

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).

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Country code: BG

Reporting period

From: 2017

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.

The objectives of the surveillance programmes for avian influenza in poultry are to detect circulation of avian influenza virus with a view to controlling the disease in accordance with Directive 2005/94/EC by the annual detection through active surveillance for:

- low pathogenic avian influenza (LPAI) of subtypes H5 and H7 in gallinaceous birds (chickens, turkeys, guinea fowl, pheasants, partridges and quails) and ratites.
- LPAI of subtypes H5 and H7 and highly pathogenic avian influenza (HPAI) in domestic waterfowl (ducks, geese and mallards for re-stocking supplies of game).

General requirements and criteria of the programme include:

- Sampling and serological testing in poultry holdings was carried out in order to detect the presence of antibodies to avian influenza, as defined in Directive 2005/94/EC.
- Animal disease surveillance based on the risk and on the representative sampling scheme.

Testing of samples is carried out at the National Reference Laboratory for Avian Influenza and Newcastle disease under the National Diagnostic and Research Veterinary Institute /NDRVI/, Sofia , Bulgaria.

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

The surveillance design in the programme is based on two approaches- risk based sampling and the representative sampling.

Risk-based surveillance:

The data on AI surveillance data in the country, AI positive cases recorded in the country and neighbor countries in past years and location of the poultry holding in areas with a high density of migratory wild birds or areas where the migratory wild water birds may gather are the main criteria and risk factors used to draft the surveillance design in the country based on the the risk.

13 administrative regions located in the northern part of the country, especially all regions bordering Romania are being identified as such of higher risk with regards to AI (Vidin, Montana, Vratsa, Pleven, Veliko Turnovo, Ruse, Silistra, Dobrich, Varna, Burgas, Stara Zagora, Plovdiv and Haskovo).

Surveillance based on Representative Sampling:

The rest regions of the country have also been included in the programme as the surveillance design in these regions is based on the representative sampling.

Sampling procedure used in the poultry holdings located in the regions with higher risk with regards to AI and regions with a Representative Sampling:

In high risk regions all commercial poultry holdings with laying hens, breeders, turkey, farmed game and duck and geese holdings have been included and tested for the AI serological purposes.

452 commercial poultry holdings in total were included in the programme. The poultry holdings were subject of enhanced laboratory surveillance due to the emergency epidemiological situation with regard to HPAI in the country, resulting in lower % of implementation of the routine laboratory surveillance as it is planned under the present programme.

Routine laboratory surveillance within the framewrok of the Programme was carried out in 127 poultry holdings: 6 breeder holdings out of 16 planned according to the programme, 20 laying hens holdings, out of 37 planned, 5 captive birds farm, 3 turkey holding,15 duck and geese farms out of 80 planned. Total samples from domestic poultry taken is 3725 following the sampling protocol as layed down in Directive 2005/94

83 wild birds were tested within the present Programme.

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.

Within reporting period 28 outbreaks of HPAI were registered in 5 administrative regions (Dobrich, Haskovo, Plovdiv, Stara Zagora, Yambol, Vidin), as follows:

- 14 in duck farms;
- 7 in backyard farms;
- 5 in laying hens farms;
- 1 in broiler farm;
- 1 in captive birds farm.

Bulgarian Food Safety Agency immediately put in force all relevant emergency and eradication measures pursuant to Council Directive 2005/94/EC on Community measures for the control of avian influenza and the National contingency plan for AI.

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	BG232	1	1	59	59	ELISA test	59
Chicken Breeders	BG333	11	1	59	59	ELISA test	63
Chicken Breeders	BG315	1	1	58	58	ELISA test	58

Chicken Breeders	BG321	1	1	59	59	ELISA test	59
Laying Hens	BG341	3	2	59	116	ELISA test	116
Laying Hens	BG331	3	2	59	118	ELISA test	118
Laying Hens	BG321	8	1	59	59	ELISA test	59
Laying Hens	BG313	6	3	59	177	ELISA test	177
Laying Hens	BG322	1	1	59	59	ELISA test	59
Laying Hens	BG332	25	5	59	262	ELISA test	262
Laying Hens	BG332	25	4	10	40	PCR test	40
Laying Hens	BG425	11	5	15	75	ELISA test	75
Laying Hens	BG415	4	3	20	59	ELISA test	59
Laying Hens	BG315	1	1	54	54	ELISA test	54
Laying Hens	BG312	3	3	40	120	ELISA test	126
Laying Hens	BG323	3	3	59	177	ELISA test	177
Laying Hens	BG325	5	5	59	295	ELISA test	307
Laying Hens	BG424	1	1	59	59	ELISA test	59
Laying Hens	BG411	4	1	40	40	ELISA test	41
Laying Hens	BG412	5	1	59	59	ELISA test	59
Laying Hens	BG344	5	1	58	58	ELISA test	58
Laying Hens	BG422	5	1	57	57	ELISA test	57
Laying Hens	BG422	5	1	4	4	HI test for H5	4
Laying Hens	BG343	4	2	56	112	ELISA test	112
Farmed game birds (gallinaceous)	BG412	1	1	20	20	ELISA test	20
Farmed game birds (gallinaceous)	BG421	1	1	6	6	PCR test	6
Farmed game birds (gallinaceous)	BG344	1	1	58	58	ELISA test	58
Farmed game birds (gallinaceous)	BG343	2	2	59	59	ELISA test	59
Fattening Turkeys	BG344	1	1	59	59	ELISA test	59
Turkey Breeders	BG344	1	1	59	59	ELISA test	59
Turkey Breeders	BG344	1	1	16	16	HI test for H5	16
Ducks	BG341	2	1	20	20	ELISA test	28
Ducks	BG331	16	13	5	5	PCR test	5
Ducks	BG331	16	4	20	79	ELISA test	79
Ducks	BG332	5	3	20	60	ELISA test	60
Ducks	BG315	8	3	20	60	ELISA test	60
Ducks	BG423	5	5	40	200	PCR test	200
Ducks	BG314	6	1	20	20	ELISA test	20
Ducks	BG421	115	12	20	240	ELISA test	240
Ducks	BG344	39	9	20	180	ELISA test	180
Ducks	BG422	34	2	20	40	ELISA test	40
Ducks	BG422	34	10	20	200	PCR test	200
Ducks	BG343	5	3	20	60	ELISA test	64
Ducks	BG343	5	1	20	20	HI test for H5	20
Ducks	BG343	5	1	20	20	PCR test	20
Ducks	BG315	8	1	9	9	PCR test	9
Total		452	127	1,750	3,725	Methods of laboratory analysis	Total number of tests
						Total - ELISA test	3,240
						Total - HI test for H5	40
						Total - PCR test	480

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
BG341	37	37	0
BG311	9	9	0
BG415	2	2	0
BG315	7	7	0
BG312	4	4	0
BG314	4	2	0
BG323	9	9	0
BG325	2	2	0
BG411	8	8	0
BG333	1	1	0
Total	83	81	0

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

	Domestic birds	Wild birds
Nr of HPAI outbreaks	28	0
Nr of LPAI outbreaks	0	0

COMMENT / ADDITIONAL CLARIFICATION

n/a