Follow-up report No.1


Report Summary

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Date of submission to OIE: 25/01/2015

Animal type: Terrestrial

Disease: Highly pathogenic avian influenza

Causal Agent: Highly pathogenic avian influenza virus

Serotype(s): H5N1

Reason: Reoccurrence of a listed disease

Country or zone: a zone or compartment

Number of reported outbreaks: submitted= 3, Draft= 0

Outbreak details

Province Number of outbreaks District Sub-district Unit Type Location Latitude Longitude Start Date End Date:

HAIFA-other report - submitted

Species Measuring units Susceptible Cases Deaths Destroyed Slaughtered

Birds Animals 141000 14000 15000 10000 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.

HAIFA- (this report - submitted)

Province Number of outbreaks District Sub-district Unit Type Location Latitude Longitude Start Date End Date:

Species Measuring units Susceptible Cases Deaths Destroyed Slaughtered

Birds Animals 17000 3500 17000 15000 0

Affected Population: The flock contains 36 weeks broilers grand parents which are divided in two adjacent pens. Hyperacute mortality.

HAIFA- (this report - submitted)

Province Number of outbreaks District Sub-district Unit Type Location Latitude Longitude Start Date End Date:

Species Measuring units Susceptible Cases Deaths Destroyed Slaughtered

Birds Animals 40000 15000 3000 35000 0

Affected Population: 10 weeks turkeys.

Outbreak summary: Total outbreaks = 3 (Submitted)

Species Susceptible Cases Deaths Destroyed Slaughtered
### Epidemiology

**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 Aviel's outbreak (distance of 10 kilometers). The disease had been also diagnosed in a kindergarden’s minizoo at the end of December 2007, 3 kilometers from the Aviel's outbreak. This area has numerous water ponds with water birds wintering in them.

Backyard birds in the village have also been culled. A few days later, two additional outbreaks have been diagnosed in the same region as described in the report.

The culling of the flocks has been terminated.

**Source of the outbreak(s) or origin of infection**

- Unknown or inconclusive

### Measures applied

**Applied**

- stamping out
- quarantine
- movement control inside the country
- zoning

**To be applied**

- screening
- disinfection of infected premises/establishment(s)

### Animals treated

- 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>
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<tbody>
<tr>
<td>National laboratory</td>
<td>Kimron Veterinary Institute, Avian Diseases Laboratory</td>
<td>Birds</td>
<td>pathogen isolation by egg inoculation</td>
<td>23/01/2015</td>
<td>Positive</td>
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<td>National laboratory</td>
<td>Kimron Veterinary Institute, Avian Diseases Laboratory</td>
<td>Birds</td>
<td>real-time PCR</td>
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<td>Positive</td>
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<td>Kimron Veterinary Institute, Avian Diseases Laboratory</td>
<td>Birds</td>
<td>intravenous pathogenicity index (IVPI) test</td>
<td>Pending</td>
<td></td>
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</tbody>
</table>

### Future Reporting

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

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Follow-up report No.: 1, Report reference: AVIEL H5N1, OIE Ref: 17059, Report Date: 25/01/2015, Country: Israel
Outbreak maps