

Follow-up report No.2

Report reference: CAN-2014-NAI-001., Reference OIE : 16736, Report Date : 12/12/2014, Country : Canada

Report Summary

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		Date submitted to OIE	12/12/2014

Animal type	Terrestrial	Date of report	12/12/2014
Disease	Highly pathogenic avian influenza	Date of start of the event	30/11/2014
Causal Agent	Highly pathogenic avian influenza virus	Date of pre-confirmation of the event	01/12/2014
Serotype(s)	H5N2	Date of last occurrence	01/2008
Reason	Reoccurrence of a listed disease	Diagnosis	Laboratory (advanced)
Country or zone	a zone or compartment	Clinical signs	Yes
Number of reported outbreaks	submitted= 9, Draft= 0		

Outbreak details

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
BRITISH COLUMBIA-other report - submitted	-			Farm	Abbotsford	49.052273	-122.30595	30/11/2014	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	28000	7700	7700	20300	0			
Affected Population	BC-2014-NAI-002 Meat turkey farm Affected barn: 83 days of age toms (70% mortality). In addition, hens and 2 week old poults on the premises with normal mortality rate.								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
BRITISH COLUMBIA-other report - submitted	-			Farm	Chilliwack	49.171042	-121.95099	30/11/2014	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	12800	700	700	12100	0			
Affected Population	BC-2014-NAI-001 Chicken broiler breeder farm. The affected barn holds a flock of 24 weeks of age (10% mortality). An adjacent barn, not affected, contains a flock of 47 weeks of age.								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
BRITISH COLUMBIA-other report - submitted	-			Farm	Abbotsford	49.052273	-122.30595	02/12/2014	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	27000	22	22	26978	0			
Affected Population	BC-2014-NAI-004 Chicken broiler breeder farm. Affected barn holds hens and roosters 41 week old (sudden death). In addition, 7 and 59 week old hens and roosters on the premises with normal mortality rates.								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
BRITISH COLUMBIA-other report - submitted	-			Farm	Abbotsford	49.052273	-122.30595	03/12/2014	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	14500	250	250	14250	0			
Affected Population	BC-2014-NAI-003 Chicken broiler breeder farm. Affected barn holds hens and roosters 37 week old (sudden death). In addition, 2 week old pullets on the premises with normal mortality rate.								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
BRITISH COLUMBIA-other report - submitted	-			Farm	Abbotsford	49.052275	-122.30597	05/12/2014	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	31000	50	50	30950	0			
Affected Population	BC-2014-NAI-005 Meat turkey farm. One barn affected 9 week old birds, high mortality. In addition, 4 and 14 week old birds on premises with normal mortality rates.								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
BRITISH COLUMBIA-(this report - submitted)	-			Farm	Abbotsford	49.05227	-122.30595	08/12/2014	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	17500	200	200	...	...	
Affected Population	BC-2014-NAI-007 Chicken broiler breeders.								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
BRITISH COLUMBIA-(this report - submitted)	-			Farm	Abbotsford	49.05227	-122.30595	08/12/2014	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	33000	...	...	...	...
Affected Population	BC-2014-NAI-006 Meat turkey.								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
BRITISH COLUMBIA-(this report - submitted)	-			Farm	Abbotsford	49.05227	-122.30595	09/12/2014	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	8800	55	55	...	...	
Affected Population	BC-2014-NAI-008 Chicken broiler breeders.								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
BRITISH COLUMBIA-(this report - submitted)	-			Farm	Abbotsford	49.05227	-122.30595	10/12/2014	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	5840	...	...	...	...

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Affected Population	BC-2014-NAI-009 Chicken broiler breeders.								

Outbreak summary: Total outbreaks = 9 (Submitted)

Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Birds	178440	8977	8977	104578	0

Epidemiology

Epidemiological comments

Four (4) additional outbreaks were confirmed since the previous report. All outbreaks are located in the same small area in the province of British Columbia.

Depopulation of all infected premises is underway, with appropriate cleaning and disinfection, under the supervision of the Canadian Food Inspection Agency (CFIA).

The CFIA National Center for Foreign Animal Disease confirms that the novel H5N2 virus detected in BC contains 5 of 8 gene segments from highly pathogenic Eurasian H5N8 virus including the H5 gene and 3 of 8 segments from typical North American viruses including the N2 gene (wild bird origin).

Source of the outbreak(s) or origin of infection

- 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 • disinfection of infected premises/establishment(s) 	<ul style="list-style-type: none"> • no planned control measures
Animals treated	Vaccination Prohibited
No	Yes

Future Reporting

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

Outbreak maps

