Résumé du rapport

Maladie | Influenza aviaire hautement pathogène | Type d’animaux | Terrestres
Agent causal | Highly pathogenic avian influenza virus | Sérotype(s) | H5N1
Signes cliniques | Oui | Motif | Apparition pour la première fois d’une maladie appartenant à la liste de l’OIE
Date de première confirmation de l’événement | 21/10/2005 | Date du début de l’événement | 19/10/2005
Date du rapport | 27/10/2006 | Diagnostic | Tests approfondis en laboratoire (i.e. virologie, microscopie électronique, biologie moléculaire, immunologie)
Nombre de foyers notifiés | Rapport envoyé= 9, Brouillons de rapport= 0 | Nom de l’expéditeur du rapport | Mr Mate Broiljo
Adresse | Ulica grada Vukovara 78 ZAGREB | Titre | Chief Veterinary Officer
Téléphone | (385-1) 610 6207 | Fax | (385-1) 610 9207
Courrier électronique | veterinarstvo@zg.tel.hr | Saisi par | Mme Margarita Alonso

Foyer(autre rapport - envoyé)

<table>
<thead>
<tr>
<th>county</th>
<th>municipality</th>
<th>village</th>
<th>Type d’unité épidémiologique</th>
<th>Localisation</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Début</th>
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</thead>
<tbody>
<tr>
<td>SPLITSKO-DALMATINSKA</td>
<td>Ciovo</td>
<td>Village</td>
<td>Slatina</td>
<td>43,49</td>
<td>16,32</td>
<td>15/02/2006</td>
<td>27/10/2006</td>
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</tbody>
</table>

Espèce(s) | Unités de mesure | Sensibles | Cas | Morts | Déruits | Abattus |
<table>
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</thead>
<tbody>
<tr>
<td>Animaux sauvages</td>
<td>animaux</td>
<td>...</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

Population atteinte

Avian influenza virus type H5N1 was isolated from organs of a dead swan found at Slatina on the island of Ciovo. Nucleotide sequencing at the cleavage site of the haemagglutinin (HA) of the H5N1 avian influenza virus isolate revealed the multiple basic amino acid sequence ‘PQGERRRKKRGLF’, which is consistent with highly pathogenic avian influenza.

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</thead>
<tbody>
<tr>
<td>OSIJECKO-BARANJSKA</td>
<td>Nasice</td>
<td>Village</td>
<td>Ribnjak 1905</td>
<td>45,572222</td>
<td>18,380833</td>
<td>03/01/2006</td>
<td>27/10/2006</td>
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</tr>
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</table>

Espèce(s) | Unités de mesure | Sensibles | Cas | Morts | Déruits | Abattus |
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<tbody>
<tr>
<td>Animaux sauvages</td>
<td>animaux</td>
<td>265</td>
<td>...</td>
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</tbody>
</table>

Population atteinte

During regular monitoring activities conducted at ‘Ribnjak 1905’ fish pond, four swans in a flock of around 265 swans were shot for diagnostic purposes; samples were taken and sent to the Poultry Centre of the Croatian Veterinary Institute in Zagreb. Laboratory testing revealed that two samples were positive for avian influenza virus. All samples were found to be negative on virus isolation in chicken embryos.

In the same location, 26 other birds (wild ducks) were shot for diagnostic purposes. Samples from these 26 birds were tested at the Poultry Centre of the Croatian Veterinary Institute in Zagreb and were all found to be negative for avian influenza.
VIROVITICKO-PODRAVSKA
Zdenci
Village
Grudnjak
45,646388
18,183888
19/11/2005
27/10/2006
Espèce(s)
Unités de mesure
Sensibles
Cas
Morts
Détruits
Abattus
Animaux sauvages
animaux
300
1
0
... 0
Population atteinte
During regular monitoring activities conducted at ‘Grudnjak’ fish pond, one swan in a flock of around 280 swans showed clinical signs of avian influenza. The sick swan and two apparently healthy swans from the flock were shot for diagnostic purposes; samples were taken and sent to the Poultry Centre of the Croatian Veterinary Institute in Zagreb. Laboratory testing revealed that the samples taken from the swan that had shown clinical signs were positive for avian influenza virus subtype H5N1 (POGERRRKKRGFL). The samples taken from the other two swans were found to be negative for avian influenza. The corpses of all three swans were destroyed.

In the same location, 13 other birds (coots, grebes and wild ducks) were shot for diagnostic purposes. Samples from these 13 birds were tested at the Poultry Centre of the Croatian Veterinary Institute in Zagreb and were all found to be negative for avian influenza.

GRAD ZAGREB
Novi Zagreb
Ne s’applique pas
Novi Zagreb
45,81
15,97
28/03/2006
27/10/2006
Espèce(s)
Unités de mesure
Sensibles
Cas
Morts
Détruits
Abattus
Animaux sauvages
animaux
... 1
1 0
0
Population atteinte
Samples were taken from a dead swan found at the construction site of the new University Hospital, near the river Sava, and sent to the Poultry Centre of the Croatian Veterinary Institute in Zagreb for analysis. Laboratory testing revealed that samples were positive for HPAI virus subtype H5N1.

OSIJECKO-BARANJSKA
Draz
Ne s’applique pas
Draz
45,83
18,79
03/03/2006
27/10/2006
Espèce(s)
Unités de mesure
Sensibles
Cas
Morts
Détruits
Abattus
Animaux sauvages
animaux
... 1
1 ... ...
Population atteinte
Cloacal and tracheal swabs were taken from a dead swan found at Draz (a tributary of the river Danube) and tested positive for HPAI virus subtype H5N1.

SPLITSKO-DALMATINSKA
Trogir
Ne s’applique pas
Pantana
43,51
16,24
03/03/2006
27/10/2006
Espèce(s)
Unités de mesure
Sensibles
Cas
Morts
Détruits
Abattus
Animaux sauvages
animaux
74
30
0 ... ...
Population atteinte
During the regular surveillance from 28 February 2006 to 3 March 2006 at the same location, 74 wild birds of different species (e.g. gulls, shorebirds) were caught and cloacal swabs were taken; 30 black-headed gulls (Larus ridibundus) tested positive on HPAI virus subtype H5N1.

SPLITSKO-DALMATINSKA
Trogir
Ne s’applique pas
Pantana
43,51
16,24
21/02/2006
27/10/2006
Espèce(s)
Unités de mesure
Sensibles
Cas
Morts
Détruits
Abattus
Animaux sauvages
... 1
1 ... ...

Page 2/5
Avian influenza virus type H5N1 was isolated from organs of a dead swan found at Pantana.

Foyer (autre rapport - envoyé)

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<tbody>
<tr>
<td>OSIJECKO-BARANJSKA</td>
<td>Nasice</td>
<td>Village</td>
<td>Ribnjak 1905</td>
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<td>45,49</td>
<td>18,08</td>
<td>21/10/2005</td>
<td>27/10/2006</td>
</tr>
</tbody>
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Espèce(s) | Unités de mesure | Sensibles | Cas | Morts | Détruits | Abattus |
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<td>15</td>
<td>...</td>
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Population atteinte

Fifteen swans were found dead between 22 and 24 October 2005 on the fish farm ‘Ribnjak 1905’, in Nasice municipality. On 22 October, two dead swans were sent to the Poultry Centre of the Croatian Veterinary Institute. On 24 October they were found to be positive for avian influenza virus subtype H5.

On 23 October, in the same location, cloacal swabs were taken from 7 additional dead swans and from 4 hunted wild birds (3 shorebirds and 1 cormorant). Laboratory testing of these samples is on-going.

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<th>Début</th>
<th>Fin</th>
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<tbody>
<tr>
<td>Viroviticko-Podravska</td>
<td>Zdenci</td>
<td>Village</td>
<td>Grudnjak</td>
<td></td>
<td>45,57</td>
<td>17,94</td>
<td>19/10/2005</td>
<td>27/10/2006</td>
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</tbody>
</table>

Espèce(s) | Unités de mesure | Sensibles | Cas | Morts | Détruits | Abattus |
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</thead>
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<td>1500</td>
<td>15</td>
<td>15</td>
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</tbody>
</table>

Population atteinte

About 1,500 swans arrived on 19 October 2005 at the location of the fresh water fish farm ‘Grudnjak’ in Zdenci municipality. Fifteen swans died but only 6 of them were available for laboratory testing.

The bird deaths were notified by a farm worker to the veterinary inspector of the county. Organ samples were taken and submitted on 19 October to the Poultry Centre of the Croatian Veterinary Institute. Laboratory procedures started as soon as the samples arrived at the laboratory. On the afternoon of 21 October, avian influenza virus subtype H5 was isolated from the samples.

Résumé du foyer : nombre total de foyers = 9 (Rapport envoyé)

Espèce(s) | Sensibles | Cas | Morts | Détruits | Abattus |
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</thead>
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<tr>
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<td>2383</td>
<td>50</td>
<td>34</td>
<td>4</td>
<td>0</td>
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</table>

Épidémiologie

Autres renseignements épidémiologiques / Commentaires

Since the last report, no new cases were confirmed positive for highly pathogenic avian influenza virus subtype H5N1 in wild birds. The national monitoring programme for avian influenza in wild birds is continuing throughout the territory of Croatia. Poultry have not been affected.

In order to prevent the appearance and spread of avian influenza, the following measures are in place:

- all poultry in the country must be housed, while ratites and feathered game must be kept in fenced areas in a way that prevents them from coming into contact with wild birds;

- stricter disinfection must be carried out on all vehicles used for the conveyance of live poultry, ratites, farmed and wild feathered game and other birds;

- hygienic conditions and biosecurity measures must be applied in all establishments in which poultry, ratites, farmed and wild feathered game and other birds are reared and kept;
- any change in the health status of birds and any contact with possibly infected animals must be reported to the competent veterinary authorities.

### Source d'infection

- Seasonal migration of wild birds - swans

### Mesures de lutte

<table>
<thead>
<tr>
<th>Aucune mesure de lutte</th>
<th>Animaux traités</th>
<th>Non</th>
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<tbody>
<tr>
<td>Vaccination interdite</td>
<td>Oui</td>
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</tbody>
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### Pays / Zone

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### Résultats des tests de diagnostics

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<tr>
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<th>Nom du laboratoire</th>
<th>Espèce(s)</th>
<th>Type de test</th>
<th>Date à laquelle les résultats ont été obtenus</th>
<th>Résultat</th>
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</thead>
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### Rapports futurs

Quels autres rapports seront envoyés en relation avec cet événement ?  L'événement est terminé. Aucun autre rapport ne sera envoyé.