Immediate notification report  
Report reference: REF OIE 17686, Report Date: 08/05/2015, Country: Mexico

Report Summary

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Date submitted to OIE: 08/05/2015

Animal type: Terrestrial
Date of report: 08/05/2015

Disease: Highly pathogenic avian influenza
Date of start of the event: 28/04/2015

Causal Agent: Highly pathogenic avian influenza virus
Date of confirmation of the event: 07/05/2015

Serotype(s): H7N3

Reason: First occurrence of a listed disease
Clinical signs: Yes

Country or zone: a zone or compartment
Number of reported outbreaks: submitted= 1, Draft= 0

Outbreak details

<table>
<thead>
<tr>
<th>Estado</th>
<th>Number of outbreaks</th>
<th>Municipio</th>
<th>Localidad</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>CHIAPAS (this report - submitted)</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
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<td>-</td>
</tr>
</tbody>
</table>

Species | Measuring units | Susceptible | Cases | Deaths | Destroyed | Slaughtered |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Plain chachalaca: Cracidae (Ortal is Vetula)</td>
<td>Animals</td>
<td>...</td>
<td>6</td>
<td>6</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Clay-colored thrush: Turdidae (Turdus grayi)</td>
<td>Animals</td>
<td>...</td>
<td>2</td>
<td>2</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

Affected Population

Outbreak summary: Total outbreaks = 1 (Submitted)

Species | Susceptible | Cases | Deaths | Destroyed | Slaughtered |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Plain chachalaca</td>
<td>6</td>
<td>6</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Clay-colored thrush</td>
<td>2</td>
<td>2</td>
<td>0</td>
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</table>

Epidemiology

Endemic wild birds were reported having been found dead in a nature reserve called “The Zapotal”; the reserve is in the State of Chiapas, consists of 100 hectares of semi-humid forest, with several species of sapotas, and shows a wide variety of native wildlife of this State. It has about 220 animal species in their natural environments and 154 species living freely in the reserve, of which 62 species of birds.

During the initial investigation, three highly pathogenic avian influenza virus of H7N3 subtype were isolated with an intravenous pathogenicity index of 2.91 and 2.99. A 10 km focal and perifocal zone was established and no evidence of infection was found in commercial poultry.

Under the national epidemiological surveillance program, a state active epidemiological surveillance program is on-going for 100% of the commercial poultry and, through a statistical sample size, in backyard poultry, based on serological, virological and molecular testing; no evidence of infection was found in commercial poultry or in backyard poultry. The affected species are Ortalis vetula and Turdus grayi. The epidemiological investigation continues.

Source of the outbreak(s) or origin of infection

- Unknown or inconclusive

Measures applied

Applied | To be applied
---|---
- control of wildlife reservoirs | - no planned control measures
- movement control inside the country
- screening
- zoning
- disinfection of infected premises/establishment(s)
### 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>Level 3 Biosecurity Laboratory, SENASICA</td>
<td>Clay-colored thrush</td>
<td>intravenous pathogenicity index (IVPI) test</td>
<td>07/05/2015</td>
<td>Positive</td>
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<td>Level 3 Biosecurity Laboratory, SENASICA</td>
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<td>virus isolation</td>
<td>29/04/2015</td>
<td>Positive</td>
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<td>Positive</td>
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### Future Reporting

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