



EUROPEAN COMMISSION
HEALTH & CONSUMERS DIRECTORATE-GENERAL

Unit 04 - Veterinary Control Programmes

SANCO/10243/2009

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

Surveillance and Eradication programme of Bluetongue

Approved* for 2010 by Commission Decision 2009/883/EC

Luxembourg

* in accordance with Council Decision 2009/470/EC

ANNEX I

Standard requirements for the submission of national programmes for the eradication, control and monitoring of the animal diseases or zoonoses referred to in Article 1(a)¹

1. Identification of the programme

Member State: **Luxembourg**

Disease(s)²: **Bluetongue serotype 8**

Request of Community co-financing for³ : **2010**

Reference of this document: **FCO-2010-A.H.**

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Date sent to the Commission: **April 2009**

2. Historical data on the epidemiological evolution of the disease(s)⁴:

3. Description of the submitted programme⁵:

¹ In the case of the second and subsequent years of a multi-annual programme that has already been approved by a Commission Decision, only section 1, section 7 and section 8 need to be completed.

² One document per disease is used unless all measures of the programme on the target population are used for the monitoring, control and eradication of different diseases.

³ Indicate the year(s) for which co-financing is requested.

⁴ 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, vaccination) and the main results (incidence, 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, graphs or maps.

⁵ 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.

4. Measures of the submitted programme

4.1. *Summary of measures under the programme*

Duration of the programme:

First year:

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

Last year:

- Eradication
- Testing
- Slaughter of animals tested positive
- Killing of animals tested positive
- Extended slaughter or killing
- Disposal of products
- Other measures (*specify*):

4.2. *Organisation, supervision and role of all stakeholders⁶ involved in the programme:*

4.3. *Description and demarcation of the geographical and administrative areas in which the programme is to be implemented⁷:*

⁶ 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.

⁷ 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.

4.4. *Description of the measures of the programme*⁸:

4.4.1. Notification of the disease:

4.4.2. Target animals and animal population:

4.4.3. Identification of animals and registration of holdings:

4.4.4. Qualifications of animals and herds⁹:

4.4.5. Rules on the movement of animals:

4.4.6. Tests used and sampling schemes:

4.4.7. Vaccines used and vaccination schemes:

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

4.4.9. Measures in case of a positive result¹⁰:

4.4.10. Compensation scheme for owners of slaughtered and killed animals:

4.4.11. Control on the implementation of the programme and reporting:

5. **Benefits of the programme**¹¹:

⁸ 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.

⁹ To mention only if applicable.

¹⁰ 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 the infected holding.).

¹¹ A description is provided of the benefits for farmers and society in general.

7. Targets

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

7.1.1. Targets on diagnostic tests

Disease^(a): **Bt 8** Animal species: **bovin/ovine/caprin**

Region ^(b)	Type of the test ^(c)	Target population ^(d)	Type of sample ^(e)	Objective ^(f)	Number of planned tests
LUX	Elisa antibodies	All animals	serum	Surveillance/ control of vaccination	3500
	PCR	Vaccinated animals	blood	Confirmation of suspicions	1500
	Virus isolation	All animals	Blood	Confirmation/ identification of serotypes	200
Total					5200

(a) Disease and species if necessary

(b) Region as defined in the approved eradication programme of the Member State

(c) Description of the test (for instance SN-test, AB-Elisa, RBT, ...)

(d) Specification of the targeted species and the categories of targeted animals (for instance sex, age, breeding animal, slaughter animal, ...).

(e) Description of the sample (for instance blood, serum, milk, ...)

(f) Description of the objective (for instance qualification, surveillance, confirmation of suspected cases, monitoring of campaigns, seroconversion, control on deleted vaccines, testing of vaccine, control of vaccination, ...)

7.1.2. Targets on testing herds and animals¹²

7.1.2.1 Targets on the testing of herds^(a)

Disease^(b): BT8

Animal species: bovin

Region ^(c)	Total number of herds ^(d)	Total number of herds under the programme	Number of herds expected to be checked ^(e)	Number of expected positive herds ^(f)	Number of expected new positive herds ^(g)	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
1	2	3	4	5	6	7	$8 = (7/5) \times 100$	$9 = (4/3) \times 100$	$10 = (5/4) \times 100$	$11 = (6/4) \times 100$
LUX	1500	1500	?	?	?	0	0	?	?	?
Total	1500	1500	?	?	?	0	0	?	?	?

¹² Data not to provide in case of rabies.

Disease^(b): BT8

Animal species: ovine

Region ^(c)	Total number of herds ^(d)	Total number of herds under the programme	Number of herds expected to be checked ^(e)	Number of expected positive herds ^(f)	Number of expected new positive herds ^(g)	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
1	2	3	4	5	6	7	$8 = (7/5) \times 100$	$9 = (4/3) \times 100$	$10 = (5/4) \times 100$	$11 = (6/4) \times 100$
LUX	800	800	?	?	?	0	0	?	?	?
Total	800	800	?	?	?	0	0	?	?	?

Disease^(b): BT8

Animal species: caprine

Region ^(c)	Total number of herds ^(d)	Total number of herds under the programme	Number of herds expected to be checked ^(e)	Number of expected positive herds ^(f)	Number of expected new positive herds ^(g)	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
1	2	3	4	5	6	7	$8 = (7/5) \times 100$	$9 = (4/3) \times 100$	$10 = (5/4) \times 100$	$11 = (6/4) \times 100$
LUX	400	400	?	?	?	0	0	?	?	?
Total	400	400	?	?	?	0	0	?	?	?

(a) Herds or flocks, or holdings as appropriate.

(b) Disease and animal species if necessary.

(c) Region as defined in the approved eradication programme of the Member State.

(d) Total number of herds existing in the region including eligible herds and non-eligible herds for the programme.

(e) Check means to perform a herd level test under the programme for the respective disease with the purpose of maintaining, upgrading, etc., the health status of the herd. In this column a herd must not be counted twice even if it has been checked more than once.

(f) Herds with at least one positive animal during the period independent of the number of times the herd has been checked.

(g) Herds which status in the previous period was *Unknown*, *Not free-negative*, *Free*, *Officially Free* or *Suspended* and have at least one positive animal in this period.

7.1.2.2. Targets on the testing of animals

Disease^(a): BT8

Animal species: Bovin

Region ^(b)	Total number of animals ^(c)	Number of animals ^(d) under the programme	Number of animals ^(d) expected to be tested	Number of animals to be tested individually ^(e)	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 ^(f)	Expected % coverage at animal level	% positive animals (Expected animal prevalence)
1	2	3	4	5	6	7	8	$9 = (4/3) \times 100$	$10 = (6/4) \times 100$
LUX	190.000	190.000	5000	5000	?	0	0	2,7	?
Total	190.000	190.000	5000	5000	?	0	0	2,7	?

Disease^(a): BT8

Animal species: ovine

Region ^(b)	Total number of animals ^(c)	Number of animals ^(d) under the programme	Number of animals ^(d) expected to be tested	Number of animals to be tested individually ^(e)	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 ^(f)	Expected % coverage at animal level	% positive animals (Expected animal prevalence)
1	2	3	4	5	6	7	8	$9 = \frac{(4/3) \times 100}{1}$	$10 = \frac{(6/4) \times 100}{1}$
LUX	10.000	10.000	100	100	?	0	0	1	?
Total	10.000	10.000	100	100	?	0	0	1	?

Disease^(a): BT8

Animal species: caprine

Region ^(b)	Total number of animals ^(c)	Number of animals ^(d) under the programme	Number of animals ^(d) expected to be tested	Number of animals to be tested individually ^(e)	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 ^(f)	Expected % coverage at animal level	% positive animals (Expected animal prevalence)
1	2	3	4	5	6	7	8	$9 = (4/3) \times 100$	$10 = (6/4) \times 100$
LUX	2000	2000	20	20	?	0	0	1	?
Total	2000	2000	20	20	?	0	0	1	?

- (a) Disease and animal species if necessary.
- (b) Region as defined in the approved eradication programme of the Member State.
- (c) Total number of animals existing in the region including eligible herds and non-eligible herds for the programme.
- (d) Includes animals tested individually or under bulk level scheme.
- (e) Include only animals tested individually, do not include animals tested by bulk level samples (for instance milk bulk tank tests).
- (f) Include all positive animals slaughtered and also the negative animals slaughtered under the programme.

7.2. Targets on qualification of herds and animals¹³ (one table for each year of implementation)

Disease^(a):

Animal species:

Region ^(b)	Targets on the status of herds and animals under the programme ^(c)													
	Total number of herds and animals under the programme		Expected unknown ^(d)		Expected not free or not officially free from disease		Expected free or officially free from disease status suspended ^(g)		Expected free from disease ^(h)		Expected officially free from disease ⁽ⁱ⁾			
	Herds	Animals ^(f)	Herds	Animals ^(f)	Herds	Animals ^(f)	Herds	Animals ^(f)	Herds	Animals ^(f)	Herds	Animals ^(f)		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Total														

(a) Disease and species if necessary

(b) Region as defined in the approved eradication programme of the Member State

(c) At the end of the year

(d) Unknown: No previous checking results available

(e) Not free and last check positive: Herd checked with at least one positive result in the latest check

(f) Not free and last check negative: Herd checked with negative results in the latest check but not being *Free or Officially Free*

(g) Suspended as defined for the respective disease in Community or national legislation where appropriate or according national legislation.

(h) Free herd as defined for the respective disease where appropriate in Community or national legislation where appropriate or according national legislation

(i) Officially free herd as defined for the respective disease where appropriate in Community or national legislation where appropriate or according national legislation

(j) Include animals under the programme in the herds with the referred status (left column)

¹³

Data to provide only for bovine tuberculosis, bovine brucellosis, ovine and caprine brucellosis (*B. melitensis*), enzootic bovine leucosis (EBL) and Aujeszky's disease.

7.3. Targets on vaccination or treatment (one table for each year of implementation)

7.3.1. Targets on vaccination ¹⁴

Disease^(a): BT8

Animal species: bovine

Region ^(b)	Total number of herds ^(c) in vaccination or treatment programme	Total number of animals in vaccination or treatment programme	Targets on vaccination or treatment programme					
			Number of herds ^(c) in vaccination or treatment programme	Number of herds ^(c) 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 ^(d) expected to be vaccinated	Number of young ^(d) animals expected to be vaccinated
LUX	1500	1500	1500	1500	190000	250.000	160.000	30.000
Total	1500	1500	1500	1500	190000	250.000	160.000	30.000

¹⁴ Data to provide only if appropriate.

Disease^(a): BT8

Animal species: ovine

Region ^(b)	Total number of herds ^(c) in vaccination or treatment programme	Total number of animals in vaccination or treatment programme	Targets on vaccination or treatment programme					
			Number of herds ^(c) in vaccination or treatment programme	Number of herds ^(c) 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 ^(d) expected to be vaccinated	Number of young ^(d) animals expected to be vaccinated
LUX	800	800	800	800	10.000	10.000	5000	5000
Total	800	800	800	800	10.000	10.000	5000	5000

Disease^(a): BT8

Animal species: Caprine

Region ^(b)	Total number of herds ^(c) in vaccination or treatment programme	Total number of animals in vaccination or treatment programme	Targets on vaccination or treatment programme					
			Number of herds ^(c) in vaccination or treatment programme	Number of herds ^(c) 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 ^(d) expected to be vaccinated	Number of young ^(d) animals expected to be vaccinated
LUX	400	400	400	400	2000	2500	1500	500
Total	400	400	400	400	2000	2500	1500	500

(a) Disease and species if necessary

(b) Region as defined in the approved eradication programme of the Member State

(c) Herds or flocks or holdings as appropriate

(d) Only for Bovine brucellosis and Ovine, Caprine brucellosis (*B. melitensis*) as defined in the programme

7.3.2. *Targets on vaccination or treatment¹⁵ of wildlife*

Disease^(b):

Animal species:

Region ^(b)	Square km	Targets on the vaccination or treatment programme		
		Number of doses of vaccine or treatments expected to be administered in the campaign	Expected number of campaigns	Total number of doses of vaccine or treatment expected to be administered
Total				

(a) Disease and species if necessary

(b) Region as defined in the approved eradication programme of the Member State

¹⁵ Data to provide only if appropriate.

8. Detailed analysis of the cost of the programme (one table per year of implementation)

<i>Costs related to</i>	<i>Specification</i>	<i>Number of units</i>	<i>Unitary cost in €</i>	<i>Total amount in €</i>	<i>Community funding requested (yes/no)</i>
1. Testing					
<i>1.1. Cost of the analysis</i>	<i>Test: Elisa AB</i>	3500	6	21.000	Yes
	<i>Test: PCR</i>	1500	70	105.000	Yes
	<i>Test: virus isolation</i>	200	60	1.200	yes
<i>1.2. Cost of sampling</i>	<i>Prime d'étable</i>	100	25	2500	Yes
<i>1.3. Other costs</i>					
2. Vaccination or treatment					
<i>2.1. Purchase of vaccine/treatment</i>	<i>vaccins</i>	262.500	0.6	157.500	yes
<i>2.2. Distribution costs</i>		1	2500	2500	yes

2.3. Administering costs			262.500	2	525.000	yes
2.4. Control costs						
3. Slaughter and destruction						
3.1. Compensation of animals	bovin		50	1250	62500	yes
3.2. Transport costs						
3.3. Destruction costs	bovin		50	30	1500	yes
3.4. Loss in case of slaughtering						
3.5 Costs from treatment of products (milk, eggs, hatching eggs, etc)						
4. Cleaning and disinfection						

5. Salaries (staff contracted for the programme only)		1 (1/2 staff)	12 x 2500	30.000	yes
6. Consumables and specific equipment					
7. Other costs					
	<i>Entomological tests</i>	60	25	1500	
	TOTAL			910.200	

