Follow-up report No.1


Report Summary

Name of sender of the report Dr John Clifford
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Email John.Clifford@aphis.usda.gov
Date submitted to OIE 07/01/2015

Animal type Terrestrial
Date of report 07/01/2015
Disease Highly pathogenic avian influenza
Date of start of the event 10/12/2014
Causal Agent Highly pathogenic avian influenza virus
Date of pre-confirmation of the event 15/12/2014
Serotype(s) H5N2
Date of last occurrence 2004
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

Outbreak details

State Washington other report - submitted
County Whatcom
Unit Type Not applicable
Location Whatcom County
Latitude 48.9
Longitude -122.48
Start Date 10/12/2014
End Date:

Species Northern Pintail:Anatidae(Anas acuta)
Measuring units Animals
Susceptible Cases Deaths Destroyed Slaughtered

Affected Population Wild pintail ducks

State Washington - (this report - submitted)
County Benton
Unit Type Backyard
Location Benton County
Latitude 46.283
Longitude -119.521
Start Date 24/12/2014
End Date:

Species Birds
Measuring units Animals
Susceptible Cases Deaths Destroyed Slaughtered

Affected Population The affected premises is a small backyard mixed free-range flock of geese, turkeys, chickens, ducks, and pigeons that are allowed access to the outdoors and regularly exposed to wild migratory waterfowl.

Outbreak summary: Total outbreaks = 2 (Submitted)

Species Northern Pintail
Measuring units Birds
Susceptible Cases Deaths Destroyed Slaughtered

Epidemiology

Epidemiological comments

The USDA Animal and Plant Health Inspection Service (APHIS), in conjunction with State Departments of Agriculture and Wildlife, are continuing to conduct a comprehensive epidemiological investigation and enhanced surveillance in response to the HPAI H5N2 wild bird related event.

The USDA APHIS National Veterinary Services Laboratory (NVSL) confirmed avian influenza virus (AIV) H5N2 in a backyard mixed flock. Preliminary results indicate that the H5N2 identified is 99% similar to the recent H5N2 isolated from the Northern pintail duck.

Epidemiological investigation of backyard AIV infected premises as of 6 January 2015:
• Two high risk epidemiologically linked contact backyard premises have been identified and placed under quarantine. Biological sampling for AIV has been completed and results are pending.
• Enhanced surveillance in a 10 km radius has been implemented.

The HPAI H5N2 virus has NOT been found in commercial poultry anywhere in the United States.
Epidemiological comments

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• Contact with wild species

Source of the outbreak(s) or origin of infection

• Contact with wild species

Measures applied

<table>
<thead>
<tr>
<th>Applied</th>
<th>To be applied</th>
</tr>
</thead>
<tbody>
<tr>
<td>• stamping out</td>
<td>• disinfection of infected premises/establishment(s)</td>
</tr>
<tr>
<td>• quarantine</td>
<td></td>
</tr>
<tr>
<td>• movement control inside the country</td>
<td></td>
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</tbody>
</table>

Animals treated

<table>
<thead>
<tr>
<th>Vaccination Prohibited</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
</tr>
<tr>
<td>Yes</td>
</tr>
</tbody>
</table>

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>National laboratory</td>
<td>National Veterinary Services Laboratory (NVSL)</td>
<td>Birds</td>
<td>virus isolation</td>
<td></td>
<td>Pending</td>
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<tr>
<td>National laboratory</td>
<td>National Veterinary Services Laboratory (NVSL)</td>
<td>Birds</td>
<td>virus sequencing</td>
<td>03/01/2015</td>
<td>Positive</td>
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<tr>
<td>National laboratory</td>
<td>National Veterinary Services Laboratory (NVSL)</td>
<td>Birds</td>
<td>real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)</td>
<td>03/01/2015</td>
<td>Positive</td>
</tr>
</tbody>
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Future Reporting

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