Update on
Highly pathogenic Avian Influenza of
subtype H5N8 in poultry and other captive birds in
Germany

Standing Committee for Plants, Animals, Food and Feed
13/14 January 2015
HPAI H5N8 in Lower Saxony

Affected holdings in

- Barßel, district Cloppenburg
  (16.12.2014)
  (fattening turkeys)

- Neubörger, district Emsland
  (20.12.2014)
  (fattening ducks)
Density of poultry population in Lower Saxony

District of Cloppenburg
District of Emsland
HPAI H5N8, outbreak Barßel:
Outbreak holding

Holding with 19,200 fattening turkeys kept in four sheds

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
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</thead>
<tbody>
<tr>
<td>Clinical signs, gross increase of mortality</td>
<td>13./14.12.</td>
</tr>
<tr>
<td>Private lab: H5 pos.</td>
<td>15.12.</td>
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<tr>
<td>Holding under restriction</td>
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<tr>
<td>Suspicion (Land lab confirmed H5)</td>
<td></td>
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<tr>
<td>Confirmation (FLI: HPAI H5N8)</td>
<td>16.12.</td>
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<tr>
<td>All poultry culled (CO₂) and safely disposed of</td>
<td>16.12.</td>
</tr>
<tr>
<td>Cleansing and disinfection</td>
<td>18.12.</td>
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</tbody>
</table>
HPAI H5N8, outbreak Barßel:
Protection zone / Surveillance zone

**Protection zone** (district of Cloppenburg and parts of district of Ammerland):
- 84 holdings (one holding kept no poultry currently)
- 345,262 poultry

**Surveillance zone** (district of Cloppenburg, parts of districts of Ammerland and of Leer):
- 411 holdings
- 671,774 poultry

All results of clinical surveillance and PCR: → **AIV negative**
HPAI H5N8, outbreak Barßel: Further measures (1)

• **Culling of**
  - two other poultry holdings (100 laying hens; around 90,000 broiler chicken) within the 1,000 m radius around the affected holding, and
  - one contact holding (11,500 fattening turkeys) located in Garrel (same district)

• All results of clinical surveillance and virologically sampling of 8 holdings within the 1,000 m radius around the mentioned contact holding: **AIV negative**
HPAI H5N8, outbreak Barßel: Further measures (2)

- First **Stand still** for movements to/from poultry holdings in the district Cloppenburg (16.12., 0:00).

  Replaced by a Stand still for **72 hours** (between 16.12., 18:00, and 19.12., 18:00) in three districts (Cloppenburg, Ammerland and Leer).

  Transport of day-old chicks is exempted from the stand-still

- **Prohibition of restocking of poultry holdings** in an area adjacent to the surveillance zone for 30 days following the removal of the poultry from their holdings (314 holdings with around 5.5 million poultry)

  (applicable from 19.12.2014, lifted with effect from 08.01.2015).
HPAI H5N8, outbreak Barßel: Restricted zones

* Affected holding + 1 km radius
Protection zone (lifted)
Surveillance zone
72h-Stand still (three districts - lifted)
Prohibition of restocking of poultry holdings (parts of one district - lifted)
HPAI H5N8, outbreak Barßel: 
Duration of measures, 
(see) dates for lifting of zones

Commission Implementing Decision 2014/945/EC concerning certain protective measures in relation to highly pathogenic avian influenza of subtype H5N8 in Germany of 19 December 2014

Protection zone to be valid until 09.01.2015
Lifted on 12.01.2015

Surveillance zone to be valid until 18.01.2015
Date foreseen for lifting of zone: 22.01.2015
Epidemiological investigations have been immediately carried out in collaboration with experts from the FLI.

**Tracing on** – contacts of
- staff: one poultry holding (Garrel); culled and safely disposed of
- manager of the holding: visit of 7 poultry holdings
- private veterinarian: visit of 7 poultry holdings
- equipment: one poultry holding (Bösel)
- feed supplier vehicle: three poultry holdings
- company for disposal of animal by-products: further poultry holdings

All holdings clinically checked and virologically sampled: **negative AIV-results**

- No poultry or poultry products have been moved from the affected holding to other *Laender*, Member States or Third countries
- Source of infection: still unknown
HPAI H5N8, **outbreak Neubörger:**
**Outbreak holding**

Holding with 10.977 poultry (10.968 fattening ducks aged eleven days and 9 hens) kept inside

<table>
<thead>
<tr>
<th>Clinical signs, gross increase of mortality of ducks</th>
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<tbody>
<tr>
<td>Private lab: H5 pos. (2 ducks)</td>
<td>19.12.</td>
</tr>
<tr>
<td>Holding under restriction</td>
<td></td>
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<tr>
<td>Suspicion (Land lab confirmed)</td>
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</tr>
<tr>
<td>Confirmation (FLI: HPAI H5N8)</td>
<td>20.12.</td>
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<td>All poultry culled (CO₂) and safely disposed of</td>
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HPAI H5N8, outbreak Neubörger:
Restricted zones

† Affected holding
1 km radius
3 holdings culled, 39 laying hens

Protection zone
15 holdings
124,147 poultry
Lifting after 13.01.2015

Surveillance zone
225 holdings
3,979,765 poultry
Lifting after 22.01.2015

all results of clinical surveillance and PCR:
→ AIV negative
Epidemiological investigations have been immediately carried out (in collaboration with experts from the FLI regarding the duck slaughterhouse).

**Tracing back:**
last purchase of duck chickens on 08.12.; two contact duck fattening holdings in the same district: **AIV negative** (clinically checked, virologically sampled)

**Tracing on:**
•Contacts of private veterinarian: visit of two poultry holdings: **AIV negative** (clinically checked, virologically sampled)
•Feed supplier vehicle and vehicle of company for disposal of animal by-products don´t enter the holding
•No poultry or poultry products have been moved from the affected holding to other *Laender* (except consignment of 16.12.2014 to Saxony-Anhalt), Member States or Third countries
•Source of infection: still unknown
HPAI H5N8, outbreak Neubörger: Epidemiology (2), further measures

- 16.12.: one consignment (8,000 fattening ducks) has been sent for slaughter to a slaughterhouse in Grimme (Saxony-Anhalt)

- all carcasses have been safely disposed of (frequent patho-anatomical changes-Aerosacculitis); samples of carcasses showed AIV positive results.

- Transport vehicle: contact to three other duck holdings: AIV negative (clinically checked, virologically sampled)

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- Official Order of the competent authorities of Lower Saxony with regard to the housing of poultry
Housing of poultry, Lower Saxony (as of 22.12.2014)

Yellow: whole district
Orange/red: parts of the district
Blue: no housing
HPAI H5N8, case Neubörger: further measures

**BMEL:**

Emergency regulation on restrictions of movements of certain poultry (dated 22.12.2014, valid until 31.03.2015)

(Geflügelverbringungsbeschränkungsverordnung – GeflVerbBeschränkV)

Ducks and geese shall be checked for HPAIV subtype H5 and H7 within a period of 7 days before leaving the holding
HPAI H5N8, other captive birds: outbreak Zoo Rostock (1)

Zoo Rostock (Mecklenburg-Western Pomerania):
-495 captive birds of around 80 different species
-Some of them kept inside
<table>
<thead>
<tr>
<th>Event</th>
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<tbody>
<tr>
<td>Death of two white stork</td>
<td>03./04.01.</td>
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<tr>
<td>Third white stork dead</td>
<td>05.01.</td>
</tr>
<tr>
<td>Land lab (AIV positive)</td>
<td>07.01.</td>
</tr>
<tr>
<td>Confirmation (FLI: HPAI H5N8)</td>
<td>07.01. (late)</td>
</tr>
<tr>
<td>Holding under restriction, start of epidemiological investigations</td>
<td>08.01.</td>
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<tr>
<td>Separation of the captive birds of the zoo into 8 units</td>
<td></td>
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<tr>
<td><strong>Affected birds of the unit concerned</strong> (9 white stork, 25 ducks, 5 geese) culled and safely disposed of</td>
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<tr>
<td>Flamingos: ELISA +, PCR – (further sampling)</td>
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<tr>
<td>Cleansing and disinfection of this unit</td>
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<tr>
<td>Sampling of other birds of this unit, kept in the same building and contacted by staff: HPAI H5N8</td>
<td>10.01.</td>
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<tr>
<td>→ 18 birds culled and safely disposed of</td>
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<tr>
<td>→ cleansing and disinfection of this unit</td>
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No movements of birds or bird products to other Laender, Member States and third countries
According to Directive 2005/94/EC:
derogations of
culling of all birds of the zoo
-implementing protection and protection zone

following a risk assessment by the competent authority

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Thank you for your attention!!!