

## 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: 20190408-6K1QH9H6

Country code: UK

### Reporting period

From: 2018

To: 2018

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.

Poultry

No outbreaks of Highly Pathogenic Avian Influenza (HPAI) were reported in the UK during 2018. Across Europe, HPAI (H5N8) was reported in Bulgaria, and H5N6 in Sweden, the Netherlands and Germany.

On 13th September 2017 the UK declared OIE country freedom from Avian Influenza, 3 months after the cleansing and disinfection to OIE standards had been completed on all infected poultry premises. A total of twelve outbreaks of Highly Pathogenic Avian Influenza H5N8 were confirmed in the United Kingdom in 2017. The gamebird cluster (IP's 5, 7 and 9) were part of the same commercial enterprise and direct epidemiological links were identified between them. All other outbreaks were considered as separate incursions via wild birds (please see epidemiological reports in section 1.3). In summary:

- 03/06/2017 Infected premises (IP13) – a non-commercial premises in south Norfolk (east England) with 35 chickens and geese
- 06/05/2017 (IP12) – a non-commercial premises in Lancashire (north east England) with seven chickens and two ducks.
- 04/05/2017 (IP11) – a non-commercial premises in Lancashire (north west England) with 34 chickens
- 23/02/2017 (IP10) – a commercial sheep farm with a backyard flock of 32 hens in Northumberland (north east England)
- 14/02/2017 (IP9) – a broiler-breeder rearing premises in Suffolk (eastern England) with 28,000 birds
- 30/01/2017 (IP8) – a large commercial game bird breeding and rearing enterprise in north west England, close to IP5 and IP7, with 25,000 pheasants, 23,000 partridges 14,000 ducks and 600 other birds.

- 27/01/2017 (IP7) – a commercial, contract pheasant breeding premises, located close to IP5 in north west England, with 700 pheasants
- 26/01/2017 (IP6) – a commercial intensive brooding and fattening turkey premises in Lincolnshire (north east England), with 19,000 turkey stags
- 24/01/2017 (IP5) – a commercial game-rearing premises in Lancashire (north west England) with 10,000 pheasants
- 16/01/2017 (IP4) – a commercial turkey fattening premises in Fulstow (north east England) with a flock of 6,640 turkeys
- 06/01/2017 (IP3) – a residential premises in Settle (north east England) with a backyard flock of ten chickens and seven ducks
- 3/01/2017 [IP2] – a smallholding in Carmarthen (south Wales) with a backyard flock of six chickens and nineteen ducks.

Previous year: On 6th December 2016 Avian Influenza Prevention Zones (AIPZ) were introduced across England, Scotland and Wales to introduce enhanced biosecurity measures, in order to decrease the potential risk of direct/indirect contact between poultry and infected wild birds. An AIPZ was also created in Northern Ireland on 23rd December 2016.

In January 2016, H5N1 (European lineage) LPAI was disclosed on a broiler breeder premises in Fife (west Scotland). In December 2016, the first outbreak of Highly Pathogenic Avian Influenza (HPAI) H5N8 was confirmed in a seasonal commercial turkey flock in Lincolnshire (north east England); this proved to be the first in a number of cases and was detected close to the start of the seasonal circulation of this virus in Europe. All the outbreaks in 2016 were considered to be independent events resulting from a primary incursion from wild birds.

Between 2010 and 2015 there were just three outbreaks of notifiable avian influenza (NAI) in poultry in the UK:

- H7N7 HPAI on a laying hen premises in Lancashire (north west England) during July 2015
- H7N7 LPAI on a broiler breeder premises in Hampshire (southern England) during February 2015.
- H5N8 HPAI in breeder ducks on one premises in Yorkshire (north east England) during November 2014

#### Wild Birds

In 2018, HPAI H5N6-positive wild birds were found in 21 different locations across GB, with a total of 128 H5N6-positive birds. Multiple submissions arose from one site and several sites had multiple positive birds across several species. The geographical spread of positive birds was from around England but there was also a positive submission from Wales, and a buzzard and two greylag geese from Northern Ireland (NI). Thus the total for the UK was 131 positive birds from 23 locations. The H5N6- positive wild bird findings in NI were as follows:

23/03/2018 - one buzzard found in Co Antrim.

15/06/2018 - one wild greylag goose found in Co Armagh.

29/06/2018 - one wild greylag goose found in Co Armagh.

The last H5N6-positive wild birds identified in the UK were the greylag geese from Northern Ireland in June 2018. Seventeen different species were affected, mainly swans, geese, ducks and birds of prey. One wild bird case in 2018 was positive for LPAIV H5N8 (mute swan) while 12 other birds were influenza A-positive (M gene-positive) but H5-negative. All N-typing costs were met by UK budgets and are not included in the reimbursement claim.

In 2017 in GB there were findings of H5N8-positive wild birds in 18 different locations, and a total of 27 H5N8 positive birds (some submissions had multiple positive birds from one site). The H5N8 epizootic was a continuation of that from 2016, and the geographical spread of positive birds found were mainly from the south of England, but there were also positive submissions from Wales, and three swans and a Chinese goose from Northern Ireland (thus the total for the UK was 31). The last H5N8 positive bird identified was a mute swan from Norfolk in July 2017. Fifteen different species were affected, mainly swans, wigeon, geese and birds of prey. Two cases in 2017 were influenza A positive (M gene positive); but H5 negative. All N-typing costs were met by UK budgets and are not included in the reimbursement claim.

In December 2016, there were seven findings of HPAI H5N8 in wild birds across GB. Four cases were single findings; and in 3 cases, multiple dead birds were confirmed positive. All positive wild bird cases in 2016 were found in waterfowl apart from one which was a peregrine falcon (in Scotland). Four cases in 2016 were influenza A positive (M gene positive); H5 negative. The N typing costs were met by UK budgets and are not included in the reimbursement claim (table 3).

Eurasian lineage H5N1 HPNAI has not been detected from wild birds in the UK since January/February 2008 in southern England. During the course of this incident (2008) virus was detected from a total of ten Mute swans and one Canada goose within the 3km Wild Bird Control Area. No evidence of spread to the local poultry population was detected. During 2015 in Northern Ireland, there was a detection of influenza A viral RNA (by M gene RRT-PCR testing) in a faeces sample from a wild duck. H5 LPAI infection was identified following H5 RRT-PCR and HA cleavage site sequencing. N1 RRT-PCR was also attempted and was negative. The sample was considered relatively weak and attempted isolation was therefore not considered viable. The bird was found dead in good condition, with wounds suggestive of predation in October 2015, and the H5 LPAI infection was considered likely to be an incidental finding.

## Avian Influenza Poultry Survey

In 2018, of the 300 poultry and game bird submissions made under the poultry survey scheme, there were three submissions that were non-negative on principal testing:

- 18/05/2018 – a free-range breeding duck premises in Norfolk, East of England. Ducks showed H5 antibodies.
- 02/08/2018 – laying duck premises also in Norfolk, East of England. H5 antibodies were found in the ducks.
- 30/11/2018 – mixed ducks and quail premises in Wiltshire, South West England following the detection of H5 antibodies in the ducks (table egg layers).

All cases were followed up with a full statutory investigation and further H5 PCR tests were negative.

In 2017, of the 297 poultry and game submissions made under the poultry survey scheme, there were three submissions that were non-negative on principal testing:

- 26/06/17- a mixed poultry premises with laying ducks and chickens in Cheshire, north west England.

Domestic ducks showed H5 antibodies

- 21/07/17 – a duck premises in Lincolnshire, north east England. Ducks showed H5 antibodies
- 15/12/17 – a mixed poultry, game sheep and pig premises in Warwickshire, in the midlands of England. H5 antibodies were found in serological samples taken from the geese.

All cases were followed up with a full statutory investigation and further PCR tests were negative.

In 2016 there were a total of 5 non-negative submissions made under the survey. Ducks (table egg layers from a premises in the Scottish Borders) showed antibodies to H7. Geese from farms in the East of England, and ducks from a farm in Scotland showed antibodies to H5. In each case the findings were followed up with a full epidemiological investigation and further testing where poultry remained. All final results were negative.

In 2015 there were no detections of antibodies to AI viruses of subtypes H5 and H7 during the course of the annual AI survey in poultry flocks in the UK. Over the longer term (2010-2015) there have been detections from a small number of all the flocks sampled (range: 0-8 flocks). This comprises an average of approximately five flocks per annum, or ~1% of all flocks sampled each year. Each year all holdings/flocks with an H5 or H7 serological reactor (by HI test) were followed up, including a veterinary visit, further field investigations, sampling and testing. None of the further tests showed positive results for H5 or H7 AI virus indicating the absence of active infection on these premises. In summary:

- 2015 - there were no H5 or H7 antibody detections during the 2015 poultry survey.
- 2014 - there were no H5 or H7 antibody detections during the 2014 poultry survey.
- 2013 - antibodies to avian influenza virus subtype H5 were detected from a total of four duck premises, with no antibodies for H7 detected from any sampled flocks.
- 2012 - antibodies to avian influenza virus subtype H5 were detected from a total of 8 premises, with antibodies for H7 also detected from one of these premises.
- 2011 - antibodies to avian influenza viruses of subtypes H5 and H7 were detected from a total of five premises. (three duck premises were identified as showing a serological response against H5, and one duck and one goose flock were identified as having a serological response to H7)
- 2010 – antibodies to avian influenza virus subtype H5 were detected from three duck premises and one game duck site.

To maximise cost-effectiveness of the programme, certain measures are implemented. For wild bird screening, only birds meeting certain criteria are sampled (EFSA target species, or mass mortalities). Samples are screened for influenza A and only those that are positive receive further characterisation. For virus isolation, swabs are pooled (a fully validated test) to decrease the number of tests further. For poultry screening, we utilise a risk-based approach, the data for which is refreshed yearly according to UK poultry data. This ensures that our targeting is as accurate as possible.

The total amount claimed for 2018 is within a difference of 1.7% of the total requested within the 2018 plan (2018 plan total = 110,057.35 EUROS)

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

In 2018, 300 surveys were completed successfully and uneventfully; 96% of the total target figure of 312. The risk-based algorithm introduced in 2017 ensured that birds within higher risk premises were targeted for sampling. Once the highest risk tier was exhausted, sampling was continued until all identified eligible premises in the highest risk locations were accomplished. This approach meant that sampling carried greater significance, and over-sampling of lower-risk premises was avoided.

In 2017, the surveys were completed uneventfully and were further complemented by the surveillance (tracing/zone clearance) associated with the detected outbreaks of notifiable avian influenza in poultry. The programmed surveillance was completed successfully, having identified 297 premises (of the maximum of 312 in the design [95.2%]) at the highest risk and with no eligible premises remaining for sampling.

#### Notes

In table 2A (Poultry holdings sampled) due to the requirement to list the sampling for the H5 and H7

laboratory tests separately:

- the number of samples per holding is a minimum number - the actual number of samples collected depends on the number of epidemiological groups present on the holding at the time of sampling in line with the approved programme, thus each actual submission varies.
- The total number of tests (H5 and H7 HI) in figure 2A is a projected figure taken from the target number of holdings and samples taken from each holding. The actual number of tests completed for the year are captured in the financial data (3), row 3 and 4 respectively and for HI tests are slightly higher due to the factors such as further testing on non-negative holdings, and variations in epidemiological groups on the holdings.

In (3) financial data:

- Row 2 refers to the wild bird delivery costs. As in previous years the cost incurred for the delivery of wild birds (typically approximately £6000 per month) is significantly greater than the eligible unit cost and, as this is not based on a per unit pricing structure, the unit cost (€10) has been used for the purposes of this return.
- Row 3 and 4 (see above)
- Row 5 refers to Virus isolation tests performed in poultry. This is a nil return for 2018.
- Row 6 refers to virus isolation in wild birds. Thirty nine tests were performed from 131 wild birds in 2018.
- Row 7 refers to PCR tests performed on survey poultry samples for H5 and H7 conducted as a follow-up on non-negative initial surveillance results.
- Row 8 refers to PCR tests performed on wild birds (Influenza A screening, and H5 on non-negatives).

The exchange rate set by the European Central Bank on 29/03/2019 (the last working day of March) has been used in this assessment.

**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.**

The High Priority Surveillance Area Map for 2018 is attached.

Epidemiological assessments and reports for Avian Influenza across Europe and incursion risk into the UK published on gov.uk in 2018 can be found here:

[https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment\\_data/file/759784/ai-rationale-hras-nov2018.pdf](https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/759784/ai-rationale-hras-nov2018.pdf)

[https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment\\_data/file/724857/avian-flu-uk-europe-russia-180709.pdf](https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/724857/avian-flu-uk-europe-russia-180709.pdf)

[https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment\\_data/file/708535/avian-flu-rra-may2018.pdf](https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/708535/avian-flu-rra-may2018.pdf)

[https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment\\_data/file/698979/avian-flu-wild-birds-H5N6-180410.pdf](https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/698979/avian-flu-wild-birds-H5N6-180410.pdf)

[https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment\\_data/file/682151/avian-flu-wild-birds-H5N6-180213.pdf](https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/682151/avian-flu-wild-birds-H5N6-180213.pdf)

[https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment\\_data/file/678944/avian-flu-wild-birds-H5N6-180130.pdf](https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/678944/avian-flu-wild-birds-H5N6-180130.pdf)

[https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment\\_data/file/675425/rapid-risk-assessment-avian-flu-wild-birds-H5N6-180121.pdf](https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/675425/rapid-risk-assessment-avian-flu-wild-birds-H5N6-180121.pdf)

**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	Number of samples per holding	Total number of	Methods of laboratory analysis	Total number of tests performed per method
------------------	------------	--------------------------	-----------------	-------------------------------	-----------------	--------------------------------	--

			holdings sampled		samples taken		
Chicken Breeders	UKF3	18	2	10	20	HI test for H5	20
Chicken Breeders	UKH1	32	3	10	30	HI test for H5	30
Chicken Breeders	UKN0	138	3	10	30	HI test for H5	30
Laying Hens	UKD1	6	2	10	20	HI test for H5	20
Laying Hens	UKD3	11	1	10	10	HI test for H5	10
Laying Hens	UKD4	45	3	10	30	HI test for H5	30
Laying Hens	UKE1	37	3	10	30	HI test for H5	30
Laying Hens	UKE2	20	2	10	20	HI test for H5	20
Laying Hens	UKE4	17	1	10	10	HI test for H5	10
Laying Hens	UKF1	29	2	10	20	HI test for H5	20
Laying Hens	UKF2	35	2	10	20	HI test for H5	20
Laying Hens	UKG1	20	1	10	10	HI test for H5	10
Laying Hens	UKG2	30	2	10	20	HI test for H5	20
Laying Hens	UKG3	3	1	10	10	HI test for H5	10
Laying Hens	UKH1	120	5	10	50	HI test for H5	50
Laying Hens	UKH2	13	1	10	10	HI test for H5	10
Laying Hens	UKJ1	42	3	10	30	HI test for H5	30
Laying Hens	UKJ2	21	2	10	20	HI test for H5	20
Laying Hens	UKJ3	23	1	10	10	HI test for H5	10
Laying Hens	UKJ4	31	1	10	10	HI test for H5	10
Laying Hens	UKK1	26	1	10	10	HI test for H5	10
Laying Hens	UKK2	29	2	10	20	HI test for H5	20
Laying Hens	UKK3	22	3	10	30	HI test for H5	30
Laying Hens	UKK4	31	1	10	10	HI test for H5	10
Laying Hens	UKM5	18	1	10	10	HI test for H5	10
Laying Hens	UKN0	210	12	10	120	HI test for H5	120
Laying Hens	UKC2	5	1	10	10	HI test for H5	10
Duck breeders	UKC1	4	1	20	20	HI test for H5	20
Duck breeders	UKC2	2	2	20	40	HI test for H5	40
Duck breeders	UKD4	5	1	20	20	HI test for H5	20
Duck breeders	UKD6	3	1	20	20	HI test for H5	20
Duck breeders	UKE3	1	1	20	20	HI test for H5	20
Duck breeders	UKF3	13	4	20	80	HI test for H5	80
Duck breeders	UKG1	1	1	20	20	HI test for H5	20
Duck breeders	UKG2	1	1	20	20	HI test for H5	20
Duck breeders	UKH1	23	5	20	100	HI test for H5	100
Duck breeders	UKH3	4	2	20	40	HI test for H5	40
Duck breeders	UKJ1	4	1	20	20	HI test for H5	20
Duck breeders	UKJ2	9	2	20	40	HI test for H5	40
Duck breeders	UKJ3	1	1	20	20	HI test for H5	20
Duck breeders	UKJ4	9	3	20	60	HI test for H5	60
Duck breeders	UKK1	9	1	20	20	HI test for H5	20
Duck breeders	UKK2	8	1	20	20	HI test for H5	20
Duck breeders	UKK3	8	2	20	40	HI test for H5	40
Duck breeders	UKK4	4	3	20	60	HI test for H5	60
Duck breeders	UKL1	7	1	20	20	HI test for H5	20
Duck breeders	UKM2	3	1	20	20	HI test for H5	20
Duck breeders	UKM5	5	1	20	20	HI test for H5	20
Duck breeders	UKM6	3	1	20	20	HI test for H5	20
Fattening ducks	UKD4	3	1	20	20	HI test for H5	20

Fattening ducks	UKE1	14	11	20	220	HI test for H5	220
Fattening ducks	UKE2	4	1	20	20	HI test for H5	20
Fattening ducks	UKF1	1	1	20	20	HI test for H5	20
Fattening ducks	UKF3	15	8	20	160	HI test for H5	160
Fattening ducks	UKH1	34	19	20	380	HI test for H5	380
Fattening ducks	UKH3	3	1	20	20	HI test for H5	20
Fattening ducks	UKK3	7	2	20	40	HI test for H5	40
Fattening ducks	UKK4	4	1	20	20	HI test for H5	20
Fattening ducks	UKN0	16	4	40	160	HI test for H5	160
Farmed game birds (waterfowl)	UKD4	8	1	20	20	HI test for H5	20
Farmed game birds (waterfowl)	UKD6	3	1	20	20	HI test for H5	20
Farmed game birds (waterfowl)	UKF1	4	1	20	20	HI test for H5	20
Farmed game birds (waterfowl)	UKF3	3	1	20	20	HI test for H5	20
Farmed game birds (waterfowl)	UKG1	2	1	20	20	HI test for H5	20
Farmed game birds (waterfowl)	UKK2	3	1	20	20	HI test for H5	20
Farmed game birds (waterfowl)	UKK4	8	1	20	20	HI test for H5	20
Geese breeders	UKH1	5	1	20	20	HI test for H5	20
Geese breeders	UKJ1	1	1	20	20	HI test for H5	20
Geese breeders	UKK4	4	2	20	40	HI test for H5	40
Geese breeders	UKM5	2	2	20	40	HI test for H5	40
Fattening geese	UKC1	1	1	20	20	HI test for H5	20
Fattening geese	UKC2	1	1	20	20	HI test for H5	20
Fattening geese	UKD4	3	1	20	20	HI test for H5	20
Fattening geese	UKE2	2	2	20	40	HI test for H5	40
Fattening geese	UKF2	7	3	20	60	HI test for H5	60
Fattening geese	UKG1	2	2	20	40	HI test for H5	40
Fattening geese	UKG2	2	2	20	40	HI test for H5	40
Fattening geese	UKH1	11	7	20	140	HI test for H5	140
Fattening geese	UKH2	1	1	20	20	HI test for H5	20
Fattening geese	UKH3	5	2	20	40	HI test for H5	40
Fattening geese	UKJ1	4	1	20	20	HI test for H5	20
Fattening geese	UKJ2	3	2	20	40	HI test for H5	40
Fattening geese	UKJ3	4	2	20	40	HI test for H5	40
Fattening geese	UKK1	3	2	20	40	HI test for H5	40
Fattening geese	UKK2	6	5	20	100	HI test for H5	100
Fattening geese	UKK3	6	2	20	40	HI test for H5	40
Fattening geese	UKK4	6	3	20	60	HI test for H5	60
Fattening geese	UKL1	1	1	20	20	HI test for H5	20
Fattening geese	UKN0	5	3	40	120	HI test for H5	120
Farmed game birds (gallinaceous)	UKD3	1	1	10	10	HI test for H5	10
Farmed game birds (gallinaceous)	UKD4	7	2	10	20	HI test for H5	20
Farmed game birds (gallinaceous)	UKD6	1	1	10	10	HI test for H5	10
Farmed game birds (gallinaceous)	UKE1	6	2	10	20	HI test for H5	20
Farmed game birds (gallinaceous)	UKE2	11	4	10	40	HI test for H5	40
Farmed game birds (gallinaceous)	UKF2	8	1	10	10	HI test for H5	10

Farmed game birds (gallinaceous)	UKG1	6	1	10	10	HI test for H5	10
Farmed game birds (gallinaceous)	UKH1	28	10	10	100	HI test for H5	100
Farmed game birds (gallinaceous)	UKH3	2	2	10	20	HI test for H5	20
Farmed game birds (gallinaceous)	UKJ1	6	3	10	30	HI test for H5	30
Farmed game birds (gallinaceous)	UKJ3	6	2	10	20	HI test for H5	20
Farmed game birds (gallinaceous)	UKK1	10	1	10	10	HI test for H5	10
Farmed game birds (gallinaceous)	UKK4	2	1	10	10	HI test for H5	10
Farmed game birds (gallinaceous)	UKL2	4	1	10	10	HI test for H5	10
Farmed game birds (gallinaceous)	UKNO	18	1	10	10	HI test for H5	10
Turkey Breeders	UKF3	7	2	10	20	HI test for H5	20
Turkey Breeders	UKG2	3	2	10	20	HI test for H5	20
Turkey Breeders	UKH1	19	4	10	40	HI test for H5	40
Turkey Breeders	UKH3	8	1	10	10	HI test for H5	10
Fattening Turkeys	UKD4	9	2	10	20	HI test for H5	20
Fattening Turkeys	UKD6	9	2	10	20	HI test for H5	20
Fattening Turkeys	UKE1	10	4	10	40	HI test for H5	40
Fattening Turkeys	UKE2	2	1	10	10	HI test for H5	10
Fattening Turkeys	UKF1	11	3	10	30	HI test for H5	30
Fattening Turkeys	UKF2	7	1	10	10	HI test for H5	10
Fattening Turkeys	UKF3	27	2	10	20	HI test for H5	20
Fattening Turkeys	UKG1	6	2	10	20	HI test for H5	20
Fattening Turkeys	UKG2	6	2	10	20	HI test for H5	20
Fattening Turkeys	UKH1	80	18	10	180	HI test for H5	180
Fattening Turkeys	UKH2	8	2	10	20	HI test for H5	20
Fattening Turkeys	UKH3	18	4	10	40	HI test for H5	40
Fattening Turkeys	UKI6	3	1	10	10	HI test for H5	10
Fattening Turkeys	UKJ1	6	2	10	20	HI test for H5	20
Fattening Turkeys	UKJ2	6	1	10	10	HI test for H5	10
Fattening Turkeys	UKJ3	4	1	10	10	HI test for H5	10
Fattening Turkeys	UKK1	2	2	10	20	HI test for H5	20
Fattening Turkeys	UKK2	5	2	10	20	HI test for H5	20
Fattening Turkeys	UKK3	4	1	10	10	HI test for H5	10
Fattening Turkeys	UKNO	17	1	10	10	HI test for H5	10
Chicken Breeders	UKF3	18	2	10	0	HI test for H7	20
Chicken Breeders	UKH1	32	3	10	0	HI test for H7	30
Laying Hens	UKNO	138	3	10	0	HI test for H7	30
Laying Hens	UKD1	6	2	10	0	HI test for H7	20
Laying Hens	UKD3	11	1	10	0	HI test for H7	10
Laying Hens	UKD4	45	3	10	0	HI test for H7	30
Laying Hens	UKE1	37	3	10	0	HI test for H7	30
Laying Hens	UKE2	20	2	10	0	HI test for H7	20
Laying Hens	UKE4	17	1	10	0	HI test for H7	10
Laying Hens	UKF1	29	2	10	0	HI test for H7	20
Laying Hens	UKF2	35	2	10	0	HI test for H7	20
Laying Hens	UKG1	20	1	10	0	HI test for H7	10
Laying Hens	UKG2	30	2	10	0	HI test for H7	20
Laying Hens	UKG3	3	1	10	0	HI test for H7	10

Laying Hens	UKH1	120	5	10	0	HI test for H7	50
Laying Hens	UKH2	13	1	10	0	HI test for H7	10
Laying Hens	UKJ1	42	3	10	0	HI test for H7	30
Laying Hens	UKJ2	21	2	10	0	HI test for H7	20
Laying Hens	UKJ3	23	1	10	0	HI test for H7	10
Laying Hens	UKJ4	31	1	10	0	HI test for H7	10
Laying Hens	UKK1	26	1	10	0	HI test for H7	10
Laying Hens	UKK2	29	2	10	0	HI test for H7	20
Laying Hens	UKK3	22	3	10	0	HI test for H7	30
Laying Hens	UKK4	31	1	10	0	HI test for H7	10
Laying Hens	UKM5	18	1	10	0	HI test for H7	10
Laying Hens	UKNO	210	12	10	0	HI test for H7	120
Laying Hens	UKC2	5	1	10	0	HI test for H7	10
Duck breeders	UKC1	4	1	20	0	HI test for H7	20
Duck breeders	UKC2	2	2	20	0	HI test for H7	40
Duck breeders	UKD4	5	1	20	0	HI test for H7	20
Duck breeders	UKD6	3	1	20	0	HI test for H7	20
Duck breeders	UKE3	1	1	20	0	HI test for H7	20
Duck breeders	UKF3	13	4	20	0	HI test for H7	80
Duck breeders	UKG1	1	1	20	0	HI test for H7	20
Duck breeders	UKG2	1	1	20	0	HI test for H7	20
Duck breeders	UKH1	23	5	20	0	HI test for H7	100
Duck breeders	UKH3	4	2	20	0	HI test for H7	40
Duck breeders	UKJ1	4	1	20	0	HI test for H7	20
Duck breeders	UKJ2	9	2	20	0	HI test for H7	40
Duck breeders	UKJ3	1	1	20	0	HI test for H7	20
Duck breeders	UKJ4	9	3	20	0	HI test for H7	60
Duck breeders	UKK1	9	1	20	0	HI test for H7	20
Duck breeders	UKK2	8	1	20	0	HI test for H7	20
Duck breeders	UKK3	8	2	20	0	HI test for H7	40
Duck breeders	UKK4	4	3	20	0	HI test for H7	60
Duck breeders	UKL1	7	1	20	0	HI test for H7	20
Duck breeders	UKM2	3	1	20	0	HI test for H7	20
Duck breeders	UKM5	5	1	20	0	HI test for H7	20
Duck breeders	UKM6	3	1	20	0	HI test for H7	20
Fattening ducks	UKD4	3	1	20	0	HI test for H7	20
Fattening ducks	UKE1	14	11	20	0	HI test for H7	220
Fattening ducks	UKE2	4	1	20	0	HI test for H7	20
Fattening ducks	UKF1	1	1	20	0	HI test for H7	20
Fattening ducks	UKF3	15	8	20	0	HI test for H7	160
Fattening ducks	UKH1	34	19	20	0	HI test for H7	380
Fattening ducks	UKH3	3	1	20	0	HI test for H7	20
Fattening ducks	UKK3	7	2	20	0	HI test for H7	40
Fattening ducks	UKK4	4	1	20	0	HI test for H7	20
Fattening ducks	UKNO	16	4	40	0	HI test for H7	160
Farmed game birds (waterfowl)	UKD4	8	1	20	0	HI test for H7	20
Farmed game birds (waterfowl)	UKD6	3	1	20	0	HI test for H7	20
Farmed game birds (waterfowl)	UKF1	4	1	20	0	HI test for H7	20
Farmed game birds (waterfowl)	UKF3	3	1	20	0	HI test for H7	20
Farmed game birds	UKG1	2	1	20	0	HI test for H7	20



(waterfowl)							
Farmed game birds (waterfowl)	UKK2	3	1	20	0	HI test for H7	20
Farmed game birds (waterfowl)	UKK4	8	1	20	0	HI test for H7	20
Geese breeders	UKH1	5	1	20	0	HI test for H7	20
Geese breeders	UKJ1	1	1	20	0	HI test for H7	20
Geese breeders	UKK4	4	2	20	0	HI test for H7	40
Geese breeders	UKM5	2	2	20	0	HI test for H7	40
Fattening geese	UKC1	1	1	20	0	HI test for H7	20
Fattening geese	UKC2	1	1	20	0	HI test for H7	20
Fattening geese	UKD4	3	1	20	0	HI test for H7	20
Fattening geese	UKE2	2	2	20	0	HI test for H7	40
Fattening geese	UKF2	7	3	20	0	HI test for H7	60
Fattening geese	UKG1	2	2	20	0	HI test for H7	40
Fattening geese	UKG2	2	2	20	0	HI test for H7	40
Fattening geese	UKH1	11	7	20	0	HI test for H7	140
Fattening geese	UKH2	1	1	20	0	HI test for H7	20
Fattening geese	UKH3	5	2	20	0	HI test for H7	40
Fattening geese	UKJ1	4	1	20	0	HI test for H7	20
Fattening geese	UKJ2	3	2	20	0	HI test for H7	40
Fattening geese	UKJ3	4	2	20	0	HI test for H7	40
Fattening geese	UKK1	3	2	20	0	HI test for H7	40
Fattening geese	UKK2	6	5	20	0	HI test for H7	100
Fattening geese	UKK3	6	2	20	0	HI test for H7	40
Fattening geese	UKK4	6	3	20	0	HI test for H7	60
Fattening geese	UKL1	1	1	20	0	HI test for H7	20
Fattening geese	UKN0	5	3	40	0	HI test for H7	120
Farmed game birds (gallinaceous)	UKD3	1	1	10	0	HI test for H7	10
Farmed game birds (gallinaceous)	UKD4	7	2	10	0	HI test for H7	20
Farmed game birds (gallinaceous)	UKD6	1	1	10	0	HI test for H7	10
Farmed game birds (gallinaceous)	UKE1	6	2	10	0	HI test for H7	20
Farmed game birds (gallinaceous)	UKE2	11	4	10	0	HI test for H7	40
Farmed game birds (gallinaceous)	UKF2	8	1	10	0	HI test for H7	10
Farmed game birds (gallinaceous)	UKG1	6	1	10	0	HI test for H7	10
Farmed game birds (gallinaceous)	UKH1	28	10	10	0	HI test for H7	100
Farmed game birds (gallinaceous)	UKH3	2	2	10	0	HI test for H7	20
Farmed game birds (gallinaceous)	UKJ1	6	3	10	0	HI test for H7	30
Farmed game birds (gallinaceous)	UKJ3	6	2	10	0	HI test for H7	20
Farmed game birds (gallinaceous)	UKK1	10	1	10	0	HI test for H7	10
Farmed game birds (gallinaceous)	UKK4	2	1	10	0	HI test for H7	10
Farmed game birds (gallinaceous)	UKL2	4	1	10	0	HI test for H7	10
Farmed game birds (gallinaceous)	UKN0	18	1	10	0	HI test for H7	10
Turkey Breeders	UKF3	7	2	10	0	HI test for H7	20
Turkey Breeders	UKG2	3	2	10	0	HI test for H7	20

Turkey Breeders	UKH1	19	4	10	0	HI test for H7	40
Turkey Breeders	UKH3	8	1	10	0	HI test for H7	10
Fattening Turkeys	UKD4	9	2	10	0	HI test for H7	20
Fattening Turkeys	UKD6	9	2	10	0	HI test for H7	20
Fattening Turkeys	UKE1	10	4	10	0	HI test for H7	40
Fattening Turkeys	UKE2	2	1	10	0	HI test for H7	10
Fattening Turkeys	UKF1	11	3	10	0	HI test for H7	30
Fattening Turkeys	UKF2	7	1	10	0	HI test for H7	10
Fattening Turkeys	UKF3	27	2	10	0	HI test for H7	20
Fattening Turkeys	UKG1	6	2	10	0	HI test for H7	20
Fattening Turkeys	UKG2	6	2	10	0	HI test for H7	20
Fattening Turkeys	UKH1	80	18	10	0	HI test for H7	180
Fattening Turkeys	UKH2	8	2	10	0	HI test for H7	20
Fattening Turkeys	UKH3	18	4	10	0	HI test for H7	40
Fattening Turkeys	UKI6	3	1	10	0	HI test for H7	10
Fattening Turkeys	UKJ1	6	2	10	0	HI test for H7	20
Fattening Turkeys	UKJ2	6	1	10	0	HI test for H7	10
Fattening Turkeys	UKJ3	4	1	10	0	HI test for H7	10
Fattening Turkeys	UKK1	2	2	10	0	HI test for H7	20
Fattening Turkeys	UKK2	5	2	10	0	HI test for H7	20
Fattening Turkeys	UKK3	4	1	10	0	HI test for H7	10
Fattening Turkeys	UKN0	17	1	10	0	HI test for H7	10
<b>Total</b>		3,538	600	3,880	4,560	<b>Methods of laboratory analysis</b>	<b>Total number of tests</b>
						<b>Total - HI test for H5</b>	4,560
						<b>Total - HI test for H7</b>	4,560

**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
GB	1,262	3,030	39
NI	20	39	0
<b>Total</b>	1,282	3,069	39

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

	Domestic birds	Wild birds
<b>Nr of HPAI outbreaks</b>	0	131
<b>Nr of LPAI outbreaks</b>	0	13

## COMMENT / ADDITIONAL CLARIFICATION

No further clarification.