

Follow-up report No.1

Report reference: CAN-2015-NAI-002, Reference OIE : 17537, Report Date : 21/04/2015, Country : Canada

Report Summary

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		Date submitted to OIE	21/04/2015

Animal type	Terrestrial	Date of report	21/04/2015
Disease	Highly pathogenic avian influenza	Date of start of the event	03/04/2015
Causal Agent	Highly pathogenic avian influenza virus	Date of confirmation of the event	05/04/2015
Serotype(s)	H5N2	Date of last occurrence	02/2015
Reason	Reoccurrence of a listed disease	Diagnosis	Clinical, Laboratory (advanced)
Country or zone	a zone or compartment	Clinical signs	Yes
Number of reported outbreaks	submitted= 2, Draft= 0		

Outbreak details

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
ONTARIO-other report - submitted	-			Farm	Beachville	43.0907	-80.8293	03/04/2015	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	44800	10800	10800	34000	0			
Affected Population	ONT-2015-NAI-001 Meat turkey commercial farm with 4 barns. One barn is affected, with approximately 75% mortality. Age of the birds in the affected barn: 16 weeks.								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
ONTARIO- (this report - submitted)	-			Farm	Bright	43.2668	-80.6497	15/04/2015	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	27000	1000	1000			
Affected Population	ONT-2015-NAI-002 Broiler breeder commercial farm. Two barns with birds 29 weeks of age. One barn affected.								

Outbreak summary: Total outbreaks = 2 (Submitted)

Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Birds	71800	11800	11800	34000	0

Epidemiology

Epidemiological comments

Testing at the Canadian Food Inspection Agency (CFIA) National Centre for Foreign Animal Disease (NCFAD) on samples from outbreak ONT-2015-NAI-001 has confirmed HPAI H5N2 virus with an IVPI of 2.97. Testing has also confirmed a H5N2 avian influenza virus with the same pathogenicity based on preliminary molecular sequencing on one additional farm (ONT-2015-NAI-002) with clinical signs. On 12 April 2015, the CFIA announced the establishment of an Avian Influenza Control Zone in Ontario to control the movement of animals, products and equipment in the area to minimize disease spread. The boundary of the Avian Influenza Control Zone covers a 10km radius from the ONT-2015-NAI-001 premises confirmed to be infected with avian influenza, located in Oxford County, Ontario. All premises located within the Avian Influenza Control Zone have been placed under quarantine. The CFIA is monitoring these premises closely for any signs of disease. Infected premises ONT-2015-NAI-002 is also located in Oxford County. The farm is quarantined, disease control actions are in progress and a zone is being established. Humane depopulation of all susceptible animals on infected premises ONT-2015-NAI-001 was completed on 10 April 2015. The process for cleaning and disinfecting all barns has started. All activities on farm are under the direct supervision of the Canadian Food Inspection Agency (CFIA).

Source of the outbreak(s) or origin of infection

Epidemiological comments

Testing at the Canadian Food Inspection Agency (CFIA) National Centre for Foreign Animal Disease (NCFAD) on samples from outbreak ONT-2015-NAI-001 has confirmed HPAI H5N2 virus with an IVPI of 2.97.

Testing has also confirmed a H5N2 avian influenza virus with the same pathogenicity based on preliminary molecular sequencing on one additional farm (ONT-2015-NAI-002) with clinical signs.

On 12 April 2015, the CFIA announced the establishment of an Avian Influenza Control Zone in Ontario to control the movement of animals, products and equipment in the area to minimize disease spread.

The boundary of the Avian Influenza Control Zone covers a 10km radius from the ONT-2015-NAI-001 premises confirmed to be infected with avian influenza, located in Oxford County, Ontario.

All premises located within the Avian Influenza Control Zone have been placed under quarantine. The CFIA is monitoring these premises closely for any signs of disease.

Infected premises ONT-2015-NAI-002 is also located in Oxford County. The farm is quarantined, disease control actions are in progress and a zone is being established.

Humane depopulation of all susceptible animals on infected premises ONT-2015-NAI-001 was completed on 10 April 2015. The process for cleaning and disinfecting all barns has started. All activities on farm are under the direct supervision of the Canadian Food Inspection Agency (CFIA).

Source of the outbreak(s) or origin of infection

- Contact with wild species
- Unknown or inconclusive

Measures applied

Applied	To be applied
<ul style="list-style-type: none"> • stamping out • quarantine • movement control inside the country • screening • zoning 	<ul style="list-style-type: none"> • disinfection of infected premises/establishment(s)
Animals treated	Vaccination Prohibited
No	Yes

Diagnostic test results

Laboratory Type	Name of Laboratory	Species	Test Type	Date Results Provided	Result
National laboratory	National Centre for Foreign Animal Disease - CFIA	Birds	virus isolation	09/04/2015	Positive
National laboratory	National Centre for Foreign Animal Disease - CFIA	Birds	intravenous pathogenicity index (IVPI) test	19/04/2015	Positive

Future Reporting

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

Outbreak maps

