Immediate notification report


Report Summary

Name of sender of the report: Dr Kazuo Ito
Position: Director
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Fax: +81 3 3502 3385
Email: animal_health88@maff.go.jp
Date submitted to OIE: 29/11/2016

Animal type: Terrestrial
Disease: Highly pathogenic avian influenza
Causal Agent: Highly pathogenic avian influenza virus
Serotype(s): H5

Reason: Reoccurrence of a listed disease
Diagnosis: Clinical, Laboratory (basic)
Country or zone: the whole country
Clinical signs: Yes

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

Outbreak details

<table>
<thead>
<tr>
<th>Prefecture</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>AOMORI-</td>
<td></td>
<td></td>
<td></td>
<td>Farm</td>
<td>Aomori-shi</td>
<td>40.814459</td>
<td>140.749038</td>
<td>28/11/2016</td>
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</tbody>
</table>

Species: Measuring units
Susceptible
Cases
Deaths
Destroyed
Slaughtered
Birds: Animals
16500
10
10
...
0
Affected Population: Poultry (domestic ducks)

<table>
<thead>
<tr>
<th>Prefecture</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>NIIGATA-</td>
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<td>Farm</td>
<td>Sekikawa-mura</td>
<td>38.089616</td>
<td>139.564917</td>
<td>28/11/2016</td>
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</tr>
</tbody>
</table>

Species: Measuring units
Susceptible
Cases
Deaths
Destroyed
Slaughtered
Birds: Animals
315590
130
130
...
0
Affected Population: Poultry (layers)

Outbreak summary: Total outbreaks = 2 (Submitted)

Species
Susceptible
Cases
Deaths
Destroyed
Slaughtered
Birds
132090
140
140
0

Epidemiology

Epidemiological comments

Outbreak 1 (Aomori):
On 28 November 2016, the local veterinary service in Aomori Prefecture received a notification from a domestic duck farm on an increase in the number of dead birds (10 birds on the same day). The samples were sent to the laboratory of local veterinary service (Aomori Livestock Hygiene Service Centre) and the samples from dead birds were confirmed to be influenza A virus positive by antigen-capture kits. On the same day, the Centre started RT-PCR and RRT-PCR tests and confirmed that the subtype was H5.

Outbreak 2 (Niigata):
On 28 November 2016, the local veterinary service in Niigata Prefecture received a notification from a domestic hen farm on an increase in the number of dead birds (60 birds on the same day). The samples were sent to the laboratory of local veterinary service (Niigata Livestock Hygiene Service Centre) and the samples from dead birds were confirmed to be influenza A virus positive by antigen-capture kits. On the same day, the Centre started RT-PCR and RRT-PCR tests and confirmed that the subtype was H5.

For both outbreaks:
Stamping-out policy was applied to the affected farms. Destruction of all the susceptible birds in the affected farms is being implemented.
Movement restrictions are imposed on the farms within a radius of 3km of the affected farms.
Shipment restrictions are imposed on the farms within a radius of 3-10km of the affected farms.
The N-type has not yet been identified.
Measures applied

Applied
• stamping out
• quarantine
• movement control inside the country
• screening
• disinfection / disinfestation

To be applied
• no planned control measures

Animals treated

Vaccination Prohibited

No

Yes

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>
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</thead>
<tbody>
<tr>
<td>Local laboratory</td>
<td>Aomori Livestock Hygiene Service Centre</td>
<td>Birds</td>
<td>reverse transcription - polymerase chain reaction (RT-PCR)</td>
<td>28/11/2016</td>
<td>Positive</td>
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<tr>
<td>Local laboratory</td>
<td>Aomori Livestock Hygiene Service Centre</td>
<td>Birds</td>
<td>real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)</td>
<td>28/11/2016</td>
<td>Positive</td>
</tr>
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<td>National laboratory</td>
<td>Niigata Livestock Hygiene Service Centre</td>
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Future Reporting

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