

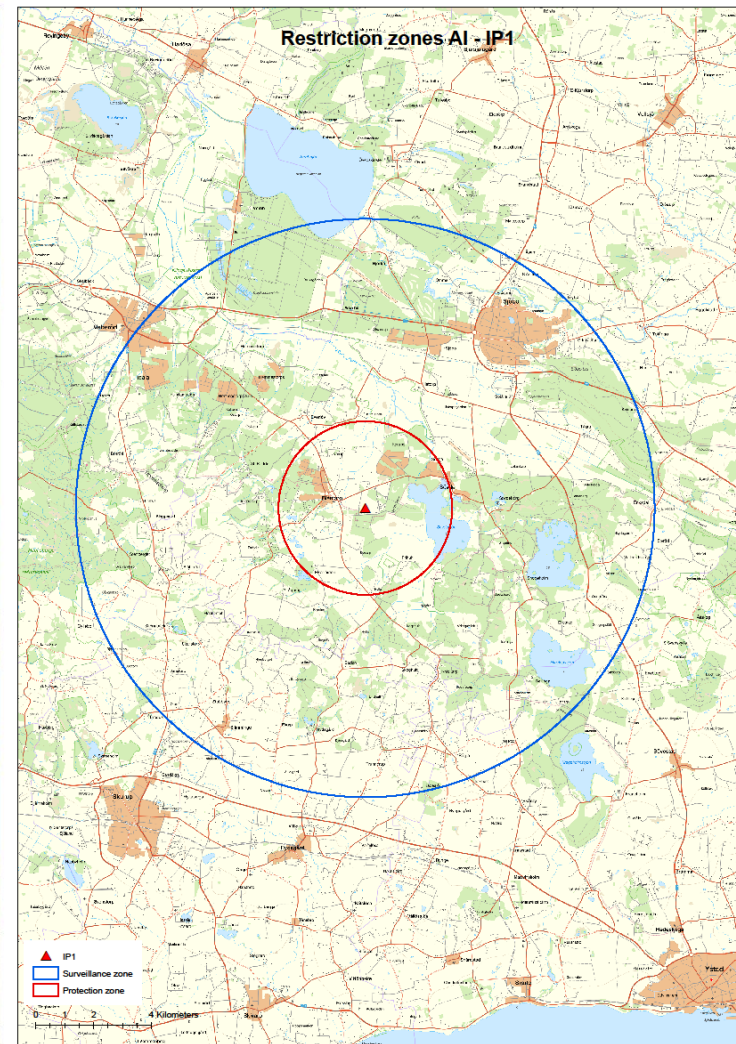
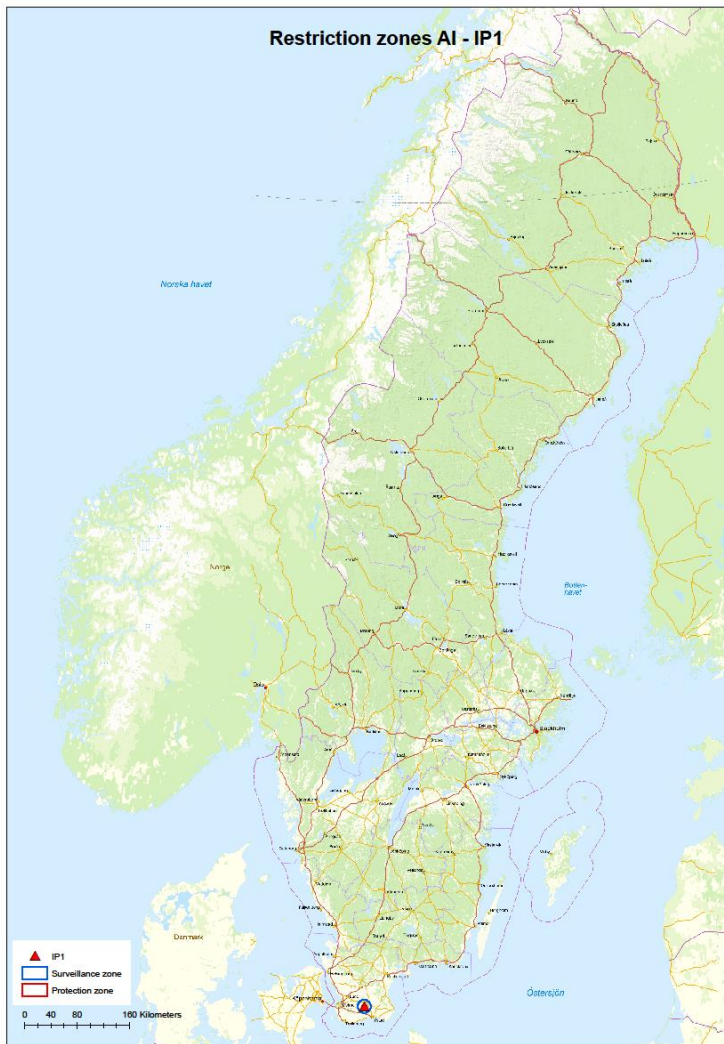
HPAI (H5N8) in Sweden 2021



Swedish Board of Agriculture

Background

On the 2nd of January, the Swedish Board of Agriculture (SBA) was notified about a suspicion of AI in a commercial poultry farm with about 85 000 parent poultry for the production of day old broiler chickens. The farm is situated in the municipality of Sjöbo in the south of Sweden.



Affected population

- The affected farm is divided into 12 buildings (house 1-12) that constitute seven separate production and epidemiological units.
- An increased mortality was first noted 1 January in house 7 with ~9000 poultry.
- 2 January a severe mortality developed and the farm was put under restrictions immediately after the SBA was notified. Samples were taken and sent for analysis to the National Veterinary Institute (SVA).



Affected population

- 6-9 January: Stamping out, preliminary disinfection and all other necessary measures in the Directive 2005/94/EEC were applied in the epidemiological unit (house 7-8). In total ~18000 birds.
- 10 January: Clinical signs of high mortality were seen in house 11 (epidemiological unit with house 12). In total ~21000 birds.
- 11 January: Stamping out of all birds in house 11-12 followed by preliminary disinfection that was finalized 14 January.
- Hatching eggs from the affected houses are destroyed.

Derogation in accordance with Article 14, 2005/94/EC

- After a risk assessment made by the National Veterinary Institute the SBA decided to apply Article 14 in the Council Directive 2005/94/EC and only put two production units (houses 7-8 and 11-12) under restrictions.
- Each of the seven production units in the farm apply strict biosecurity including separate staff, equipment, water inlet, silo etc.
- The birds in the remaining five epidemiological units are closely monitored and are put under official surveillance.





Measures and Information

- Protection zone (3 km) and surveillance zone (10 km) are established
- Three commercial farms within the protection zone, six commercial within the surveillance zone
- There has been no export of live poultry, hatching eggs and non-heated poultry products from the restriction area
- All commercial farms within the protection zone are visited by an official veterinarian
- All commercial farms and all hobby herds in the surveillance zone are contacted
- Information has been sent to:
 - European Commission
 - CVO in the Nordic countries
 - Third countries
- Reported in WAHIS (OIE) and ADNS.

Analysis

- Samples from ten birds were analyzed
 - Real-time PCR (matrix)
 - Real-time PCR (H5)
 - Virus sequencing (H5N8)
 - Virus isolation and whole-genome sequencing



Summary of outbreak

- 2 Jan. Suspicion, sampling
- 3 Jan. Confirmation of HPAI H5N8
- 3 Jan. Restriction zones and all restrictions and necessary measures according to Council Directive 2005/94/EC.
- 4 Jan. Reporting in WAHIS (OIE) and ADNS
- 6 Jan. Killing of all birds in house 7-8
- 9 Jan. Preliminary disinfection finalized
- 10 Jan. Increased mortality in house 11
- 11 Jan. Killing of all birds in house 11-12
- 14 Jan. Preliminary disinfection finalized

Probable source of infection: under investigation

Other information

6 November 2020:

To minimize the risk for transmission of HPAI from wild birds the Swedish Board of Agriculture raised the biosecurity level for holdings with poultry and other birds. The SBA urged for an increased awareness and to promptly notify suspicions of AI. Poultry and other captive birds also have to be kept indoors.



New suspicion

- A farm with ~2000 turkeys in the municipality of Skurup, in the south of Sweden.
- Increased mortality during the last days and 14 January 750 of the 850 turkeys in one of the two houses have died.
- No symptoms in the other house with 1200 turkeys.
- 14 January: All the 2050 turkeys was euthanized and the preliminary disinfection performed.
- Test results: H5N8. Pathogenicity still pending.

Thank you for your attention!

