Follow-up report No.3

Report Summary

Name of sender of the report Dr John Clifford
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Date submitted to OIE 24/03/2017

Animal type Terrestrial
Date of report 24/03/2017
Disease Highly pathogenic avian influenza
Date of start of the event 01/03/2017
Causal Agent Highly pathogenic avian influenza virus
Date of confirmation of the event 04/03/2017
Serotype(s) H7N9
Date of last occurrence 2016
Reason Reoccurrence of a listed disease
Clinical signs Yes
Country or zone a zone or compartment

Outbreak details

State TEnNESSEE-other report - submitted
Number of outbreaks -
County Lincoln
Unit Type Farm
Location Lincoln County
Latitude 35.132
Longitude -86.567
Start Date 01/03/2017
End Date:
Species Birds
Measuring units Animals
Susceptible 74000
Cases ...
Deaths 300
Destroyed 73000
Slaughtered 0
Affected Population Commercial chicken broiler-breeder flock

State TEnNESSEE-other report - submitted
Number of outbreaks -
County Lincoln
Unit Type Farm
Location Lincoln County
Latitude 35.07
Longitude -86.653
Start Date 13/03/2017
End Date:
Species Birds
Measuring units Animals
Susceptible 55000
Cases ...
Deaths 344
Destroyed 54656
Slaughtered 0
Affected Population Commercial chicken broiler-breeder flock

Outbreak summary: Total outbreaks = 2 (Submitted)

Species Susceptible Cases Deaths Destroyed Slaughtered
Birds 129000 1044 127956 0

Epidemiology

Epidemiological comments
The USDA Animal and Plant Health Inspection Service (APHIS), in conjunction with the Tennessee Department of Agriculture, are continuing to respond to the identification of a highly pathogenic avian influenza (HPAI) H7N9 in commercial breeder flocks in Lincoln County, Tennessee. This H7N9 strain is of North American wild bird lineage. This is NOT the same as the China H7N9 lineage that has impacted poultry and infected humans in Asia. Although the subtypes are the same (H7N9) the virus detected in the United States is a very different virus, genetically distinct from the China H7N9 lineage.

A comprehensive epidemiological investigation in the surrounding area is continuing and enhanced surveillance and testing is ongoing. Surveillance samples from a premises located within the infection zone (3 kilometers) confirmed a second outbreak of the same North American strain of avian influenza HPAI H7N9.

State officials have quarantined the affected premises and implemented movement controls. Depopulation of birds on the second premises has been completed.

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

Measures applied
Applied To be applied
<table>
<thead>
<tr>
<th>Applied</th>
<th>To be applied</th>
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<tbody>
<tr>
<td>• movement control inside the country</td>
<td>• no planned control measures</td>
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<tr>
<td>• disinfection / disinestation</td>
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<tr>
<td>• quarantine</td>
<td></td>
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<tr>
<td>• surveillance outside containment and/or protection zone</td>
<td></td>
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<tr>
<td>• stamping out</td>
<td></td>
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<tr>
<td>• official disposal of carcasses, by-products and waste</td>
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<tr>
<td>• surveillance within containment and/or protection zone</td>
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<td>• zoning</td>
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**Animals treated**
- **Vaccination Prohibited**
  - No
  - Yes

**Future Reporting**

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