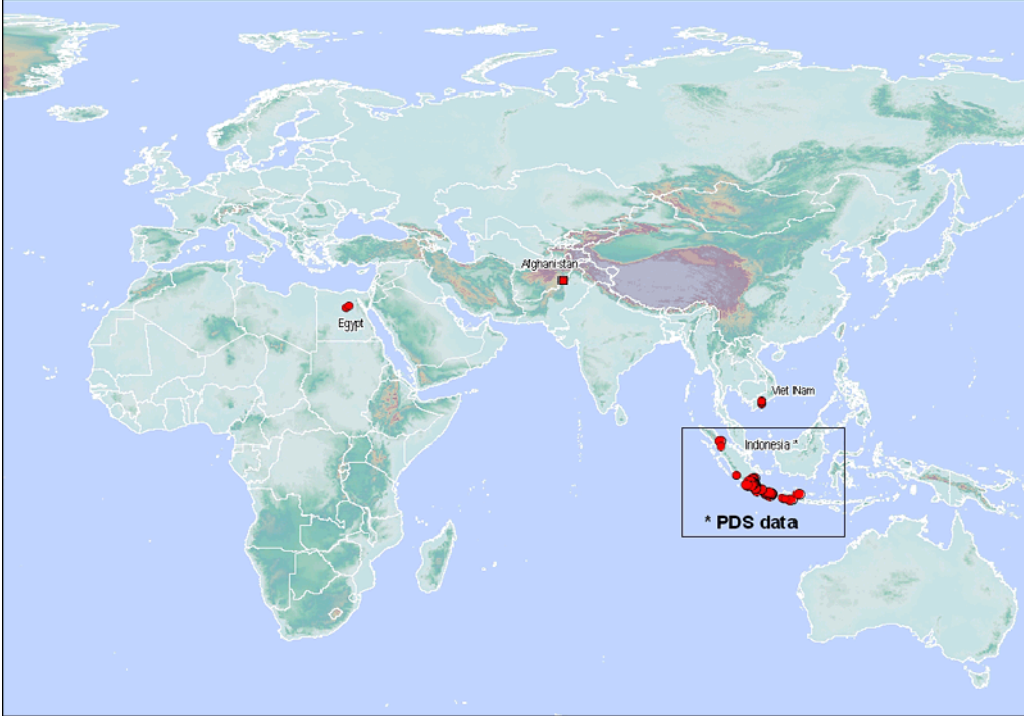


# ECTAD HPAI Situation Update

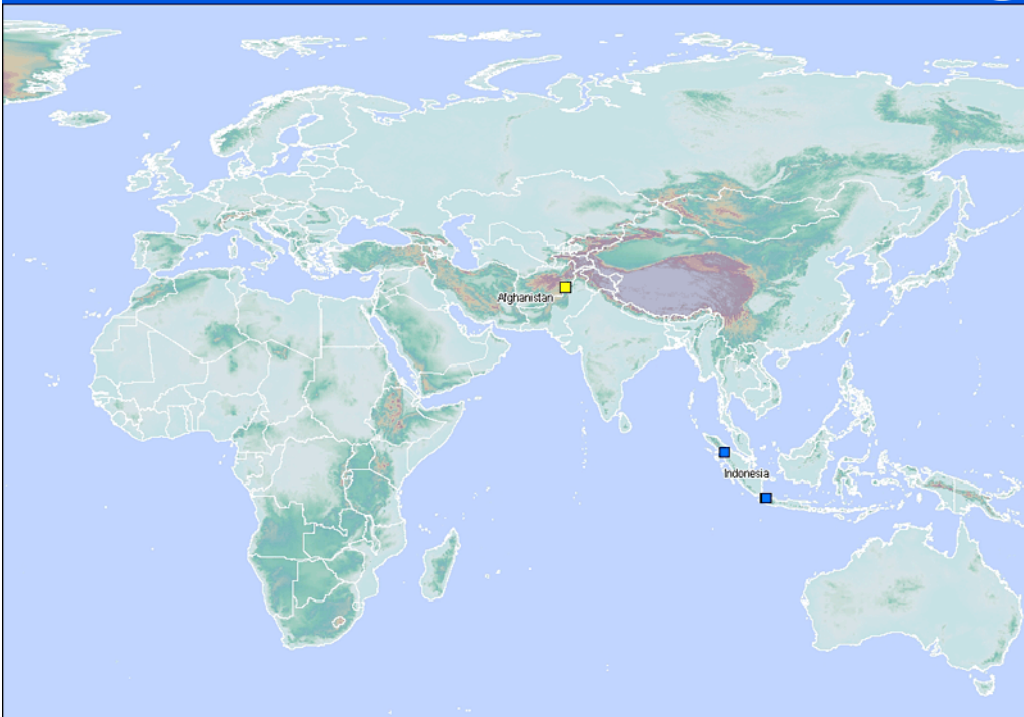
**HPAI events:** Outbreaks reported in poultry and cases in wild birds  
1 August - 3 September 2008



■ H5 Domestic  
■ H5 Wild  
● H5N1 Domestic  
● H5N1 Wild

**NOTE:** This map represents occurrences of H5 and H5N1 reported from 1 August 2008 to 3 September 2008. H5 cases are represented for countries where N-subtype characterization is not being performed for secondary cases or if laboratory results are still pending. Countries with H5 and H5N1 occurrences only in wild birds are not considered infected according to OIE status. The original data have been collected and aggregated at the most detailed administrative level and for the units available for each country.

**Disease event investigation:** Suspected and denied events in poultry and wild birds  
1 August - 3 September 2008



■ Domestic  
■ Domestic denied  
★ Wild  
★ Wild denied

**NOTE:** This map represents suspicions of disease events and their follow-up status, reported from 1 August 2008 to 3 September 2008. The original data have been collected and aggregated at the most detailed administrative level and for the units available or each country.

Information on the use of **dates**: The **maps** illustrate information over the past 1-3 months. The **text** items below represent information obtained within the past 10 days indicating the original date of reporting or publishing of the information. The outbreaks presented in the **tables** are referring to the observation date (or the earliest clinical date known) of the first occurrence of an outbreak.

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## AFRICAN REGION

### Benin

*Information from official sources*

OIE (25/08/08): On 29/07/2008, 2 live chickens purchased at the market in Lokossa as part of the routine surveillance tested positive for HPAI H5 at the Veterinary Laboratory of Parakou. There were no mortalities and the origin is unknown.

### Burundi

*Information from official sources*

FAO officer (01/09/08): Since the 21 August 2008 a final report has been released from the Padova's Reference Laboratory on 29 August 2008. Four over six samples were positives for Newcastle Disease using isolation and sequencing tests and all of them were negative for influenza A.

FAO field officer (21/08/08): After the suspicion of HPAI in Kayanza province reported on 15 July, samples were sent to Padova's reference laboratory for testing. The RT-PCR came back positive for Newcastle disease and negative for influenza A. The virus isolation and sequencing are still pending.

### Egypt

*Information from official sources*

FAO field officer (02/09/08): HPAI outbreaks occurred in ducks and unknown species in Al Minya Governorate in Egypt with 4 confirmed outbreaks reported between 26 July 2008 to 2 September 2008. Under active surveillance program, 84 samples were taken from 10 households in 4 different villages in this governorate.

### Sudan

*Information from official sources*

FAO field officer (03/09/08): The suspicion of HPAI outbreak in South Sudan reported by newspapers has been denied. There is no ban put in place, and there is no evidence of HPAI in South Sudan. It is believed that this news report

is an old report reflecting the last case on South Sudan, back in August 2006. (*Note: This case can not be visualized on the maps because the area South of Sudan is mentioned but not precise locality in this area*).

*Information from non-official sources:* (FAO compiles information from numerous sources in an effort to provide a complete situation overview. FAO does not guarantee the accuracy of non-official reports)

News (Intelink Avian Influenza Daily Digest; Source: All Africa; 02/09/08): The government of Kenya has banned the transportation of live birds and chicken by long distance trucks entering the country through Malaba and Busia as a caution to HPAI which it said had reached Southern Sudan. (*Note: This case can not be visualized on the maps because the area South of Sudan is mentioned but not a precise locality in this area*).

## ASIAN REGION

### Afghanistan

*Information from official sources*

FAO field officer (31/08/08): The HPAI H5N1 outbreak reported in Khwost province has been denied. Only H5 was positive, not N1. Samples will be sent to Padova, FAO/OIE reference laboratory in Italy for further testing.

*Information from non-official sources:* (FAO compiles information from numerous sources in an effort to provide a complete situation overview. FAO does not guarantee the accuracy of non-official reports)

News (Intelink Avian Influenza Daily Digest; Source: ARGUS; 27/08/08): International news sources report that H5N1 avian influenza has been found in poultry in Khwost province. The Ministry of Public Health in Afghanistan has confirmed the reports. The Director added that as part of a plan to ensure the safety of food products destined for public consumption, 3 specialized groups would be inspecting the area. A public awareness program is being developed.

## Cambodia

### *Information from official sources*

FAO field officer (29/08/08): From 21 to 28 August 2008, the animal health hotline at the National Veterinary Research Institute (NaVRI) received 11 calls from Phnom Penh, Prey Veng, Kampong Thom and Kampong Chhnang provinces asking information about avian influenza. During the week, NaVRI received 8 samples of different types of sparrows collected by the Wildlife Conservation Society from the Riverside and Wat Phnom resort in Phnom Penh. The laboratory tests are negative for HPAI virus through egg inoculation.

FAO field officer (25/08/08): From 15 to 21 August 2008, the animal health hotline at the National Veterinary Research Institute (NaVRI) received 7 calls from Phnom Penh, Prey Veng and Kampong Cham provinces. 2 calls reported about sick and dying poultry in Prey Veng province and the rest asked about the clinical sign of HPAI and prevention measures of AI. The team of district veterinarians went to the villages in Prey Veng province and found that AI was not the cause of the illness and death after the investigation. FAO trained this week 157 Village Animal Health Workers (VAHW) and 157 Village Chiefs on avian influenza in Kampong Leu, Prey Veng and Kamchay Mear districts of Prey Veng Province on the techniques of surveillance, and the recognition and systematic recording and reporting of suspected HPAI cases. The Wildlife Conservation Society has completed its wild bird surveillance activity for FAO collecting 1,908 samples from 955 wild birds of 7 species in wetlands sites and trade (food, pet and merit). The six-month project which started in February collected tracheal and cloacal samples from 17 sites in Banteay Meanchey, Battambang, Siem Reap, Kampong Thom, Svay Rieng, Kampot, Kandal and Phnom Penh. NaVRI conducted the laboratory tests through virus isolation. None of these samples tested were positive for H5N1 AI virus.

## Indonesia

### *Information from official sources*

FAO field officer (01/09/08): Outbreaks of HPAI H5N1 were reported in five villages: Air Bening, Bermani Ulu Raya sub district, Curup, Curup Utara sub district, Karang Jaya, Selupu Rejang sub district, Mojorejo, Sindang Kelingi sub district, Bengkulu province and Pokoh Kidul village in Wonogiri district, Central Java province. The chickens in the villages were tested positive in the rapid test. The traditional market for Ramadhan (month preparation) is the source of infection. For the first four villages,

Rejang Lebong is the port of entrance of poultry movement from South Sumatra, West Sumatra and North Sumatra.

FAO field officer (28/08/08): Two HPAI outbreaks have been reported in kampong chickens on 19 August in Sumber Dem village, Ambyakan sub village, and in Sumber Tempur village, Kalisat sub village ( $\pm 500$  m from Sumber Dem village), both in East Java. The chickens tested positive in the rapid test. The source of infection is believed to be a chicken trader.

*Information from non-official sources:* (FAO compiles information from numerous sources in an effort to provide a complete situation overview. FAO does not guarantee the accuracy of non-official reports)

**News (Intelink Avian Influenza Daily Digest; Source: Tempo; 02/09/08):** A 54-year-old woman from Bululawang Sub-district, Malang District, East Java, has tested positive for avian influenza. She is currently undergoing treatment at the isolation ward at the Dr Sjaiful Anwar Regional Hospital in Malang Municipality.

News (GPHIN ID: 4117341 Source: BBC Monitoring Asia Pacific; 01/09/2008): Five suspected cases of H5N1 infection were detected, and one of them was confirmed positively infected with the type-A avian influenza virus, in Malang district, East Java, in the January-August period in 2008, a local health official said. The infected patient was identified by the initials as SI (47), a resident of Bululawang, Malang Health Service Chief, Wahyu Agus Arifin said here on Saturday.

**News (Intelink Avian Influenza Daily Digest; Source: ARGUS; 29/08/08):** Multi-focal bird die-off in Sarang Giting village settlements (Dolak Masihul district, Serdang Bedagai regency, North Sumatera province) have killed an unspecified number of chickens since 25 August. These die-offs continue to occur, with an increasing number of chickens dying every day.

News (Intelink Avian Influenza Daily Digest; Source: ARGUS; 21/08/08): A 16-year-old male has been reported to be a suspected case of H5N1 infection in Kebongbang village, Wonosari district, Malang city, East Java province. The victim is currently being treated in RSUP Syaiful Anwar Hospital in Malang (an avian influenza designated hospital). He started to develop high fever and breathing difficulty on 18 August, and was brought to a local community health center on 20 August. Reportedly, he had a direct contact with 3 chickens that died suddenly. Avian influenza has not been confirmed as the cause for the poultry die-off. The hospital has formed a team of doctors to investigate this case. There was no information about laboratory testing. <http://www.korantempo.com/korantempo/koran/2008/02/21/Nusa/krn.20080221.123589.id.html>

## Viet Nam

*Information from non-official sources:* (FAO compiles information from numerous sources in an effort to provide a complete situation overview. FAO does not guarantee the accuracy of non-official reports)

News (Source: Vietnam news; 27/08/08): A strain of the H5N1 virus (named 7) that poses a high risk of infecting humans and caused an HPAI epidemic in China, has appeared in smuggled poultry in Viet Nam according to the Ministry of Agricultural and Rural Development's Animal Health Dep. <http://vietnamnews.vnagency.com.vn/showarticle.php?num=01HEA270808>.

## EUROPEAN REGION

### Denmark

*Information from official sources*

OIE (24/08/08): There have been no new outbreaks of avian influenza in Denmark since the outbreak of low pathogenic avian influenza detected on 28 April 2008. According to the requirements in article 2.7.12.3 of the OIE Terrestrial Animal Health Code, Denmark declares having regained its status as a notifiable avian influenza free country on 24 August 2008.

| Summary of confirmed H5N1 HPAI outbreaks in the African Region |  |  |                              |                            |
|--|--|--|------------------------------|----------------------------|
| Country  | First outbreak/case                        | Latest outbreak/case                           | Affected populations         | Human cases (cases/deaths) |
| Benin  | 07/11/2007:<br>Adjara                      | 29/07/2008:<br>Lokossa                         | dom. poultry                 | no                         |
| Burkina Faso   | 01/03/06:<br>Gampéla                       | 20/05/06:<br>Bobo-Dioulasso and<br>Ouagadougou | dom. poultry, wild<br>birds  | no                         |
| Cameroon   | 21/02/06:<br>Doualaré à Maroua             | 28/03/06:<br>Malape                            | dom. poultry, wild<br>birds  | no                         |
| Côte d'Ivoire  | 31/03/06:<br>Anoumabo                      | 09/11/06:<br>Abatta                            | dom. poultry, wild<br>birds  | no                         |
| Djibouti   | 06/04/06:<br>Boulaos                       | 06/04/06:<br>Boulaos                           | domestic poultry             | 1/0                        |
| Egypt  | 17/02/06:<br>5 districts in Upper<br>Egypt | 25/8/2008<br>Al Minya Governorate              | dom. poultry, wild<br>birds. | 50/22                      |
| Ghana  | 14/04/07:<br>Kakasunanka                   | 13/06/07:<br>Aflao                             | domestic poultry             | no                         |
| Niger  | 06/02/06:<br>Magaria                       | 01/06/06:<br>Boko Maigao                       | domestic poultry             | no                         |
| Nigeria  | 16/01/06:<br>Igabi, Kaduna State           | 22/07/2008:<br>Katsina and Kano<br>States      | dom. poultry, wild<br>birds  | 1/1                        |
| Sudan  | 25/03/06:<br>El Gazira                     | 04/08/06:<br>South Sudan (Juba)                | domestic poultry             | no                         |
| Togo   | 06/06/07:<br>Sigbehoue                     | 20/07/07:<br>Plateau                           | domestic poultry             | no                         |

| Summary of confirmed H5N1 HPAI outbreaks in the Asian Region |  |  |  |                            |
|--|--|--|--|----------------------------|
| Country  | First outbreak/case                                  | Latest outbreak/case                                   | Affected populations                             | Human cases (cases/deaths) |
| Afghanistan  | 02/03/06:<br>Jalalabad                               | 12/09/07:<br>Kandahar                                  | dom. poultry,<br>wild birds                      | no                         |
| Bangladesh   | 05/02/07:<br>Savar                                   | 19/05/08:<br>Tangail                                   | domestic poultry                                 | 1/0                        |
| Cambodia   | 12/01/04:<br>Pong Peay                               | 06/04/07:<br>Kampong Cham                              | dom. poultry,<br>wild birds                      | 7/7                        |
| China  | 20/01/04:<br>Longan, Guangxi                         | 13/06/08:<br>Guangdong Province                        | domestic poultry,<br>wild birds                  | 30/20                      |
| China<br>(Hong Kong SAR)                                     | 19/01/04:<br>Kowloon                                 | 11/06/08:<br>Fanling and Tuen Mun                      | wild birds,<br>domestic poultry                  | no                         |
| India  | 27/01/06:<br>Gujarat,<br>Maharashtra                 | 11/05/2008<br>Darjeeling, West Bengal                  | domestic poultry                                 | no                         |
| Indonesia  | 02/02/04:<br>Banten                                  | 01/09/08<br>Bengkulu province<br>Central Java province | dom. poultry,                                    | 135/110                    |
| Iran   | 02/02/06:<br>Espand                                  | 10/12/07:<br>Mazandaran                                | dom. poultry,<br>wild birds                      | no                         |
| Iraq (H5)  | 18/01/06:<br>Sarkapkan                               | 01/02/06:<br>Sahat Al-aradate                          | domestic poultry,<br>wild birds                  | 3/2                        |
| Israel   | 16/03/06:<br>En Hashelosh, Ha<br>Darom               | 01/01/08:<br>Haifa                                     | domestic poultry                                 | no                         |
| Japan  | 28/12/03:<br>Ibaraki                                 | 08/05/08:<br>Aomori                                    | domestic poultry,<br>wild birds                  | no                         |
| Jordan   | 23/03/06:<br>Ajloun governate                        | 23/03/06:<br>Ajloun governate                          | domestic poultry                                 | no                         |
| Kazakhstan   | 22/07/05:<br>Aktau                                   | 10/03/06:<br>Vinogradovka                              | dom. poultry,<br>wild birds                      | no                         |
| Korea Rep. of  | 10/12/03:<br>Asan                                    | 12/05/08:<br>Kyongsang-Namdo and<br>Kyongsang-Budko    | dom. poultry,<br>wild birds                      | no                         |
| Kuwait   | 09/11/05:<br>Private property,<br>close to the beach | 20/04/07:<br>Wafra Wafra                               | wild birds,<br>domestic poultry,<br>zoo birds    | no                         |
| Lao PDR  | 15/01/04:<br>Ban Nonsavang                           | 16/03/08:<br>Luang Namtha province                     | domestic poultry                                 | 2/2                        |
| Malaysia   | 19/08/04   | 02/06/07:<br>Selangor                                  | dom. poultry,<br>wild birds                      | no                         |
| Mongolia   | 10/08/05   | 05/06/06<br>Bulgan                                     | wild birds                                       | no                         |
| Myanmar  | 08/03/06:<br>Mandalay                                | 23/12/07:<br>Shan State                                | domestic poultry                                 | 1/0                        |
| Pakistan   | 23/02/06:<br>Abottabad                               | 21/06/2008:<br>NWFP                                    | domestic poultry,<br>wild birds                  | 3/1                        |
| Saudi Arabia   | 12/03/07:<br>Al-Gamma                                | 29/01/08:<br>Ar Riyad                                  | domestic poultry                                 | no                         |
| Thailand   | 23/01/04:<br>Song-Peenong                            | 18/01/08:<br>Nakhon Sawan                              | dom. poultry,<br>wild birds, tigers,<br>leopards | 25/17                      |
| Viet Nam   | 09/01/04:<br>Ca Mau                                  | 18/08/08:<br>Ben Tre                                   | domestic poultry,                                | 106/52                     |
| West Bank and<br>Gaza Strip                                  | 21/03/06:<br>Ghazzah                                 | 02/04/06:<br>Rafa                                      | domestic poultry                                 | no                         |

**NOTE:** FAO compiles information from numerous sources (FAO representatives or country missions, FAO reports, OIE, official government sources, EC, Reference laboratories and others) and produces these composite maps in a representative effort to provide full and accurate information. FAO welcomes information to clarify disease or infection occurrence in areas that have not been properly depicted (with supporting documentation to make the required changes based on FAO validation and verification procedures). Send messages to [GLEWS@fao.org](mailto:GLEWS@fao.org).

| Summary of confirmed H5N1 HPAI outbreaks in the European Region |                                     |   |  |                            |
|---|-------------------------------------|---|--|----------------------------|
| Country   | First outbreak/case                 | Latest outbreak/case                      | Affected populations                         | Human cases (cases/deaths) |
| Albania   | 16/02/06: Alikon                    | 09/03/06: Peze-Helmes, Tirane             | dom. poultry                                 | no                         |
| Austria   | 10/02/06: Bregenz                   | 22/03/06: Schaerding                      | wild birds, cats                             | no                         |
| Azerbaijan  | 02/02/06: Baku, Qaradag             | 18/03/06: Banovshalar, Agdam (H5)         | wild birds, dom. poultry                     | 8/5                        |
| Bosnia-Herzegovina  | 16/02/06: Jajce, Bosnia             | 16/02/06: Jajce, Bosnia                   | wild birds                                   | no                         |
| Bulgaria  | 31/01/06: Widin                     | 09/02/06: Lake Shabla                     | wild birds                                   | no                         |
| Croatia   | 21/10/05: Zdenci-Orahovica, Stanica | 24/03/06: Zagreb                          | wild birds                                   | no                         |
| Czech Republic  | 27/03/06: Hluboka nad Vltavou       | 11/07/07: Pardubicky region               | wild birds, dom. poultry                     | no                         |
| Denmark   | 12/03/06: Svino Strand              | 26/05/06: Keterminde, Funen               | wild birds, dom. poultry                     | no                         |
| France  | 17/02/06: Joyeux                    | 09/08/07: Diane-Capelle                   | wild birds, dom. poultry                     | no                         |
| Georgia   | 23/02/06: Adlia, Adjaria            | 23/02/06: Adlia, Adjaria                  | wild birds                                   | no                         |
| Germany   | 08/02/06: Wiek, Island of Ruegen    | 25/12/07: Brandenburg                     | wild birds, dom. poultry, cats, stone marten | no                         |
| Greece  | 30/01/06: Katerini                  | 27/03/06: Thessaloniki, Central Macedonia | wild birds                                   | no                         |
| Hungary   | 04/02/06: Csatalja                  | 23/01/07: Ordongos                        | wild birds, dom. poultry                     | no                         |
| Italy   | 01/02/06: Pizzo, Calabria           | 19/02/06: Bruzzano, Calabria              | wild birds                                   | no                         |
| Poland  | 02/03/06: Torun                     | 22/12/07: Mazowieckie                     | wild birds, dom. poultry                     | no                         |
| Romania   | 07/10/05: Ceamurlia                 | 07/12/07: Tulcea (H5 in a cat)            | wild birds, dom. poultry, cat                | no                         |
| Russian Federation  | 15/07/05: Shatrovo                  | 08/04/2008: Primorskiy Kray               | dom. poultry, wild birds                     | no                         |
| Serbia  | 28/02/06: Backi Monostor            | 16/03/06: Bajina Basta                    | wild birds, dom. poultry                     | no                         |
| Slovakia  | 17/02/06: Bratislava                | 18/02/06: Dunajska                        | wild birds                                   | no                         |
| Slovenia  | 09/02/06: Dolgose (H5)              | 25/03/06: Zrkovci                         | wild birds                                   | no                         |
| Spain   | 07/07/06: Álava Province            | 07/07/06: Álava Province                  | wild bird                                    | no                         |
| Sweden  | 28/02/06: Oskarshamn                | 26/04/06: Stockholm                       | wild birds, game birds, mink                 | no                         |
| Switzerland   | 26/02/06: Geneva                    | 22/02/08: Oberkirch (wild bird)           | wild birds                                   | no                         |
| Turkey  | 01/10/05: Kiziksa (revised)         | 09/03/08: Edirne Province                 | dom. poultry, wild birds                     | 12/4                       |
| Ukraine   | 02/12/05: Dzhankoykiy, Crimea       | 11/02/08: Crimea (wild birds)             | wild birds, dom. poultry, zoo birds          | no                         |
| United Kingdom  | 30/03/06: Anstruther, Scotland      | 29/02/08: Dorset, England (wild birds)    | dom. poultry, wild birds                     | no                         |

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