

## Eradication: Final report for Avian Influenza 2018

For each approved annual or multi-annual programme Member States shall submit to the Commission by the 30 April each year an annual detailed technical and financial report covering the previous year. That report shall include the results achieved and a detailed account of eligible costs incurred (Art 14 of Regulation (EU) No 652/2014).

This form is for information only, no submission possible.

ID: 20190408-BAFBKQOH

**Country code:** IE

### Reporting period

**From:** 2018

**To:** 2019

**Year of implementation:** 2018

## 1. Technical implementation of the programme

### **1.1 Description and evaluation of the evolution of the epidemiological situation, the technical implementation of the activities foreseen under the programme and the cost-effectiveness of the programme.**

There was no confirmed outbreak of avian influenza in poultry or captive birds in 2018. There were 3 positive cases of HPAI H5N6 in wild birds confirmed in February and March of 2018 involving 2 white tailed sea eagles and 1 buzzard.

The National Reference Laboratory responsible for testing all avian influenza samples as part of the Annual avian influenza surveillance programme is the Central Veterinary Research Laboratory(CVRL), Backweston, Staccumny Lane, Celbridge, County Kildare. Ireland applies the representative based sampling method described in the Commission Implementing Decision 2010/367/EU for the serological sampling of poultry for the avian influenza surveillance programme. Serological screening was carried out using the haemagglutination inhibition (HI) test for poultry (including turkeys, ducks and geese). A separate HI-H5 and HI-H7 test was carried out on each sample.

The H5 strains used in the HI test were: Initial Teal/England/7394-2805/06 (H5N3), and for N3 elimination, Chicken/Scotland/59 (H5N1). When ducks and geese were tested, both, the Teal/England/7394-2805/06 (H5 N3) and , Duck/England/036254/14 (H5N8) were used in all cases.

The H7 strains used in the HI test were: Initial Turkey/England/647/77 (H7N7), and for N7 elimination, African Starling/983/79 (H7N1).

Wild bird surveillance for avian influenza is risk based passive surveillance which targets species of birds listed in Part 2 of Commission Implementing Decision 2010/367/EU which is tailored for species present in Ireland (see attached). All 148 wild birds that were sampled for avian influenza surveillance in 2018 were subjected to a MCP PCR test and 3 positive MCP PCR results were further subjected to PCR H5, PCR H7 and virus isolation tests.

### 1.2 Details on the level of achievement of the targets set in the approved programme and technical difficulties.

The implementation of the 2018 avian influenza surveillance programme was satisfactory. However, the number of holdings sampled in 2 categories were slightly less than intended- turkey breeders and fattening geese. Ireland has a very small number of flocks in both of these categories. The seasonality of production in addition to the small number of flocks resulted in difficulties achieving our targets for fattening geese and turkey breeders.

### 1.3 Epidemiological maps for infection and other relevant data on the disease/activities (information on serotypes involved,...) (Please attach files of data using the PDF attachment feature) Use the textbox below to provide clarifications for the maps you attach, if needed.

Highly pathogenic H5N6 was detected in 3 wild birds in Spring 2018 in the south west of Ireland. One case involved a common buzzard (*Buteo buteo*) and the other 2 affected birds were white tailed sea eagles (*Haliaeetus albicilla*). A map is attached showing the location and dates of the cases.

## 2. TECHNICAL IMPLEMENTATION OF THE PROGRAMME ON AVIAN INFLUENZA

VERY IMPORTANT: Please fill out the following tables with figures corresponding to measures performed during the implementing period (1/1 to 31/12).

In the column "Total number of samples taken", please put 0 if the same samples have already been counted for another laboratory analysis (example : for HI-H5 and HI-H7 test, only 1 sample should be counted).

**Table A - POULTRY HOLDINGS SAMPLED : SEROLOGICAL INVESTIGATION ACCORDING TO ANNEX I TO COMMISSION DECISION 2010/367/EU**

Poultry category	NUTS2 Code	Total number of holdings	Total number of holdings sampled	Number of samples per holding	Total number of samples taken	Methods of laboratory analysis	Total number of tests performed per method
Chicken Breeders	IE01 & IE02	67	66	20	1,320	HI test for H5	1,320
Chicken Breeders	IE01 & IE02	67	66	20	0	HI test for H7	1,320
Fattening Turkeys	IE01 & IE02	134	88	20	1,760	HI test for H5	1,760
Fattening Turkeys	IE01 & IE02	134	88	20	0	HI test for H7	1,760
Broilers	IE01 & IE02	61	46	20	920	HI test for H5	920
Broilers	IE01 & IE02	61	46	20	0	HI test for H7	920
Turkey Breeders	IE01 & IE02	3	2	20	40	HI test for H5	40
Turkey Breeders	IE01 & IE02	3	2	20	0	HI test for H7	40
Laying Hens	IE01 & IE02	43	43	20	860	HI test for H5	860
Laying Hens	IE01 & IE02	43	43	20	0	HI test for H7	860
Free Range Laying Hens	IE01 & IE02	180	95	20	1,900	HI test for H5	1,900
Free Range Laying Hens	IE01 & IE02	180	95	20	0	HI test for H7	1,900
Fattening ducks	IE01 & IE02	9	9	20	180	HI test for H5	180
Fattening ducks	IE01 & IE02	9	9	20	0	HI test for H7	180
Fattening geese	IE01 & IE02	5	2	20	40	HI test for H5	40
Fattening geese	IE01 & IE02	5	2	20	0	HI test for H7	40
<b>Total</b>		1,004	702	320	7,020	<b>Methods of laboratory analysis</b>	<b>Total number of tests</b>
						<b>Total - HI test for H5</b>	7,020
						<b>Total - HI test for H7</b>	7,020

**Table B - WILD BIRDS : INVESTIGATION ACCORDING TO THE SURVEILLANCE PROGRAMME FOR AVIAN INFLUENZA IN WILD BIRDS SET OUT IN ANNEX II TO DECISION 2010/367/EU**

NUTS 2 Code	Total number of wild birds sampled for passive surveillance	Number of PCR tests done for passive surveillance	Number of virus isolation tests for passive surveillance
-------------	---	---	--

IE01	41	41	0
IE02	107	107	3
<b>Total</b>	<b>148</b>	<b>148</b>	<b>3</b>

**Table C - POULTRY AND WILD BIRDS : NUMBER OF OUTBREAKS OF AVIAN INFLUENZA DETECTED DURING THE YEAR**

	<b>Domestic birds</b>	<b>Wild birds</b>
<b>Nr of HPAI outbreaks</b>	0	3
<b>Nr of LPAI outbreaks</b>	0	0

## COMMENT / ADDITIONAL CLARIFICATION

The number of holdings sampled are reported up to the targeted limit as described in the Avian Influenza Surveillance Multiannual Plan 2018-2019. Any additional or surplus samples are not included in this final report as they are not co-financed.