



State Service of Ukraine on  
Food Safety and Consumer  
Protection

# **Epidemiological situation and the measures regarding Highly pathogenic avian influenza in Ukraine**

**SCoPAFF, 23-24.09.2020**



## 2016

4 cases

*Domestic (backyards)*

*Wild*

## 2017

5 cases

*Wild birds*

*Domestic (backyards)*

*Zoo*

*Domestic commercial*



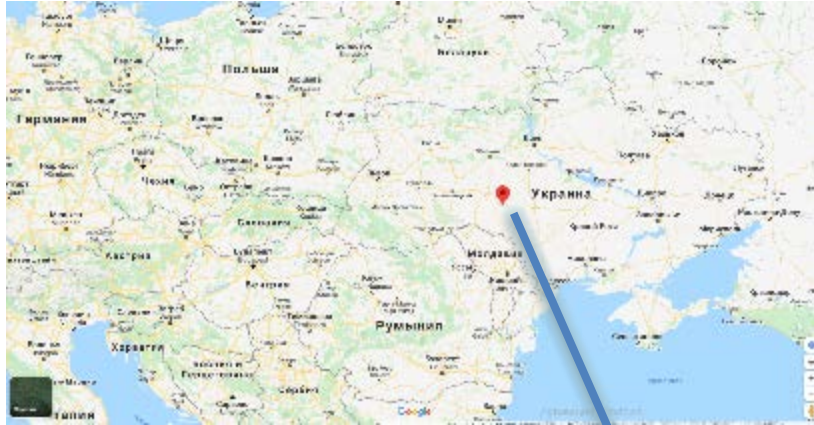
3 regions



# Outbreak HPAI in 2020

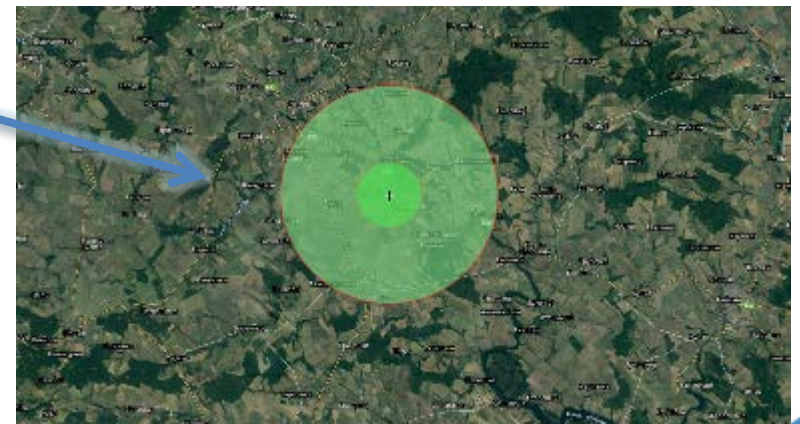
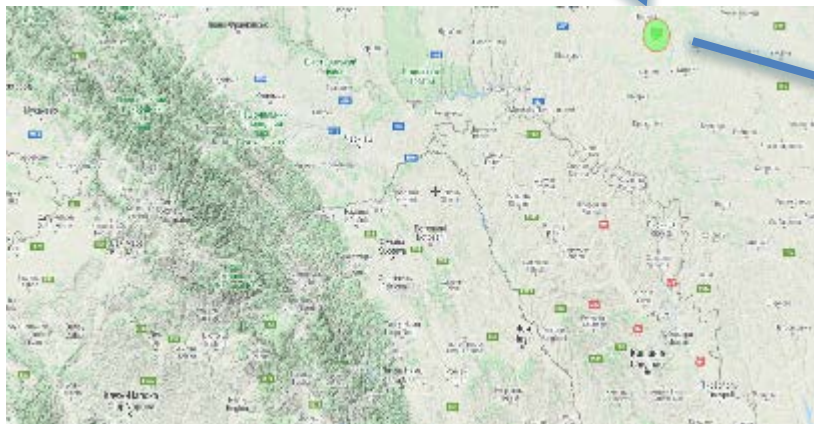


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## 1 outbreak (19-Jan-2020)

- ✓ Vinnytsia region
- ✓ Nemyriv district
- ✓ Buhakiv vill
- ✓ PE “Khutir”
- ✓ 48.900101, 28.955864



**Target birds domestic poultry (laying hens)**





Wild migratory  
birds

Low biosecurity  
level of PE  
“Khutir”



## **National legal Instruction on prevention and eradication of avian influenza**

*(<http://zakon3.rada.gov.ua/laws/show/z1277-11/print1453360923039451>)*

### **Protection zone (at least 3 km) and Surveillance zone (at least 10 km):**

- ✓ movement and certification restrictions;
- ✓ quarantine;
- ✓ zoning;
- ✓ stamping-out;
- ✓ disinfection;
- ✓ census and epizootological examination of all poultry farms and households;
- ✓ laboratory tests;
- ✓ information campaign.

# Control measures taken in Protection zone



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## Protection zone (at least 3 km):

- 10 localities
- No commercial farms

		Amount of sites	Amount of birds, which were used for sampling	Amount of samples taken and studied
1.	Commercial farms	0	0	0
2.	Household poultry	10 localities	600	For purposes of serological testing - 200  For purposes of genetic and molecular testing (PCR) - 600
3.	Wild and synanthropic birds	3 km zone	10	For purposes of genetic and molecular testing (PCR) - 10

- 60 samples of cloacal swabs
- 20 blood serum samples were taken from poultry in each locality

# Control measures taken in Surveillance zone



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## Surveillance zone (at least 10 km):

- 31 localities
- 1 commercial duck farm



**PE «Nemyrivske» for  
rearing of ducks, Approval  
number: r-UA 02-14-500**

		<b>Amount of sites</b>	<b>Amount of birds, which were used for sampling</b>	<b>Amount of samples taken and studied</b>
<b>1.</b>	Commercial farms	1	60	For purposes of serological testing - 20  For purposes of genetic and molecular testing - 60
<b>2.</b>	Household poultry	31 locality	1860	For purposes of serological testing - 620  For purposes of genetic and molecular testing - 1860
<b>3.</b>	Wild and synanthropic birds	10 km zone	10	For purposes of genetic and molecular testing - 10

# Control measures outside of control zones (Vinnytsia region)



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		<b>Amount of sites</b>	<b>Amount of birds, which were used for sampling</b>	<b>Amount of samples taken and studied</b>
<b>1.</b>	Commercial farms	39	5525	For purposes of serological testing - 3250  For purposes of genetic and molecular testing - 2170 samples, including 1200 samples taken from 20 branches of the LLC «Vinnytska Ptahofabryka»  For purposes of virology testing – 105 samples, including 95 samples from 19 branches of the LLC «Vinnytska Ptahofabryka»
<b>2.</b>	Household poultry	Different localities	205	For purposes of serological testing - 205
<b>3.</b>	Wild and synanthropic birds	Within the region	30	For purposes of genetic and molecular testing - 30





## Avian Influenza active surveillance programme

- HPAI and LPAI subject to mandatory notifications
- AI surveillance is based on active and passive surveillance using clinical, serological, virological, molecular genetic (PCR) methods.
- The state monitoring plan is developed taking into account the target species, risk assessment and identified high risk areas regarding the possible occurrence of highly pathogenic and low pathogenic influenza.

### *Target groups:*

- ✓ poultry of different types of ownership;
- ✓ poultry in backyards;
- ✓ synanthropic birds;
- ✓ wild migratory birds;
- ✓ zoo bird.

- ✓ a three-month period was applied following completion of the stamping out policy and cleansing and disinfection
- ✓ no new outbreaks is detected

- ✓ EC has been provided with all requested information
- ✓ self-declared as country with a status free from HPAI at WTO SPS Committee



Ukraine declares that the whole country is free from avian influenza as of **12 May 2020** in accordance with national legislation, as well as Commission Regulation (EC) No 798/2008, and Article 10.4.3 of the OIE Terrestrial Animal Health Code.

## Article 10.4.3.

### Country, zone or compartment free from avian influenza

A country, *zone* or *compartment* may be considered free from avian influenza when it has been shown that *infection* with avian influenza viruses in *poultry* has not been present in the country, *zone* or *compartment* for the past 12 months, based on *surveillance* in accordance with Articles 10.4.27. to 10.4.33.

If *infection* has occurred in *poultry* in a previously free country, *zone* or *compartment*, avian influenza free status can be regained:

1. In the case of *infections* with high pathogenicity avian influenza viruses, three months after a *stamping-out policy* (including *disinfection* of all affected *establishments*) is applied, providing that *surveillance* in accordance with Articles 10.4.27. to 10.4.33. has been carried out during that three-month period.
2. In the case of *infections* with low pathogenicity avian influenza viruses, *poultry* may be kept for *slaughter* for human consumption subject to conditions specified in Article 10.4.19. or a *stamping-out policy* may be applied; in either case, three months after the *disinfection* of all affected *establishments*, providing that *surveillance* in accordance with Articles 10.4.27. to 10.4.33. has been carried out during that three-month period.

# Surveillance in Ukraine

## I Semester 2020



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Specie	Samples in total	Virology	Serology
Wild	1151	1126	25
Synantropic	521	455	66
Backyards	45905	1190	44715
Commercial	36231	31426	4805
Zoo	80	26	54
<b>TOTAL</b>	<b>83888</b>	<b>34223</b>	<b>49665</b>



**Thank you for attention!**

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