbody> <tr> <td>Birds</td> <td>3500</td> <td>792</td> <td>792</td> <td>2708</td> <td>0</td> </tr> </tbody> </table>	Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered	Birds	3500	792	792	2708	0
Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered								
Birds	3500	792	792	2708	0								
<b>Affected population</b>	A commercial layer farm in deep litter system												

<b>Outbreak 7</b>	<b>Bhadbhanjayang 2, Bhadbhanjayang, Kathmandu, BAGMATI</b>												
<b>Date of start of the outbreak</b>	05/07/2013												
<b>Outbreak status</b>	Resolved (09/07/2013)												
<b>Epidemiological unit</b>	Farm												
<b>Affected animals</b>	<table border="1"> <thead> <tr> <th>Species</th> <th>Susceptible</th> <th>Cases</th> <th>Deaths</th> <th>Destroyed</th> <th>Slaughtered</th> </tr> </thead> <tbody> <tr> <td>Birds</td> <td>1000</td> <td>470</td> <td>470</td> <td>530</td> <td>0</td> </tr> </tbody> </table>	Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered	Birds	1000	470	470	530	0
Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered								
Birds	1000	470	470	530	0								
<b>Affected population</b>	A commercial broiler farm in deep litter system												

Affected population	Commercial broiler farm in deep litter system												
<b>Outbreak 8</b>	<b>Chabahil, KMC 7, Kathmandu, BAGMATI</b>												
<b>Date of start of the outbreak</b>	13/07/2013												
<b>Outbreak status</b>	Resolved (18/07/2013)												
<b>Epidemiological unit</b>	Farm												
<b>Affected animals</b>	<table border="1"> <thead> <tr> <th>Species</th> <th>Susceptible</th> <th>Cases</th> <th>Deaths</th> <th>Destroyed</th> <th>Slaughtered</th> </tr> </thead> <tbody> <tr> <td>Birds</td> <td>30</td> <td>6</td> <td>6</td> <td>24</td> <td>0</td> </tr> </tbody> </table>	Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered	Birds	30	6	6	24	0
Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered								
Birds	30	6	6	24	0								
<b>Affected population</b>	Backyard bird (Giriraja) raised in a household												

<b>Outbreak 9</b>	<b>Ravi Bhavan, KMC 12, Kathmandu, BAGMATI</b>												
<b>Date of start of the outbreak</b>	15/07/2013												
<b>Outbreak status</b>	Resolved (17/07/2013)												
<b>Epidemiological unit</b>	Not applicable												
<b>Affected animals</b>	<table border="1"> <thead> <tr> <th>Species</th> <th>Susceptible</th> <th>Cases</th> <th>Deaths</th> <th>Destroyed</th> <th>Slaughtered</th> </tr> </thead> <tbody> <tr> <td>House Crow:Corvus splendens(Corvidae)</td> <td></td> <td>1</td> <td>1</td> <td>0</td> <td>0</td> </tr> </tbody> </table>	Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered	House Crow:Corvus splendens(Corvidae)		1	1	0	0
Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered								
House Crow:Corvus splendens(Corvidae)		1	1	0	0								
<b>Affected population</b>	A crow found dead near a tree at Rabibhavan area.												

<b>Summary of outbreaks</b>	<b>Total outbreaks: 9</b>																		
<b>Total animals affected</b>	<table border="1"> <thead> <tr> <th>Species</th> <th>Susceptible</th> <th>Cases</th> <th>Deaths</th> <th>Destroyed</th> <th>Slaughtered</th> </tr> </thead> <tbody> <tr> <td>Birds</td> <td>28545</td> <td>4495</td> <td>4495</td> <td>24050</td> <td>0</td> </tr> <tr> <td>House Crow:Corvus splendens(Corvidae)</td> <td></td> <td>1</td> <td>1</td> <td>0</td> <td>0</td> </tr> </tbody> </table>	Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered	Birds	28545	4495	4495	24050	0	House Crow:Corvus splendens(Corvidae)		1	1	0	0
Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered														
Birds	28545	4495	4495	24050	0														
House Crow:Corvus splendens(Corvidae)		1	1	0	0														
<b>Outbreak statistics</b>	<table border="1"> <thead> <tr> <th>Species</th> <th>Apparent morbidity rate</th> <th>Apparent mortality rate</th> <th>Apparent case fatality rate</th> <th>Proportion susceptible animals lost*</th> </tr> </thead> <tbody> <tr> <td>Birds</td> <td>15.75%</td> <td>15.75%</td> <td>100.00%</td> <td>100.00%</td> </tr> <tr> <td>House Crow:Corvus splendens(Corvidae)</td> <td>**</td> <td>**</td> <td>100.00%</td> <td>**</td> </tr> </tbody> </table>	Species	Apparent morbidity rate	Apparent mortality rate	Apparent case fatality rate	Proportion susceptible animals lost*	Birds	15.75%	15.75%	100.00%	100.00%	House Crow:Corvus splendens(Corvidae)	**	**	100.00%	**			
Species	Apparent morbidity rate	Apparent mortality rate	Apparent case fatality rate	Proportion susceptible animals lost*															
Birds	15.75%	15.75%	100.00%	100.00%															
House Crow:Corvus splendens(Corvidae)	**	**	100.00%	**															
<b>*Removed from the susceptible population through death, destruction and/or slaughter</b>																			
<b>**Not calculated because of missing information</b>																			

## Epidemiology

<b>Source of the outbreak(s) or origin of infection</b>	Unknown or inconclusive
<b>Epidemiological comments</b>	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

<b>Measures applied</b>	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
<b>Measures to be applied</b>	No other measures

## Future Reporting

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

## Map of outbreak locations

