Immediate notification report

Report Summary

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Position: OIE Delegate for Canada, Chief Food Safety Officer Vice-President, Science Branch
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Ottawa, Ontario K1A 0Y9 Ottawa
Date submitted to OIE: 03/12/2014

Animal type: Terrestrial
Date of report: 03/12/2014
Disease: Highly pathogenic avian influenza
Date of start of the event: 30/11/2014
Causal Agent: Avian influenza virus
Date of pre-confirmation of the event: 01/12/2014
Serotype(s): H5
Date of last occurrence: 01/2008
Reason: Recurrence of a listed disease
Diagnosis: Laboratory (advanced)

Country or zone: a zone or compartment
Clinical signs: Yes

Number of reported outbreaks: submitted=2, Draft=0

<table>
<thead>
<tr>
<th>Province</th>
<th>Number of outbreaks</th>
<th>District</th>
<th>Sub-district</th>
<th>Unit Type</th>
<th>Location</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Start Date</th>
<th>End Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>BRITISH COLUMBIA- (this report - submitted)</td>
<td>-</td>
<td>Farm</td>
<td>Abbotsford</td>
<td>49.052273</td>
<td>-122.30595</td>
<td>30/11/2014</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Species</td>
<td>Measuring units</td>
<td>Susceptible</td>
<td>Cases</td>
<td>Deaths</td>
<td>Destroyed</td>
<td>Slaughtered</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Birds</td>
<td>Animals</td>
<td>11000</td>
<td>5500</td>
<td>5500</td>
<td>0</td>
<td>0</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Affected Population</td>
<td>Meat turkey farm 83 days of age</td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
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</thead>
<tbody>
<tr>
<td>BRITISH COLUMBIA- (this report - submitted)</td>
<td>-</td>
<td>Farm</td>
<td>Chilliwack</td>
<td>49.171042</td>
<td>-121.95099</td>
<td>30/11/2014</td>
<td></td>
<td></td>
<td></td>
</tr>
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<td>Slaughtered</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Birds</td>
<td>Animals</td>
<td>7000</td>
<td>700</td>
<td>700</td>
<td>0</td>
<td>0</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Affected Population</td>
<td>Chicken broiler breeder farm (3 barns). The affected barn holds a flock of 24 weeks of age. Two adjacent barns, not affected, one with a flock of 47 weeks of age and one of a 1 week old pullet flock.</td>
<td></td>
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</tr>
</tbody>
</table>

Outbreak summary: Total outbreaks = 2 (Submitted)

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<th>Cases</th>
<th>Deaths</th>
<th>Destroyed</th>
<th>Slaughtered</th>
</tr>
</thead>
<tbody>
<tr>
<td>Birds</td>
<td>18000</td>
<td>6200</td>
<td>6200</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

Epidemiology

Epidemiological comments

Important note: Although this event is reported as highly pathogenic avian influenza (HPAI), full subtyping and pathogenicity index (IVPI) are not yet completed. Reporting as HPAI is based on preliminary testing and clinical signs.

Sudden high mortality (10% in outbreak in Chilliwack and 50% in outbreak in Abbotsford) within 24-48 hrs. Preliminary testing done at the British Columbia Provincial Laboratory indicates presence of H5 avian influenza virus. Additional testing currently underway at the Canadian Food Inspection Agency (CFIA) National Centre for Foreign Animal Disease (NCFAD).

Source of the outbreak(s) or origin of infection
- Unknown or inconclusive

Measures applied

Applied | To be applied
Applied To be applied
• quarantine
• quarantine
• stamping out
• movement control inside the country
• screening
• zoning
• disinfection of infected premises/establishment(s)

Animals treated Vaccination Prohibited
No

Vaccination Prohibited

Diagnostic test results

<table>
<thead>
<tr>
<th>Laboratory Type</th>
<th>Name of Laboratory</th>
<th>Species</th>
<th>Test Type</th>
<th>Date Results Provided</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Local laboratory</td>
<td>Animal Health Centre, British Columbia Ministry of Agriculture</td>
<td>Birds</td>
<td>real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)</td>
<td>01/12/2014</td>
<td>Positive</td>
</tr>
</tbody>
</table>

Future Reporting

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