



EUROPEAN COMMISSION
HEALTH AND CONSUMERS DIRECTORATE-GENERAL

Director General

SANCO/10224/2013

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

Eradication and monitoring programme for Bluetongue

Latvia

Approved* for 2013 by Commission Decision 2012/761/EU

* in accordance with Council Decision 2009/470/EC

Standard requirements for the submission of programme for eradication, control and monitoring

version : 2.2

1. Identification of the programme

Member state : LATVIJA

Disease : Bluetongue in endemic or high risk areas

Species : Bovines and sheep and goats

This program is multi annual : no

Request of Union co-financing from
beginning of :

2013

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1.1 Contact

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2. Historical data on the epidemiological evolution of the disease

Provide a concise description on the target population (species, number of herds and animals present and under the programme), the main measures (sampling and testing regimes, eradication measures applied, qualification of herds and animals, vaccination schemes) and the main results (incidents, prevalence, qualification of herds and animals). The information is given for distinct periods if the measures were substantially modified. The information is documented by relevant summary epidemiological tables (point 6), complemented by graphs or maps (to be attached).

(max. 32000 chars) :

No epidemiological data is available. Bluetongue has been never registered in Latvia.

3. Description of the submitted programme

Provide a concise description of the programme with its main objective(s) (monitoring, control, eradication, qualification of herds and/or regions, reducing prevalence and incidence), the main measures (sampling and testing regimes, eradication measures to be applied, qualification of herds and animals, vaccination schemes), the target animal population, the area(s) of implementation and the definition of a positive case.

(max. 32000 chars) :

Programme has been developed with the target to carry out monitoring of susceptible animals in all

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territory of Latvia during vector active period and to vaccinate all susceptible population (bovine, ovine and caprine animals) against blue tongue (most probably serotype 8, but also in case of other BT serotype) in 2013 in case of occurrence of the disease. Vaccination (in a case of outbreak) will be mandatory in all territory of Latvia. Programme will include monitoring measures within BT restricted area (in a case of outbreak) and outside restricted area (in a peace time). Serological monitoring with sentinel animals will be used as a tool for virus circulation control. Serological, virological and entomological monitoring also will be carried out in a case of outbreak.

4. Measures of the submitted programme

4.1 Summary of measures under the programme

Duration of the programme : 2013

First year :

- Control
- Testing
- Slaughter and animals tested positive
- Killing of animals tested positive
- Vaccination
- Treatment
- Disposal of products
- Eradication, control or monitoring

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4.2 Organisation, supervision and role of all stakeholders involved in the programme

Describe the authorities in charge of supervising and coordinating the departments responsible for implementing the programme and the different operators involved. Describe the responsibilities of all involved.

(max. 32000 chars) :

The Food and Veterinary Service (FVS) of the Republic of Latvia is a state administrative institution headed by the CVO and supervised by the Ministry of Agriculture. The FVS consists of the central body placed in Riga and territorial structural units (the local level)- 11 regional offices. The central body coordinates activities of the local level and ensure a unified implementation and surveillance of legislation. The local level carries out the official surveillance in accordance with the state surveillance programmes and reports to the central body. The State authorised veterinarians report to the respective local veterinary office. Vaccination will be supervised by Veterinary Surveillance Department of FVS (Central authority).

4.3 Description and demarcation of the geographical and administrative areas in which the programme is to be implemented

Describe the name and denomination, the administrative boundaries, and the surface of the administrative and geographical areas in which the programme is to be applied. Illustrate with maps.

(max. 32000 chars) :

Programme will be implemented in whole territory of Latvia.

4.4 Description of the measures of the programme

A comprehensive description needs to be provided of all measures unless reference can be made to Union legislation. The national legislation in which the measures are laid down is mentioned.

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4.4.1 Notification of the disease

(max. 32000 chars) :

Bluetongue is immediately and compulsory notifiable disease in Latvia. According to Veterinary Medicine law every person handling animals must notify to veterinarian/ FVS inspector about suspected cases. After reception of such information state authorized veterinarians and /or inspectors are obliged to visit possibly affected holding, carry out epidemiological investigation and take samples to confirm or rule out BT. Veterinarians are financed for these activities from FVS budget. Since 2006, awareness campaigns and trainings have been organized for veterinarians, inspectors and animal owners, leaflets issued by FVS. Samples are tested by National Reference laboratory (NRL).

4.4.2 Target animals and animal population

(max. 32000 chars) :

Target species will be bovine, ovine and caprine. The number of animals for testing will be determined by National BT surveillance programme. Samples for testing will be selected from samples sent in National Reference laboratory in a frame of other disease surveillance and control programmes. There are 33 998 herds with 380 612 bovine animals registered in Latvia at the time of preparation of programme.

BT is compulsory notifiable disease in Latvia since 1998.

There are 4 357 sheep herds with 79 664 animals and 2 856 goat herds with 13 425 animals registered in Latvia at the time of preparation of programme.

4.4.3 Identification of animals and registration of holdings

(max. 32000 chars) :

Regulation of Cabinet of Ministers No 650, 16 August, 2011 "Order of registration of animals, herds and holdings and identification of animals" determines order of individual identification of cattle, pigs, sheep, goats and horses and registration of holdings of agricultural animals, bee gardens, fishponds, hatcheries of aquatic animals (Repealing Regulation of Cabinet of Ministers No 712, 16 December, 2003 "Order of registration of animals, herds and holdings and identification of animals"). This regulation is harmonised with Council Directives 92/100/EEC and 90/427/EEC.

Vaccinated bovine animals will be identified with the red stamp in bovine passport. Ovine and caprine animals will be marked with additional ear tag (in red color).

To ensure common data registration system, Agricultural Data Centre (ADC) maintains central register of animals, herds and holdings. ADC is a state agency under the supervision of the Ministry of Agriculture.

4.4.4 Qualifications of animals and herds

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(max. 32000 chars) :

At the moment of preparation of the programme all bovine, ovine and caprine herds are free from BT.

4.4.5 Rules of the movement of animals

(max. 32000 chars) :

All bovine, ovine and caprine animal movements are recorded in National data base. In a case of BT suspects or outbreak movement restrictions will be applied to index holding and linked holdings.

4.4.6 Tests used and sampling schemes

(max. 32000 chars) :

Suspected animals will be tested to BT antibodies using ELISA test. Positive samples will be confirmed with PCR.

Monitoring in a case of outbreak will be carried out using sentinel animals. Bovine animals will be used as sentinel animals and will be tested to BT antibodies before putting in herds. During vector activity season each sentinel animal will be sampled once per month and tested to antibodies using ELISA. Entomological monitoring of Culicoides will also be carried out in BT restricted zone during vector active season.

Serological monitoring (to detect virus incursion in country) will be carried out in all territory of Latvia. Number of samples is calculated with 95% confidence to detect prevalence of 20% - according to population size of 10 territories supervised by Food and Veterinary Service (FVS) of Latvia (all territory of Latvia is divided in 110 municipalities or counties). Samples will be taken in each of the 10 FVS supervision territories several times during vector active season (April-November).

Total number of samples will be divided depending on population size in each of 10 territories of FVS (110 municipalities or counties). Every month during vector active season bulk milk samples will be taken from cattle covering all country. In addition blood samples from sheep and goats will be tested. Mainly milk and blood samples submitted for testing in a framework of other disease control (enzootic bovine leucosis and brucellosis) will be used for testing to BT. Milk and blood samples will be selected randomly for testing by NRL according to BT surveillance programme elaborated by FVS. Pooling of samples can only be done for milk samples. Two types of milk samples can be use for this purpose: tank milk (milk from 6-10 cows) and bulk milk or pool of milk (equal amount of milk from every cow taken in farm during milking - 11-50 cows (maximum milk from 50 cows)).

4.4.7 Vaccines used and vaccination schemes

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(max. 32000 chars) :

This programme is focused on vaccination against BTv8. In case of occurrence of disease caused by another BT serotype vaccination will be also carried out. Vaccine will be purchased by Food and Veterinary Service and distributed to territorial structural units of FVS. Vaccination will be provided by FVS authorized veterinarians. Inactivated vaccine will be used, in accordance with the producer's instructions.

4.4.8 Information and assessment on bio-security measures management and infrastructure in place in the holdings involved.

(max. 32000 chars) :

Inspections will be carried out in all animal holdings with susceptible animals in restricted zone. Detailed inspections will also include assessment of bio-security measures in place and documental checks.

4.4.9 Measures in case of a positive result

A short description is provided of the measures as regards positive animals (slaughter, destination of carcasses, use or treatment of animal products, the destruction of all products which could transmit the disease or the treatment of such products to avoid any possible contamination, a procedure for the disinfection of infected holdings, the therapeutic or preventive treatment chosen, a procedure for the restocking with healthy animals of holdings which have been depopulated by slaughter and the creation of a surveillance zone around infected holding)

(max. 32000 chars) :

According the Latvian Food and Veterinary Service Order No 96, 22.12.2006. „Instruction on the control and eradication of the Blue tongue” (elaborated in accordance with requirements set in Council directive 2000/75/EC) in case of BT outbreak we are going to:

- 1) retest of all serologically positive animals with PCR tests,
- 2) immediate culling and disposing of all PCR positive animals,
- 3) cleaning and disinfection of infected premises,
- 4) protect animals against vector attacks (repellents and insecticides),
- 5) serological examination (ELISA) for all sentinels in the farms within the restriction zones,
- 6) entomological surveillance,
- 7) emergency vaccination.

4.4.10 Compensation scheme for owners of slaughtered and killed animals

(max. 32000 chars) :

Regulation of Cabinet of Ministers No 177, 15 March 2005, “Procedure according to which compensations are given or owner of animals receive compensations for losses which have arise due to eradication of epizootics or animal infectious diseases” determines procedure according to which compensations are given or owner of animals receive compensations for losses which have arisen due to eradication or outbreaks of animal infectious diseases, which are under state supervision.

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4.4.11 Control on the implementation of the programme and reporting

(max. 32000 chars) :

National Reference laboratory will provide FVS with reports on numbers of tested samples and animals on regularly basis. FVS will check those reports ensuring that number of animals determined in programme is tested. NRL has to notify immediately positive results to FVS.

5. Benefits of the programme

A description is provided of the benefits for farmers and society in general

(max. 32000 chars) :

The main benefit of the programme is keeping Latvia free from Bluetongue. Control and limit of Bluetongue spreading in Republic of Latvia (in case of outbreak).

6. Data on the epidemiological evolution during the last five years

Data already submitted via the online system for the years 2007 - 2010:

no

6.1 Evolution of the disease

Evolution of the disease :

Not applicable

Applicable...

6.2 Stratified data on surveillance and laboratory tests

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6.2.1 Stratified data on surveillance and laboratory tests for year : **2011**

Region	Animal Species	Test Type	Test Description	Number of samples tested	Number of positive samples
Latvia	Bovine	serological test	ELISA milk	176	0 X
Latvia	Bovine	serological test	ELISA blood	5 616	0 X
Latvia	Sheep	serological test	ELISA blood	1 172	0 X
Latvia	Goats	serological test	ELISA blood	234	0 X
Latvia	Bovine	microbiological or virological te:	PCR	11	0 X
Latvia	Sheep	microbiological or virological te:	PCR	10	0 X
Total				7 219	
ADD A NEW ROW					

6.2.1 Stratified data on surveillance and laboratory tests for year : **2010**

Region	Animal Species	Test Type	Test Description	Number of samples tested	Number of positive samples
Latvia	Bovine	serological test	ELISA blood	7 862	0 X

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Latvia	Sheep	serological test	ELISA blood	1 410	0	X
Latvia	Goats	serological test	ELISA blood	262	0	X
Latvia	Bovine	microbiological or virological test	PCR	48	0	X
Total				9 582		
ADD A NEW ROW						

6.2.1 Stratified data on surveillance and laboratory tests for year : **2009**

Region	Animal Species	Test Type	Test Description	Number of samples tested	Number of positive samples	
Latvia	Bovine	serological test	ELISA blood	2 713	0	X
Latvia	Sheep	serological test	ELISA blood	1 412	0	X
Latvia	Goats	serological test	ELISA blood	239	0	X
Latvia	Sheep	microbiological or virological test	PCR	106	0	X
Total				4 470		
ADD A NEW ROW						

6.2.1 Stratified data on surveillance and laboratory tests for year : **2008**

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Region	Animal Species	Test Type	Test Description	Number of samples tested	Number of positive samples
Latvia	Bovine	microbiological or virological te: -		0	0
Total				0	
ADD A NEW ROW					

6.2.1 Stratified data on surveillance and laboratory tests for year : **2007**

Region	Animal Species	Test Type	Test Description	Number of samples tested	Number of positive samples
Latvia	Bovine	microbiological or virological te: -		0	0
Total				0	
ADD A NEW ROW					

6.3 Data on infection

Data on infection

Not applicable

Applicable...

6.4 Data on the status of herds

Data on the status of herds :

Not applicable

Applicable...

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6.5 *Data on vaccination or treatment programmes*

Data on vaccination or treatment programmes is *Not applicable* *Applicable...*

6.6 *Data on wildlife*

Data on Wildlife is: *Not applicable* *Applicable...*

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7. Targets

The blocks 7.1.1, 7.1.2.1, 7.1.2.2, 7.2, 7.3.1 and 7.3.2 are repeated multiple times in case of first year submission of multiple program.

7.1 Targets related to testing (one table for each year of implementation)

7.1.1 Targets on diagnostic tests for year: **2013**

Region	Type of the test	Target population	Type of sample	Objective	Number of planned tests	
Latvia	ELISA	Bovine and caprine and st	blood	surveillance	1 900	X
Latvia	ELISA	Bovines	milk	surveillance	500	X
Latvia	PCR	Bovines and caprine and s	blood	confirmation of suspected cases	100	X
Total					2 500	
Add a new row						

7.1.2 Targets on testing herds and animals

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7.1.2.1 Targets on testing herds Not applicable Applicable...

7.1.2.2 Targets on testing animals Not applicable Applicable...

7.1.2.2 Targets on the testing of animals for year : **2013**

Region	Species	Total number of animals	Number of animals under the programme	Number of animals expected to be tested	Number of animals to be tested individually	Number of expected positive animals	Slaughtering		Target indicators	
							Number of animals with positive result expected to be slaughtered or culled	Total number of animals expected to be slaughtered	Expected % coverage at animal level	% positive animals (Expected animal prevalence)
Latvia	Bovine	380 612	380 612	6 000	500	0	0	1,58	0	X
Latvia	Sheep	79 664	79 664	1 164	1 164	0	0	1,46	0	X
Latvia	Goats	13 425	13 425	236	236	0	0	1,76	0	X
Total		473 701	473 701	7 400	1 900	0	0	1,56	0	
Add a new row										

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7.2 *Targets on qualification of herds and animals*

Targets on qualification of herds and animals *Not applicable* *Applicable...*

7.3 *Targets on vaccination or treatment*

7.3.1 *Targets on vaccination or treatment is* *Not applicable* *Applicable...*

7.3.1 *Targets on vaccination or treatment for year: 2013*

		Targets on vaccination or treatment programme								
Region	Animal species	Total number of herds in vaccination or treatment programme	Total number of animals in vaccination or treatment programme	Number of herds in vaccination or treatment programme	Number of herds expected to be vaccinated or treated	Number of animals expected to be vaccinated or treated	Number of doses of vaccine or treatment expected to be administered	Number of adults expected to be vaccinated	Number of young animals expected to be vaccinated	
Latvia	Bovines	33 998	380 612	33 998	33 998	380 612	761 224	220 000	160 612	X

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Latvia	Sheep	4 357	79 664	4 357	79 664	4 357	79 664	55 000	24 664	X
Latvia	Goats	2 856	13 425	2 856	13 425	2 856	13 425	12 000	1 425	X
Total		41 211	473 701	41 211	473 701	41 211	854 313	287 000	186 701	
Add a new row										

7.3.2 Targets on vaccination or treatment of wildlife is Not applicable Applicable...

8. Detailed analysis of the cost of the programme for year: 2013

The blocks are repeated multiple times in case of first year submission of multiple program.

1. Testing									
Cost related to	Specification	Unit	Number of units	Unitary cost in EUR	Total amount in EUR	Union funding requested			
Cost of analysis	Elisa (milk)	Pooled sample test	1 100	6.6	7260 yes	X			
Cost of analysis	Elisa (serum antibody detection)	Individual animal sample/test	1 400	4.51	6314 yes	X			
Cost of analysis	PCR (animal samples)	Individual animal sample/test	100	43.5	4350 yes	X			
						Add a new row			
2. Vaccination or treatment									
Cost related to	Specification	Unit	Number of units	Unitary cost in EUR	Total amount in EUR	Union funding requested			
Purchase of vaccine/treatment of animal product	Inactivated BTV-8 vaccine (bovines)	Vaccine dose	761 224	1.3	989,591.2 yes	X			
Purchase of vaccine/treatment of animal product	Inactivated BTV-8 vaccine (ovine-caprine)	Vaccine dose	93 089	1.3	121,015.7 yes	X			
						Add a new row			
3. Slaughter and destruction									
Cost related to	Specification	Unit	Number of units	Unitary cost in EUR	Total amount in EUR	Union funding requested			

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							Add a new row
4. Cleaning and disinfection							
Cost related to	Specification	Unit	Number of units	Unitary cost in EUR	Total amount in EUR	Community funding requested	Add a new row
5. Salaries (staff contracted for the programme only)							
Cost related to	Specification	Unit	Number of units	Unitary cost in EUR	Total amount in EUR	Union funding requested	
Administration of vaccines	Costs of veterinarians	Vaccine administration once	854.313	0.7	598,019.1	yes	X
6. Consumables and specific equipment							Add a new row
Cost related to	Specification	Unit	Number of units	Unitary cost in EUR	Total amount in EUR	Union funding requested	Add a new row
7. Other costs							
Cost related to	Specification	Unit	Number of units	Unitary cost in EUR	Total amount in EUR	Union funding requested	Add a new row
Total					1 726 550,00 €		

Attachments

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