



Ministry of Agriculture  
Veterinary and Food Safety Directorate

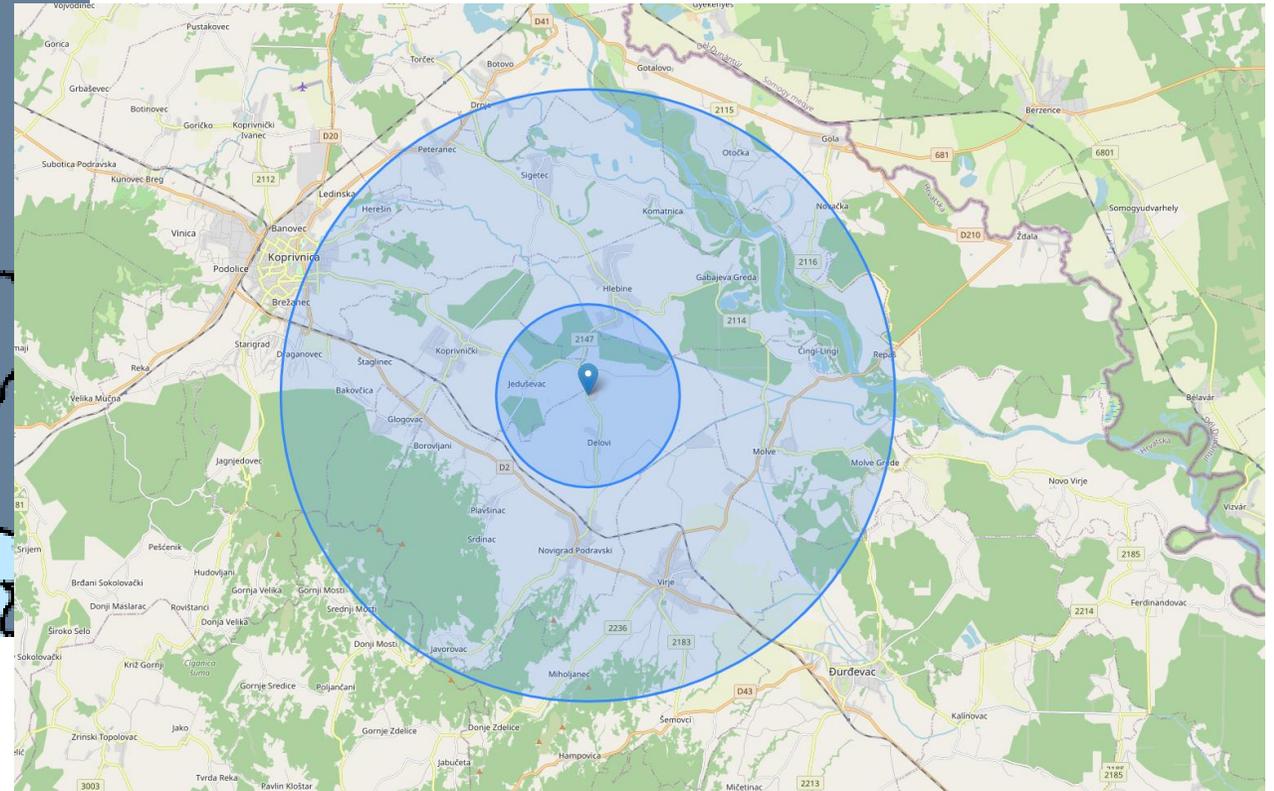
# HPAI H5N8 on commercial fattening turkey farm in Croatia

**Standing Committee ON Plants, Animals, food and Feed (SCoPAFF)**

December 2020

# HPAI H5N8- Croatia

- November, 17<sup>th</sup> 2020 increased mortality observed on the commercial fattening turkey farm with 67 068 animals, a suspicion on avian influenza was notified to CA
- In addition to increased mortality, the animals showed clinical signs of the disease
- Samples were taken and sent to Croatian Veterinary Institute – Poultry Centre in Zagreb
- November 18<sup>th</sup>, 2020 AI virus, subtype H5N8 was detected in the pooled samples
- November 21<sup>st</sup> 2020 high pathogenicity of the virus was confirmed by additional laboratory tests
- November 21<sup>st</sup> 2020 immediately after confirmation, outbreak was reported via ADNS and WAHIS system



# HPAI H5N8- Croatia- measures

- In order to prevent further spread and occurrence of the disease all the control measures according to the Directive 2005/94/EC have been implemented
- Establishment of restricted areas, including the protection zone (3 km radius) and surveillance zone (10 km radius) (on November, 19<sup>th</sup> 2020)
- Zoning details are published in Annex to Commission Implementing Decision (EU) 2020/1809 of 30 November
- Zoning and restrictive measures will remain in place for the protection zone until December 31<sup>st</sup> 2020 and for the surveillance zone until January 10<sup>th</sup>
- In protection zone, besides the affected farm, there are only small scale poultry holdings containing up to 50 animals reared for personal use
- In surveillance zone there are 7 commercial farms

# HPAI H5N8- Protection zone

- Listing of all the holdings, and determination of the ones holding poultry, game and/or captive birds
- In addition, collection of the data of other animals, especially pigs, held on these holdings
- Clinical examination and sampling (tracheal and cloacal swabs) of all the holdings that keep 20 or more poultry or captive birds
- Clinical examination and sampling on other poultry holdings, with increased morbidity, mortality or discrepancies in production results (drop in egg production of >5%), disregarding the number of animals kept on holding

# HPAI H5N8- Surveillance zone

- Listing of all commercial holdings
- Clinical examination of animals in all production units on all commercial holdings
- Sampling and clinical inspection on holdings where any clinical sign of disease is detected, or on holdings with increased daily mortality ( $> 3$  fold) or decrease in daily egg production ( $> 5\%$ ) or reduced daily food and/or water intake ( $> 5\%$ ), disregarding if the holding is commercial or not

# HPAI H5N8- Results

- In total 460 holdings have been listed
- Samples were taken from 185 holdings
- So far all laboratory results are negative (laboratory investigation for approx 30 holdings is still ongoing)

# HPAI H5N8

- Order on measures for preventing occurrence and control of spread of avian influenza in the Republic of Croatia (OG, No 127/20) from 17<sup>th</sup> November 2020...**APPLY ON THE WHOLE COUNTRY**
- Order on measures for preventing occurrence and control of spread of avian influenza in protection and surveillance areas of the Republic of Croatia (OG, No 130/20) from November 25<sup>th</sup> 2020, in accordance with the Directive 2005/94/EC...**APPLY IN PROTECTION AND SURVEILLANCE AREAS**



# Current situation

- All the poultry from the affected farm is culled and disposed at rendering plant
- Cleaning and disinfection of the facilities, including bedding removal is ongoing
- Restrictive measures are in place

<b>Number of susceptible animals</b>	<b>67 068</b>
<b>Number of dead animals</b>	<b>6 695</b>
<b>Number of culled animals</b>	<b>60 373</b>
<b>Number of destroyed and disposed animals</b>	<b>67 068</b>

# Current situation

- Until today, HPAI – subtype H5N8, has only been confirmed at the outbreak point: fattening turkey farm in Delovi
- Only one poultry holding in restricted areas was suspected for AI based on clinical findings (negative results)
- HPAI virus has not been detected in swab samples delivered for testing to NRL
- Preliminary phylogenetic analysis of sequenced genome of etiological AIV-subtype H5N8 showed it clusters with viruses causing recent outbreaks predominantly on commercial poultry farms in Northern and Western Europe. The virus originates from Middle East

Thank You for attention!