Immediate notification report
Report reference: AVI'EL H5N1 REF OIE 16982, Report Date: 18/01/2015, Country: Israel

Report Summary
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Date submitted to OIE: 18/01/2015

Animal type: Terrestrial
Date of report: 18/01/2015
Disease: Highly pathogenic avian influenza
Date of start of the event: 14/01/2015
Causal Agent: Highly pathogenic avian influenza virus
Date of pre-confirmation of the event: 17/01/2015
Serotype(s): H5N1
Date of last occurrence: 25/03/2012

Reason: Reoccurrence of a listed disease
Diagnosis: Suspicion, Clinical, Laboratory (basic), Laboratory (advanced), Necropsy

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

Number of reported outbreaks: submitted= 1, Draft= 0

Outbreak details
Province: HAZAFON - (this report - submitted)
District: Haifa
Sub-district: Farm
Unit Type: AVI'EL
Location: 32.5303813494 34.991326989
Latitude: 14/01/2015
Longitude: 14/01/2015

Species: Birds
Measuring units: Measuring units
Susceptible: 141000
Cases: 10000
Deaths: 15000
Destroyed: 10000
Slaughtered: 0

Affected Population: This turkey fattening farm contains 13 pens with a total of 55,000 males and 25,000 females aged 16-17 weeks. The mortality has been observed in 5 of the pens, whilst the mortality was very high and hyperacute in 3 of them.
On post mortem examination, enteritis and enlarged spleen have been demonstrated.
In addition, 350 meters away, there is a poultry farm of 61,000 5-week-old turkeys. No clinical signs have been seen in poultry at this farm.
No other commercial flocks are located within the radius of 3 kilometers.

Outbreak summary: Total outbreaks = 1 (Submitted)

Species
Birds
Susceptible: 141000
Cases: 30000
Deaths: 15000
Destroyed: 10000
Slaughtered: 0

Epidemiological comments
The epidemiological investigation is ongoing.
The first time H5N1 occurred in Israel was in March 2006 revealing 9 outbreaks.
Since then, all the outbreaks that occurred in commercial flocks were also in March (2011, 2012) except one outbreak that took place in January 2010, in the same region of the present outbreak (distance of 8 kilometers). The disease had been also diagnosed in a kindergarden’s minizo at the end of December 2007, 3 kilometers from the present outbreak. This area has numerous water ponds with water birds wintering in them.
The culling of all the flocks is ongoing. Backyard birds in the village will also be culled.

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

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

Diagnostic test results
Laboratory Type
Name of Laboratory
Species
Test Type
Date Results Provided
Result

Printed on: Mon Jan 19 15:09:42 CET 2015
<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>Kimron Veterinary Institute, Avian Diseases Laboratory</td>
<td>Birds</td>
<td>intravenous pathogenicity index (IVPI) test</td>
<td>Pending</td>
<td></td>
</tr>
<tr>
<td>National laboratory</td>
<td>Kimron Veterinary Institute, Avian Diseases Laboratory</td>
<td>Birds</td>
<td>pathogen isolation by egg inoculation</td>
<td>Pending</td>
<td></td>
</tr>
<tr>
<td>National laboratory</td>
<td>Kimron Veterinary Institute, Avian Diseases Laboratory</td>
<td>Birds</td>
<td>real-time PCR</td>
<td>17/01/2015</td>
<td>Positive</td>
</tr>
</tbody>
</table>

**Future Reporting**

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