



EUROPEAN COMMISSION
HEALTH & CONSUMERS DIRECTORATE-GENERAL

Unit G5 - Veterinary Programmes

SANCO/10765/2012

*Programmes for the eradication, control and monitoring of certain
animal diseases and zoonoses*

Survey programme for Avian Influenza (AI)

Approved* for 2012 by Commission Decision 2011/807/EU

Austria

* in accordance with Council Decision 2009/470/EC

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version : 2.1

1. Identification of the programme

Member state : OSTERREICH

Disease : avian influenza in poultry and wild birds

Request of Community co-financing from beginning of:

2012

to end of

2012

1.1 Contact

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2. Description of the surveillance programme in poultry

2.1 Objectives of surveillance programmes

(max. 32000 chars) :

Österreich ist frei von der Klassischen Geflügelpest (GP) seit 1946 in Hausgeflügel. Oberste Behörde für die Koordinierung der Umsetzung des gegenständlichen Programms ist das Bundesministerium für Gesundheit (BMG), Bereich Verbrauchergesundheit, Abteilung 11 (Tierschutz, Tierseuchen- und Zoonosenbekämpfung).

Als Teil des Veterinärwesens ist der Bereich Tierseuchenüberwachung in Österreich in Gesetzgebung und Vollziehung Angelegenheit des Bundes.

Die Richtlinie 2005/94/EG sieht bestimmte Vorbeugemaßnahmen hinsichtlich der Überwachung und Früherkennung der Aviären Influenza vor. Damit die mögliche Verbreitung dieser Viren in Hausgeflügelbeständen festgestellt werden kann, müssen die Mitgliedstaaten obligatorische Überwachungsprogramme durchführen. Mit diesen Bekämpfungsmaßnahmen will man die Ausbreitung von LPAI der Subtypen H5 und H7 verhindern, bevor sie sich in der Hausgeflügelpopulation ausbreiten, damit dem Risiko einer Mutation zu HPAI mit möglicherweise verheerenden Folgen vorgebeugt werden kann. Die Richtlinie 2005/94/EG sieht auch vor, dass Überwachungsprogramme bei Wildvögeln durchgeführt werden, damit man, auf der Grundlage einer regelmäßig aktualisierten Risikobewertung,

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ein besseres Verständnis der Bedrohungen gewinnen kann, die durch Wildvögel hinsichtlich Inflenzaviren aviären Ursprungs bei Vögeln hervorgerufen werden.

2.2 Design, implementation and target population

(max. 32000 chars) :

Das Programm wurde unter Berücksichtigung der nationalen Gegebenheiten nach den Vorgaben der BdK 2010/367/EU vom 25. Juni 2010 über die Durchführung der Programme zur Überwachung von Geflügel und Wildvögeln auf aviäre Influenza durch die Mitgliedstaaten erstellt. Unter Berücksichtigung der epidemiologischen Gegebenheiten wird nach § 3 der Geflügelpestverordnung 2007, BGBl. II Nr. 309/2007, vom Bundesminister für Gesundheit ein Stichprobenplan für alle Bundesländer erstellt und in den „Amtlichen Veterinärnachrichten“ kundgemacht. Bei der Erstellung des Überwachungsprogrammes ist die Risikobewertung der AGES, die laufend aktualisiert wird, zu berücksichtigen. Die Koordination der Probennahmen und die Wahl der Untersuchungsmethode haben durch das nationale Referenzlabor zu erfolgen. Die Maßnahmen gemäß dem Stichprobenplan obliegen dem Landeshauptmann. Die Probennahmen sind von den amtlichen Tierärzten durchzuführen und alle Proben sind ausschließlich im nationalen Referenzlabor zu untersuchen. Dieses hält Kontakt mit dem Gemeinschaftlichen Referenzlabor (GRL) in Weybridge und ist verpflichtet, eventuelle positive H5 und H7 AI-Virusisolate an das GRL zu übermitteln. Die Koordination und die Durchführung dieses Programms wird vom österreichischen nationalen Referenzlabor für AI, zugehörig zur Österreichischen Agentur für Gesundheit und Ernährungssicherheit (AGES), Institut für veterinärmedizinische Untersuchungen Mödling, wahrgenommen. Die Untersuchung und Einsendung der Proben erfolgt nach den Vorgaben des Diagnosehandbuches für AI, das in den Amtlichen Veterinärnachrichten AVN - Nr. 5/2007 vom 18. Juni 2007 veröffentlicht worden ist.

2.2.1 Risk based surveillance (RBS)

(max. 32000 chars) :

There is no special risk based surveillance programm in Austria at the moment

2.2.2 Surveillance based on Representative Sampling

(max. 32000 chars) :

Yes, according to Commission Decision 2010/367/EU

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3. Target populations

(max. 32000 chars) :

As said in Commission Decision 2010/367/EU: Poultry: layers, free range layers, chicken breeders, fattening turkeys, fattening ducks, fattening geese, ratites

Chicken Breeders: because of a small population in Austria with different production - cycles, every flock available gets sampled. As breeding flocks are kept inside in Austria they are also not considered to be a population of birds with a high risk to get infected with AI.

Wild birds: also according to § 4 of the avian influenza regulation BGBl. II/Nr.309/2007 every dead found waterbird or raptor must be sent to the NRL for AI

4. Risk-based surveillance (RBS) method

4.1 Criteria and Risk factors

4.1.1 *Criteria and risk factors for virus introduction into poultry holdings due to direct or indirect exposure to wild birds in particular those of identified 'target species'*

(max. 32000 chars) :

Please refer to 2.2.1

4.1.2 *Criteria and risk factors for virus spread within poultry holdings and between poultry holdings, as well as the consequences (impact) of the spread of avian influenza from poultry to poultry and between poultry holdings*

(max. 32000 chars) :

Please refer to 2.2.1

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4.2. Targeting of populations at risk

(max. 32000 chars) :

Please refer to 2.2.1

4.3. Targeting of poultry holdings to be sampled

(max. 32000 chars) :

Please refer to 2.2.1

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5. Poultry holdings to be sampled

5.1 Poultry holdings (except ducks, geese and mallard) to be sampled according to table 1 of Annex 1 to Decision 2010/367/EU

Category : laying hens

delete this category

NUTS (2) (a)	Total number of holdings	Total number of holdings to be sampled	Number of samples per holding	Total number of tests to be performed per method	Method of laboratory analysis
12	133	18	10	180	ELISA test
22	149	18	10	180	ELISA test
31	93	10	10	100	ELISA test
11,21,32,33	85	14	10	140	ELISA test
Total	460	60		600	
Add a new row					

(a) Refers to the location of the holding origin. In case NUTS 2 (Nomenclature of Territorial Units for Statistics) can not be used, coordinates (longitude/latitude) are requested. Please fill-in these values directly in the field.

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Category : free range laying hens

delete this category

NUITS (2) (a)	Total number of holdings	Total number of holdings to be sampled	Number of samples per holding	Total number of tests to be performed per method	Method of laboratory analysis
22	362	38	10	380	ELISA test
31	109	7	10	70	ELISA test
12	75	9	10	90	ELISA test
11,21,32,33	109	6	10	60	ELISA test
Total	655	60		600	
Add a new row					
<i>(a) Refers to the location of the holding origin. In case NUTS 2 (Nomenclature of Territorial Units for Statistics) can not be used, coordinates (longitude/latitude) are requested. Please fill-in these values directly in the field.</i>					

Category : fattening turkeys

delete this category

NUITS (2) (a)	Total number of holdings	Total number of holdings to be sampled	Number of samples per holding	Total number of tests to be performed per method	Method of laboratory analysis
11	28	10	10	100	ELISA test
12	37	20	10	200	ELISA test

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21	10	10	10	10	100	ELISA test	X
22	15	3	10	10	30	ELISA test	X
31	22	10	10	10	100	ELISA test	X
Total	112	53			530		
Add a new row							
<i>(a) Refers to the location of the holding origin. In case NUTS 2 (Nomenclature of Territorial Units for Statistics) can not be used, coordinates (longitude/latitude) are requested. Please fill-in these values directly in the field.</i>							

Category : ratites

delete this category

NUTS (2) (a)	Total number of holdings	Total number of holdings to be sampled	Number of samples per holding	Total number of tests to be performed per method	Method of laboratory analysis
12	1	1	10	10	ELISA test
22	4	4	10	40	ELISA test
Total	5	5		50	
Add a new row					
<i>(a) Refers to the location of the holding origin. In case NUTS 2 (Nomenclature of Territorial Units for Statistics) can not be used, coordinates (longitude/latitude) are requested. Please fill-in these values directly in the field.</i>					

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Category : chicken breeders

delete this category

NUTS (2) (a)	Total number of holdings	Total number of holdings to be sampled	Number of samples per holding	Total number of tests to be performed per method	Method of laboratory analysis	
12	2	2	10	20	ELISA test	X
21	8	8	10	80	ELISA test	X
22	8	8	10	80	ELISA test	X
31	16	16	10	160	ELISA test	X
32	8	8	10	80	ELISA test	X
Total	42	42		420		
Add a new row						
Add a category						
<i>(a) Refers to the location of the holding origin. In case NUTS 2 (Nomenclature of Territorial Units for Statistics) can not be used, coordinates (longitude/latitude) are requested. Please fill-in these values directly in the field.</i>						

5.2 Ducks, geese and mallard holdings to be sampled according to table 2 of Annex I to Decision 2010/367/EU

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NUTS (2) (a)	Total number of duck and geese holdings	Total number of duck and geese holdings to be sampled	Number of samples per holding	Total number of tests to be performed per method	Method of laboratory analysis
11	30	28	20	560	ELISA test
12	15	14	20	280	ELISA test
22	2	2	20	40	ELISA test
31	3	3	20	60	ELISA test
Total	50	47		940	
Add a new row					

(a) Refers to the location of the holding origin. In case NUTS 2 (Nomenclature of Territorial Units for Statistics) can not be used, coordinates (longitude/latitude) are requested. Please fill-in these values directly in the field.

6. Frequency and period for testing

(max. 32000 chars) :

Breeders, layers, turkeys and ratiaties are sampled during the whole year. Geese and ducks are sampled in autumn, at the end of the production period.

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7. Laboratory testing

Description of the used serological tests: (max 32000 chars)

Avian Influenza Antibody Test Kit IDEXX
Avian Influenza Multi-species IDEXX

8. Description of the surveillance programme in wild birds

8.1 Objectives of surveillance

(max 32000 chars)

Austria is situated in the centre of the flight track for migratory birds from the south to the north and from the east to the north-west. This situation gives a good overview on the infection status of wild birds with avian influenza.

In Austria there are two big lakes which are resting places and destinations for a lot of migratory birds and breeding area for waterfowls. This is Lake Constance in the west and Neusiedler lake in the east of Austria. The local governments are aware of the higher risk due to the geographical situation. There is still a cross-border active surveillance project on Lake Constance, financed by the involved countries themselves. The laboratory tests are performed by the Austrian NRL for AI.

8.2 Surveillance design

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(max. 32000 chars) :

All waterbirds and raptors found dead have to be sent to the NRL for laboratory investigation.

8.3 Sampling procedures

max 32000 chars :

The dead birds are sent to the NRL institute and organ samples as trachea, lung, brain, liver, intestine, kidney and pancreas are pooled and analysed for Avian Influenza Viruses. When several dead birds are sent simultaneously, pre-screening of cloacal/tracheal swabs will proceed, then positive and suspicious samples will be analysed in the organs to improve sensitivity.

8.4 Laboratory testing

max 32000 chars :

RNA Extraction of swabs with either QIAmp Viral RNA Mini Kit (Qiagen) or Nucleospin Viral Kit (Macherey &Nagel); RNA Extraction of organ samples with RNeasy Kit (Qiagen) or Nucleospin RNA Tissue Kit (Macherey &Nagel); Prescreening of samples using real-time RT-PCR for the Matrix Protein of Influenza A Virus. Confirmation of positive samples using H5 and H7, N1 real-time RT-PCR (all are protocols recommended by the CRL in Weybridge, Diagnostic manual). H5 or H7 positive samples are pathotyped by classical RT-PCR and sequencing of the HA protein at the cleavage site.

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8.5. 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/region (a)	Wild birds to be sampled	Total number of birds to be sampled	Estimated total number of samples to be taken for surveillance	Estimated total number of samples to be taken for passive surveillance	
11	800	800	0	800	X
34	800	800	0	800	X
12, 21,22,23,31,32,33	400	400	0	400	X
Total		2 000	0	2 000	
Add a new row					

(a) Refers to the place of collection of birds/samples. In case NUTS 2 (Nomenclature of Territorial Units for Statistics) can not be used, region as defined in the programme by the Member State is requested. Please fill-in these values directly in the field.

9. Description of the epidemiological situation of the disease in poultry during the last five years

max 32000 chars :

Austria has been free of disease in poultry in the last 5 years.

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9.1 Measures included in the programme for surveillance in poultry

9.1.1 Designation of the central authority in charge of supervising and coordinating the departments responsible for implementing the programme

(max. 32000 chars) :

announcement according to § 3 of avian influenza regulation BGBL. II/Nr.309/2007

9.1.2 System in place for the registration of holdings

(max. 32000 chars) :

According to the Avian Influenza Regulation BGBL. II/Nr.309/2007, each holding has to be registered at the first administrative level (district). Holdings upon 350 chicken/turkeys are also registered within the QGV database (QGV = Quality Poultry Association)

9.1.3 Data on vaccination carried out

(max. 32000 chars) :

Vaccination is not allowed in Austria. On request the Federal Ministry of Health can give exception for birds kept in zoos.

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10. Description of the epidemiological situation of the disease in wild birds during the last five years

(max. 32000 chars) :

119 wild birds positive for H5N1 in 2006. Since then, only few LPAI H5 and LPAI H7 have been detected in wild birds.

10.1 Measures included in the programme for surveillance in wild birds

(max. 32000 chars) :

The Federal Ministry of Health gives regular information on the epidemiological situation within Austria and the other memberstates to lokal authorities and stakeholders, to keep them sensible.

10.1.1 Designation of the central authority in charge of supervising and coordinating the departments responsible for implementing the programme

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32max. 32000 chars) :

Under the supervision of the Federal Ministry of Health, the NRL is responsible on investigation, notification and reporting.

10.1.2 Description and delimitation of the geographical and administrative areas in which the programme is to be applied

(max. 32000 chars) :

The programme covers the whole Austrian territory

10.1.3 Estimation of the local and/or migratory wildlife population

(max. 32000 chars) :

Due to the fact that Austria is situated in the centre of the flight track for migratory birds from the south to the north and from the east to the north-west, a serious estimation is not possible.

11. Measures in place as regards the notification of the disease

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(max. 32000 chars) :

Avian Influenza Regulation BGBl. II/Nr.309/2007
HPAI-Wild Bird-Avian Influenza Regulation BGBl. II Nr. 404/2006
Emergency plan for the eradication of Avian Influenza in Austria, GZ 74700/0020-II/B/6/2008, version 2008.

12. Costs

12.1 Detailed analysis of the costs

12.1.1 Poultry

(max. 32000 chars) :

see 12.2.1
to ELISA: there are 2 different test, one for hens and turkeys with 5,10€ and one for ducks and geese with 6,40€.
In table 12.2.1 it is not possible to give decimal places.

12.1.2 Wild birds

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(max. 32000 chars) :

see 12.2.2

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12.2 Summary of the costs

12.2.1 Poultry surveillance

Methods of laboratory analysis	Number of tests to perform per method	Unitary test cost (per method) in €	Total cost (€)
ELISA test	3 140	6	18840
agar gel immune diffusion test	0	0	0
Haemagglutination-inhibition-test (HI) for H5 (specify number of tests for H5)	30	6	180
Haemagglutination-inhibition-test (HI) for H7 (specify number of tests for H7)	30	6	180
Virus isolation test	0	0	0
PCR test	0	0	0
Total	3 200		19 200,00 €
Other measures to be covered			
Sampling	2 200	1	2200 X
Mail	10	10	100 X
			Add a new row

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Total	11			2 300,00 €
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12.2.2 Wild bird surveillance

Methods of laboratory analysis	Number of tests to perform per method	Unitary test cost (per method) in €	Total cost (€)
Haemagglutination-inhibition-test (HI) for H5/H7	5	6	30
Virus isolation test	20	45	900
PCR test	2 000	33	66000
Other please specify here	0	0	0
Total	2 025	84,00 €	66 930,00 €
Other measures to be covered			
Sampling	2 000	20	40000 X
			Add a new row
Total	2000	20,00 €	40 000,00 €

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