Follow-up report No.6


Report Summary

Name of sender of the report  Dr Jean-François Heymans
Position  Director
Address  CA - Botanique, Food Safety Center
          Bd du Jardin Botanique 55
          B-1000 Bruxelles Bruxelles
Telephone  +32 2211 8642
Fax  +32 2211 8630
Email  jean-francois.heymans@afsca.be
Date submitted to OIE  13/07/2017

Animal type  Terrestrial
Date of report  12/07/2017

Disease  Highly pathogenic influenza A viruses (infection with) (non-poultry including wild birds)
Causal Agent  Highly pathogenic influenza A virus
Serotype(s)  H5N8
Date of start of the event  22/05/2017
Date of confirmation of the event  01/06/2017
Date of last occurrence  28/03/2017
Reason  Recurrence of a listed disease
Diagnosis  Clinical, Laboratory (advanced), Necropsy

Country or zone  a zone or compartment
Clinical signs  Yes
Number of reported outbreaks submitted= 11, Draft= 0

Outbreak details

Province  LUXEMBOURG
Number of outbreaks  submitted= 11, Draft= 0
Comune  Other
Unit Type  Wellin
Location  Latitude 50.0833 Longitude 5.1167
Start Date 22/05/2017
End Date 02/06/2017

Species  Birds
Measuring units  Animals
Susceptible Cases  11 4
Deaths  4
Killed and disposed of  7
Slaughtered  0

Province  LUXEMBOURG
Number of outbreaks  submitted= 11, Draft= 0
Comune  Other
Unit Type  Amberloup
Location  Latitude 50.026594 Longitude 5.522735
Start Date 13/06/2017
End Date 15/06/2017

Species  Birds
Measuring units  Animals
Susceptible Cases  25 10
Deaths  10
Killed and disposed of  15
Slaughtered  0

Province  HAINAUT
Number of outbreaks  submitted= 11, Draft= 0
Comune  Other
Unit Type  Soignies
Location  Latitude 50.573545 Longitude 4.061733
Start Date 14/06/2017
End Date 15/06/2017

Species  Birds
Measuring units  Animals
Susceptible Cases  33 18
Deaths  18
Killed and disposed of  15
Slaughtered  0

Province  WEST-VLAANDEREN
Number of outbreaks  submitted= 11, Draft= 0
Comune  Other
Unit Type  Houtave
Location  Latitude 51.250301 Longitude 3.129958
Start Date 15/06/2017
End Date 15/06/2017

Species  Birds
Measuring units  Animals
Susceptible Cases  43 17
Deaths  17
Killed and disposed of  26
Slaughtered  0

Province  HAINAUT
Number of outbreaks  submitted= 11, Draft= 0
Comune  Other
Unit Type  Baisieux
Location  Latitude 50.380586 Longitude 3.69829
Start Date 16/06/2017
End Date 19/06/2017

Species  Birds
Measuring units  Animals
Susceptible Cases  26 21
Deaths  21
Killed and disposed of  5
Slaughtered  0

Affected Population
<table>
<thead>
<tr>
<th>Province</th>
<th>Number of outbreaks</th>
<th>Commune</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>HAINAUT-Other report - submitted</td>
<td>-</td>
<td>Maffle - Ath</td>
<td>Other</td>
<td>50.626722</td>
<td>3.806665</td>
<td>20/06/2017</td>
<td>21/06/2017</td>
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<tr>
<td>NAMUR-other report - submitted</td>
<td>-</td>
<td>Dailly - Couvin</td>
<td>Other</td>
<td>50.057546</td>
<td>4.438042</td>
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<td>21/06/2017</td>
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<td>Trazegnies</td>
<td>Other</td>
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<td>4.300151</td>
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<td>27/06/2017</td>
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<td>HAINAUT- (this report - submitted)</td>
<td>-</td>
<td>Fleurus</td>
<td>Other</td>
<td>50.464817</td>
<td>4.517263</td>
<td>29/06/2017</td>
<td>12/07/2017</td>
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<tr>
<td>LIEGE- (this report - submitted)</td>
<td>-</td>
<td>Bassenge</td>
<td>Other</td>
<td>50.762428</td>
<td>3.62094</td>
<td>07/07/2017</td>
<td>12/07/2017</td>
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</table>

Outbreak summary: Total outbreaks = 11 (Submitted)

<table>
<thead>
<tr>
<th>Species</th>
<th>Measuring units</th>
<th>Susceptible</th>
<th>Cases</th>
<th>Deaths</th>
<th>Killed and disposed of</th>
<th>Slaughtered</th>
</tr>
</thead>
<tbody>
<tr>
<td>Birds</td>
<td>Animals</td>
<td>120</td>
<td>22</td>
<td>22</td>
<td>98</td>
<td>0</td>
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<tr>
<td>Birds</td>
<td>Animals</td>
<td>47</td>
<td>35</td>
<td>35</td>
<td>12</td>
<td>0</td>
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<tr>
<td>Birds</td>
<td>Animals</td>
<td>20</td>
<td>19</td>
<td>19</td>
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<td>0</td>
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<tr>
<td>Birds</td>
<td>Animals</td>
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<td>38</td>
<td>28</td>
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<tr>
<td>Birds</td>
<td>Animals</td>
<td>78</td>
<td>12</td>
<td>12</td>
<td>66</td>
<td>0</td>
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<tr>
<td>Birds</td>
<td>Animals</td>
<td>19</td>
<td>5</td>
<td>5</td>
<td>14</td>
<td>0</td>
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<tr>
<td>Birds</td>
<td>Animals</td>
<td>488</td>
<td>201</td>
<td>201</td>
<td>287</td>
<td>0</td>
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</tbody>
</table>
Epidemiological comments

Source of the outbreak(s) or origin of infection

- Contact with wild species
- Introduction of new live animals

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- Contact with wild species
- Introduction of new live animals

Measures applied

<table>
<thead>
<tr>
<th>Applied</th>
<th>To be applied</th>
</tr>
</thead>
<tbody>
<tr>
<td>• surveillance outside containment and/or protection zone</td>
<td></td>
</tr>
<tr>
<td>• surveillance within containment and/or protection zone</td>
<td></td>
</tr>
<tr>
<td>• traceability</td>
<td></td>
</tr>
<tr>
<td>• official destruction of animal products</td>
<td></td>
</tr>
<tr>
<td>• official disposal of carcasses, by-products and waste</td>
<td></td>
</tr>
<tr>
<td>• stamping out</td>
<td></td>
</tr>
<tr>
<td>• control of wildlife reservoirs</td>
<td></td>
</tr>
<tr>
<td>• zoning</td>
<td></td>
</tr>
<tr>
<td>• disinfection</td>
<td></td>
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</tbody>
</table>

Animals treated

<table>
<thead>
<tr>
<th>Vaccination Prohibited</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
</tr>
</tbody>
</table>

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>Veterinary and agrochemical Research Center (CERVA)</td>
<td>Birds</td>
<td>real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)</td>
<td>26/06/2017</td>
<td>Positive</td>
</tr>
<tr>
<td>National laboratory</td>
<td>Veterinary and agrochemical Research Center (CERVA)</td>
<td>Birds</td>
<td>nucleotide sequencing</td>
<td>29/06/2017</td>
<td>Positive</td>
</tr>
<tr>
<td>National laboratory</td>
<td>Veterinary and agrochemical Research Center (CERVA)</td>
<td>Birds</td>
<td>virus isolation</td>
<td>19/06/2017</td>
<td>Positive</td>
</tr>
<tr>
<td>National laboratory</td>
<td>Veterinary and agrochemical Research Center (CERVA)</td>
<td>Birds</td>
<td>real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)</td>
<td>03/07/2017</td>
<td>Positive</td>
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<tr>
<td>National laboratory</td>
<td>Veterinary and agrochemical Research Center (CERVA)</td>
<td>Birds</td>
<td>virus isolation</td>
<td>12/07/2017</td>
<td>Negative</td>
</tr>
<tr>
<td>National laboratory</td>
<td>Veterinary and agrochemical Research Center (CERVA)</td>
<td>Birds</td>
<td>nucleotide sequencing</td>
<td>07/07/2017</td>
<td>Positive</td>
</tr>
<tr>
<td>National laboratory</td>
<td>Veterinary and agrochemical Research Center (CERVA)</td>
<td>Birds</td>
<td>haemagglutination inhibition test (HIT)</td>
<td>27/06/2017</td>
<td>Positive</td>
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</tbody>
</table>

Future Reporting

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