



EUROPEAN COMMISSION
HEALTH & CONSUMERS DIRECTORATE-GENERAL

Unit G5 - Veterinary Programmes

SANCO/10814/2012

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

Survey programme for Bluetongue

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

Czech Republic

* in accordance with Council Decision 2009/470/EC

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

version : 2.1

1. Identification of the programme

Member state : CESKA REPUBLIKA

Disease : Bluetongue in endemic or high risk areas

Species : Bovines and sheep and goats

This program is multi annual : no

Request of Community co-financing for
year : 2012

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

version : 2.1

1.1 Contact

Name : Petr Satran, DVM, Ph.D.

Phone : +420227010150

Fax. : +420227010195

Email : epiz@svscr.cz

2. Historical data on the epidemiological evolution of the disease

A concise description is given with data on the target population (species, number of herds and animals present and under the programme), the main measures (testing, testing and slaughter, testing and killing, 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, graphs or maps.

(max. 32000 chars) :

The eight outbreak of bluetongue, serotype 8 was confirmed in Germany (Saxony) on 14-th December 2007 and restricted zone of 150 km encroached on further part of the territory of the Czech Republic – Region Liberec, Central-Bohemian Region, Region Hradec Králové.

Due to new epidemiological situation, monitoring program for Bluetongue was established in November 2007.

In the period from 1-st October 2007 until 31-st December 2009 14 outbreaks of bluetongue were detected in the Czech Republic. In 2010 was non positive case of Bluetongue.

3. Description of the submitted programme

A concise description of the programme is given with the main objective(s) (monitoring, control, eradication, qualification of herds and/or regions, reducing prevalence and incidence), the main measures (testing, testing and slaughter, testing and killing, qualification of herds and animals, vaccination), the target animal population and the area(s) of implementation and the definition of a positive case.

(max. 32000 chars) :

The programme for vaccination and surveillance involve all herds of animals' sensitive to infection by Bluetongue virus serotype 8 (bovines, sheep, goats and other farm ruminants).

The programme is applied in all territory of the Czech Republic in accordance of emergency veterinary

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

version : 2.1

measures issued in 2008, 2009 and 2010 by SVA of the CR.

The main objective of the programme is prevent spreading of Bluetongue disease in farm animals and monitoring of the epidemiological and entomological situation for appropriate risk assessment.

Rules for monitoring and surveillance programme are set up in accordance with Annex 1 Regulation (EC) 1266/2007/EEC.

4. Measures of the submitted programme

4.1 Summary of measures under the programme

Duration of the programme : 2012 _____

First year :

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

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

version : 2.1

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 Ministry of Agriculture of the Czech Republic determines main strategies in a care and carries out their control as laid down in the Veterinary Act No. 166/1999 Article 44, Point 1a. The ministry of Agriculture species obligatory preventive and diagnostic campaigns in accordance with the Veterinary Act, Article 44, Point 1d, based on the epidemiological situation. Related details are laid down in the "Methodology of Animal Health Control and Prophylaxis" approved by the Ministry of Agriculture and issued in its Official Journal. According to the legislation (Veterinary Act 166/1999), the State Veterinary Administration of the Czech Republic (hereinafter referred to as the "SVA CR") is central authority charged with supervising and coordinating the departments responsible for implementing of the vaccination plan in all territory of the Czech Republic and actions ordered by the "Methodology". Regional Veterinary Administrations (hereinafter referred to as the "RVAs") execute the legal power as to supervise private veterinarians over their actions in the professional field as ordered by the "Methodology".

The competent authority confirms its commitment to submit a complete report on actions and expenditures in the framework of this programme and to provide additional information when they are request by the Commission.

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) :

The programme will be applied in whole territory of the Czech Republic and will be modify during performing of the programme with respect to present epidemiological situation.

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

version : 2.1

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 community legislation. The national legislation in which the measures are laid down is mentioned.

4.4.1 Notification of the disease

(max. 32000 chars) :

Bluetongue is notifiable disease according to the Veterinary Act No. 166/1999 as amended. State Veterinary Administration of the Czech Republic ensure the immediate, compulsory notification to the European competent authority if circulation of the bluetongue virus is suspected or confirmed and also confirms its commitment to submit a complete report on action and expenditures in the framework of this programme and to provide additional information when request by the European Commission.

4.4.2 Target animals and animal population

(max. 32000 chars) :

The programme involves all herds of sensitive animals (bovines, sheep and goats) in whole territory of the Czech Republic.

4.4.3 Identification of animals and registration of holdings

(max. 32000 chars) :

Holdings in the Czech Republic are registered in the Database of Farms in accordance to the provisions of the law No. 154/2000, "Breeding Act" and Decree No. 136/2004 laying down details for identification of animals and their registration and registration of holdings and person established by Breeding Act. All animals on the farm are identified by self-registering ear-marks with a numbers of animal and holding. The Data on performed vaccination of animals shall be recorded in farmer's stable register. The Data on performed vaccination of bovine animals shall be recorded in accompanying documents of bovine animals.

4.4.4 Qualifications of animals and herds

(max. 32000 chars) :

The animals on the farm are identified by self-registering ear-marks with a numbers of animal and holding.

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

version : 2.1

4.4.5 Rules of the movement of animals

(max. 32000 chars) :

In relation to Bluetongue, the movement of animals is according to EU legislation mainly Regulation (EC) 1266/2007/EC.

4.4.6 Tests used and sampling schemes

(max. 32000 chars) :

Requirements for bluetongue monitoring to be implemented in restricted zones

Bluetongue monitoring programme in restricted zones shall be aimed at providing information on the dynamics of bluetongue in a zone already subjected to restrictions.

Region is defined as the geographical unit of reference. There are 14 regions in the whole territory of the Czech Republic.

1.1. Virological monitoring of susceptible animals:

Virological monitoring of susceptible animals consists of an active annual programme of testing bovine, ovine and caprine animals aimed at assessing the circulation of bluetongue virus within the restricted zones. The number of animals per geographical unit is representative and sufficient in order to detect an incidence of 2 % with a 95 % confidence in each geographical unit. Susceptible animals are tested every month.

1.2. Entomological monitoring

Entomological monitoring consists of an active programme of vector catching by means of permanently sited traps intended to determine the population dynamics and overwintering features of the *Culicoides* species in the sampled site in order to determine the seasonally vector-free period in the bluetongue seasonally-free zone. In the CR 33 traps in 33 grids, overall territory of the CR will be used. The aspiration traps equipped with ultraviolet light is used in accordance with pre-established protocols. The traps are operated throughout the night and operate at a rate of at least one night per week during outside of vector free period. An adequate proportion of the midges collected in the insect traps are sent to a specialised laboratory capable of counting and identifying *Culicoides* species on a routine basis by SVI Jihlava and external entomologists to monitor the presence of all *Culicoides* and *Cullioides* species in the territory of the CR.

4.4.7 Vaccines used and vaccination schemes

(max. 32000 chars) :

In 2012 we do not planing the obligatory vaccination campaign against bluetongue.

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

version : 2.1

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

(max. 32000 chars) :

Assessment of bio-security measures is provided by official control in the framework of Multiannual control plan based on risk assessment. Results of the controls are collected in the reporting system.

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) :

All measures taken in case of positive results will be in compliance to EU legislation, mainly to Council Directive 2000/75/EC laying down specific provisions for the control and eradication of bluetongue and to Commission Regulation (EC) No 1266/2007 on implementing rules for Council Directive 2000/75/EC as regards the control, monitoring, surveillance and restrictions on movements of certain animals of susceptible species in relation to bluetongue.

4.4.10 Compensation scheme for owners of slaughtered and killed animals

(max. 32000 chars) :

The farmers will be compensated by Ministry of Agriculture for costs and losses arisen in consequence with enforcement of emergency veterinary measures in accordance with § 67 of the Act No. 166/1999 concerning veterinary care and amending certain related laws, as amended (Veterinary Act).

4.4.11 Control on the implementation of the programme and reporting

(max. 32000 chars) :

The competent authority responsible for performing of the control programme is State Veterinary Administration of the Czech Republic and the competent authority confirms its commitment to submit a complete report on actions and expenditures in the framework of this programme and to provide additional information when they are request by the Commission.

5. Benefits of the programme

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

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

version : 2.1

(max. 32000 chars) :

- Prevention of Bluetongue infection spreading in the Czech Republic
- Reduction of economical losses caused by the disease
- Reduction of economical losses caused by restriction of trade
- Receiving of new knowledge's about epidemiology and aetiology of the disease

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

Data already submitted via the online system for the years 2006 - 2009 :

yes

6.1 Evolution of the disease

Evolution of the disease : Not applicable Applicable...

6.1.1 Data on herds for year : **2010**

Region	Animal species	Total number of herds	Total number of herds under the programme	Number of herds checked	Number of positive herds	Number of new positive herds	Number of herds depopulated	% positive herds depopulated	% herds coverage	Indicators			
										% positive herds Period herd prevalence	% new positive herds Herd incidence		
Czech Republic	Bovines	20 481	20 481	273	0	0	0		1,333				X
Czech Republic	Sheep	12 554	12 554	133	0	0	0		1,059				X

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

version : 2.1

Total				33 035	406	0	0	0	0	1,229		
Add a new row												

6.1.2 Data on animals for year : **2010**

Region	Animal species	Total number of animals	Number of animals to be tested under the programme	Number of animal tested	Number of animals tested individually	Number of positives animals	Slaughtering		Indicators		
							Number of animals with positive result slaughtered or culled	Total number of animals slaughtered	% coverage at animal level	% positive animals Animal prevalence	
Czech Republic	Bovines	1 376 311	950	979	979	0	0	277 983	103,053	0	X
Czech Republic	Sheep	229 174	160	348	348	0	0	11 125	217,5	0	X
Total		1 605 485	1 110	1 327	1 327	0	0	289 108	119,55	0	
ADD A NEW ROW											

6.2 Stratified data on surveillance and laboratory tests

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
Czech Republic	Bovine + ovine	microbiological or virological tests	RT - PCR	1 327	0
Total				1 327	
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...

Standard requirement for the submission of programme for eradication, control and monitoring
version : 2.1

6.5 Data on vaccination or treatment programmes

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

6.5 Data on vaccination or treatment programmes for year: **2010**

Region	Animal Species	Information on vaccination or treatment programme								
		Total number of herds	Total number of animals	Number of herds in vaccination or treatment programme	Number of herds vaccinated or treated	Number of animals vaccinated or treated	Number of doses of vaccine or treatment administered	Number of adults vaccinated	Number Number of young animals vaccinated	
Czech Republic	Bovines	20 481	1 376 311	20 481	20 481	1 392 455	1 815 770	667 010	709 301	X
Czech Republic	Sheep	12 554	229 174	12 554	12 554	214 214	217 025	153 622	75 552	X
Czech Republic	Goats	4 775	27 606	4 775	4 775	23 626	24 119	18 511	9 095	X
Total		37 810	1 633 091	37 810	37 810	1 630 295	2 056 914	839 143	793 948	
Add a new row										

Standard requirement for the submission of programme for eradication, control and monitoring
version : 2.1

6.6 Data on wildlife

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

Standard requirement for the submission of programme for eradication, control and monitoring
version : 2.1

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 : **2012**

Region	Type of the test	Target population	Type of sample	Objective	Number of planned tests	
Czech Republic	RT - PCR	Bovines	blood	surveillance	900	X
Czech Republic	RT - PCR	Sheep and goat	blood	surveillance	200	X
Czech Republic	RT - PCR	Bovines	blood	confirmation of suspected cases	10	X
Czech Republic	RT - PCR	Sheep and goat	blood	confirmation of suspected cases	10	X
Czech Republic	Entomological tests	Culicoides	trap content	Entomological monitoring	825	X
Total					1 945	
Add a new row						

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

version : 2.1

7.1.2 Targets on testing herds and animals

7.1.2.1 Targets on testing herds

Not applicable

Applicable...

7.1.2.1 Targets on the testing of herds for year:

2012

Region	Animal species	Total number of herds	Total number of herds under the programme	Number of herds expected to be checked	Number of expected positive herds	Number of expected new positive herds	Number of herds expected to be depopulated	% positive herds expected to be depopulated	Target indicators		
									Expected % herd coverage	% positive herds Expected period herd prevalence	% new positive herds Expected herd incidence
Czech Republic	Bovines	21 000	21 000	150	0	0	0	0,71	0	0	X
Czech Republic	Sheep	13 000	13 000	100	0	0	0	0,77	0	0	X
Total		34 000	34 000	250	0	0	0	0,74	0	0	
Add a new row											

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

version : 2.1

7.1.2.2 Targets on testing animals

Not applicable

Applicable...

7.1.2.2 Targets on the testing of animals for year : **2012**

Region	Species	Total number of animals	Number of animals under the programme	Number of animals expected to be tested	Number of animals 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)	
Czech Republic	Bovine	1 400 000	1 400 000	900	900	0	0	0,06	0	X	
Czech Republic	Sheep	240 000	240 000	200	200	0	0	0,08	0	X	
Total		1 640 000	1 640 000	1 100	1 100	0	0	0,07	0		
							Add a new row				

7.2 Targets on qualification of herds and animals

Targets on qualification of herds and animals Not applicable

Applicable...

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

version : 2.1

7.3 Targets on vaccination or treatment

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

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: 2012

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	Community funding requested
Cost of analysis	RT - PCR (animal samples)	Individual animal sample/test	1 120	41	45920	yes X
Cost of analysis	Vector identification	Pooled sample test	825	49	40425	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	Community funding requested
					Add a new row	
3. Slaughter and destruction						
Cost related to	Specification	Unit	Number of units	Unitary cost in EUR	Total amount in EUR	Community funding requested
					Add a new row	
4. Cleaning and disinfection						

Standard requirement for the submission of programme for eradication, control and monitoring
version : 2.1

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	Community funding requested
Salaries	sampling for virology testing	Individual animal sample	1 100	2.3	2530	yes X
					Add a new row	
6. Consumables and specific equipment						
Cost related to	Specification	Unit	Number of units	Unitary cost in EUR	Total amount in EUR	Community 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	Community funding requested
purchase of new vector traps	entomological monitoring	piece	35	398	13930	yes X
					Add a new row	
	Total				102 805,00 €	

Attachments

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