



EUROPEAN COMMISSION  
HEALTH & CONSUMERS DIRECTORATE-GENERAL  
Unit 04 - Veterinary Control Programmes

SANCO/3760/2008

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

## Eradication programme of Ovine and Caprine Brucellosis

Approved\* for 2009 by Commission Decision 2008/897/EC

**Cyprus**

\* in accordance with Commission Decision 90/424/EEC





**REPUBLIC OF CYPRUS**

**CO-FINANCING REQUEST**

ACCORDING TO THE DOCUMENT SANCO/10522/2007 Rev. 2

FOR

**OVINE AND CAPRINE BRUCELLOSIS  
ERADICATION CAMPAIGN**

**FOR THE YEAR**

**2009**



**MINISTRY OF AGRICULTURE,  
NATURAL RESOURCES AND ENVIRONMENT  
VETERINARY SERVICES**

**EN**

**EN**



## 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)<sup>4</sup>**

### **1. Identification of the programme**

Member State: CYPRUS

Disease(s)<sup>5</sup>: Ovine and Caprine brucellosis

Request of Community co-financing for<sup>6</sup>: 2009

Reference of this document: 137/89/27 Brucellosis, 3/2003/A3

Contact (name, phone, fax, e-mail): Dr. Pavlos Toumazos

Tel.: 00357 22 805250

Fax: 00357 22 805176

E-mail: animal.health@vs.moa.gov.cy

Date sent to the Commission: 21<sup>st</sup> April 2008.

### **2. Historical data on the epidemiological evolution of the disease(s)<sup>7</sup>:**

The sheep & goat brucellosis eradication program is applied on the area controlled by the Veterinary Services of the Republic of Cyprus. The total sheep & goat population under the programme is estimated to 607, 992 animals (304,389 sheep and 303,612 goats), reared in 3,569 flocks. The sheep & goat population under the brucellosis eradication program is 544,940 animals (269,552 goats and 275,388 sheep) in 3,426 flocks.

According to the epidemiological data, from 2000 until April 2008, the prevalence and incidence of sheep & goat brucellosis in Cyprus have decreased and remain in low levels (see Graph 1).

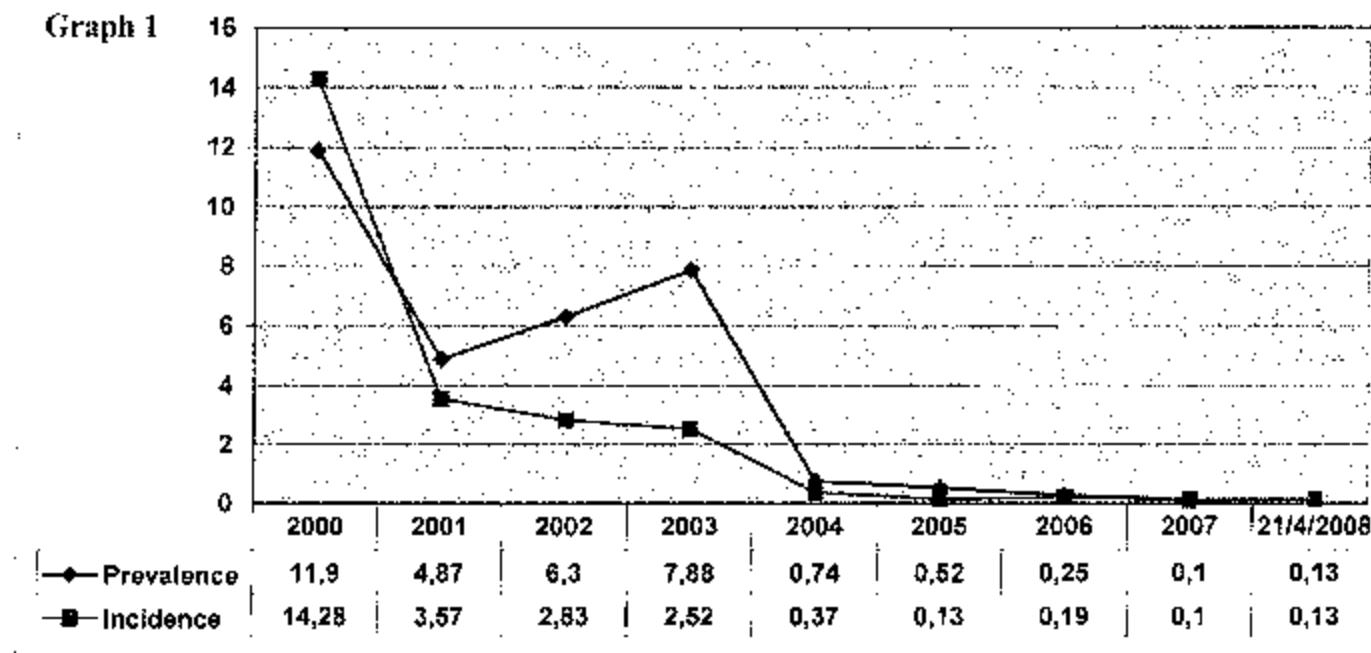
<sup>4</sup> In the case of the second and subsequent years of a multi-annual programme that has already been approved by a Commission Decision, only section 1, section 7 and section 8 need to be completed.

<sup>5</sup> One document per disease is used unless all measures of the programme on the target population are used for the monitoring, the control and eradication of different diseases.

<sup>6</sup> Indicate the year(s) for which co-financing is requested.

<sup>7</sup> 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 according distinct periods if the measures were substantially modified. The information is documented by relevant summary epidemiological tables, graphs or maps.

From 1999 until October 2004, United Nations Office for Project Services has funded the bicomunal sheep & goat brucellosis eradication program (UNOPS, Cont. No: WSH-PS03-4463). In 2004, 2005, 2006 and 2007 the EU has cofinanced the 50% of the programme.



### 3. Description of the submitted programme<sup>8</sup>:

The sheep & goat brucellosis eradication program is based on test and extended slaughter or killing of positive animals, implemented in the area controlled by the Veterinary Services of the Republic of Cyprus, concerning all small ruminants over 6 months old in farms for breeding and production. A percentage of 70.9% of the flocks under the program have been declared brucellosis officially free according to Dir 91/68 EEC, Annex A. The rest herds are under the procedure of granting the officially free status. All animals in not officially free herds are examined serologically every 6 months, while infected flocks are under monthly reexaminations and slaughtering of the positive animals. In officially free herds a percentage of animals are examined serologically once a year. According to the L.O.725/2003 treatment of infected animals with brucellosis and the use of vaccines are prohibited. As a positive case

8 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.

is defined a case when an animal reacts positively at Rose Bengal test and CFT test ( $> 20$  ICFTU).

#### **4. Measures of the submitted programme**

##### *4.1. Summary of measures under the programme*

Duration of the programme:

First year: 1999

- 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 stakeholders<sup>9</sup> involved in the programme:*

The Department of Veterinary Services, which belongs to the Ministry of Agriculture Environment and Natural Resources, is responsible for the application of the sheep & goat brucellosis eradication program. The Director of the Veterinary Services is responsible for the coordination of the whole program.

The five District Veterinary Offices with six District Veterinary Stations are responsible for the collection and the transport of the samples to the Laboratories, the information of the owners for the results, the epidemiological report in new outbreaks, the slaughter of the seropositive animals and the compensations and the disinfections of the infected farms.

---

<sup>9</sup> 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.

The 3 District Veterinary Laboratories under the supervision of the Central Laboratory are performing the RB test for samples coming from their area. The Central Veterinary Laboratory performs the RB test for one District. All RB positive samples are further processed in the Central Laboratory with CFT.

The Laboratories report all the results to the District Veterinary Offices and the Division of Animal Health and Welfare. The Division of Animal Health and Welfare keeps in a central database all the information about the progress of the program. A committee of three Veterinary Officers examines and evaluates the new outbreaks, the depopulations or the declaration as free of the infected herds taking into account the laboratory results and the epidemiological reports for each case. The committee reports to the Director who takes the final decision and gives instructions to the District Veterinary Officers to take the required actions.

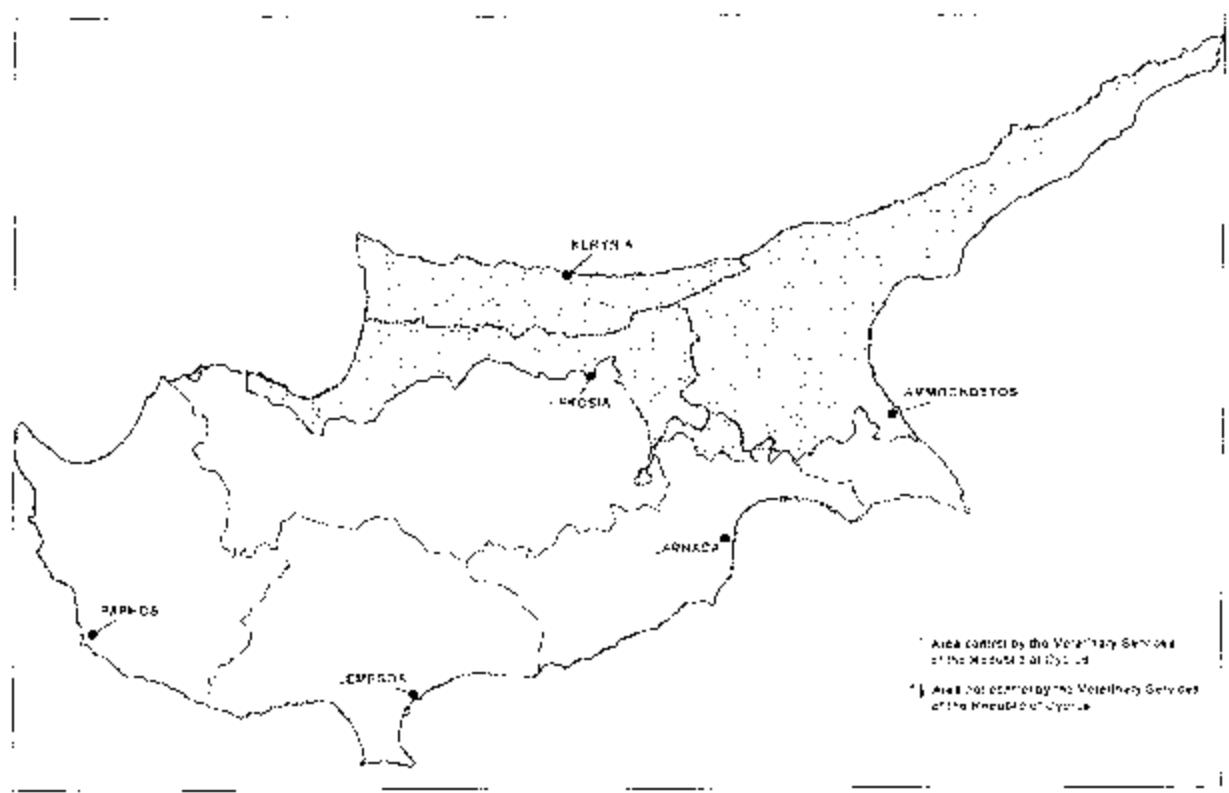
In every positive case the slaughterhouses and the dairy plants are informed.

#### *4.3. Description and delimitation of the geographical and administrative areas in which the programme is to be implemented<sup>10</sup>:*

The program is implemented in all the area controlled by the Veterinary Services of the Republic of Cyprus.

---

<sup>10</sup> 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<sup>11</sup>:

##### 4.4.1. Notification of the disease:

Brucellosis is a notifiable disease in Cyprus according to article 6 of the Law 109(I)2001. Any case of abortion or other symptoms related to brucellosis are compulsory notifiable to Veterinary Services of the Republic of Cyprus.

##### 4.4.2. Target animals and animal population:

All sheep and goats over 6 months old in breeding and production farms are involved in the programme.

##### 4.4.3. Identification of animals and registration of holdings:

<sup>11</sup> 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.

All sheep & goats are ear tagged on both ears with an individual identification code in accordance with L.O. 507/2004 and EU Reg. 21/2004.

The central authority has registered all sheep & goats flocks in the Republic of Cyprus and each has been allocated a unique herd number in accordance with L.O. 338/2000 and 399/2002.

#### 4.4.4. Qualifications of animals and herds<sup>12</sup>:

The programme for the qualification of the herds is based on the following legislation: 91/68 EEC, L.O. 725/2003 and 56/2005.

#### 4.4.5. Rules on the movement of animals:

All movements of animals should be reported and registered on a central database and are allowed only after a brucellosis negative serological examination.

Movements from infected herds are allowed after a special license and only for slaughtering in a certain slaughterhouse.

The central Database of the Animal Identification and Registration scheme enables tracing of any animal from the date of birth to the date of death or slaughter.

#### 4.4.6. Tests used and sampling schemes:

##### Serological tests:

Flock screening: Rose Bengal Test in all animals over 6 months old.

Confirmation: Complement Fixation Test, in all animals showing positive reaction to Rose Bengal.

---

<sup>12</sup>

To mention only if applicable.

Infected farms: Monthly screening of all animals over 6 months with Rose Bengal Test and Complement Fixation Test.

Microbiological or virological tests:

Samples: Milk samples from seropositive animals of new outbreaks (centrifugation and sampling from the cream and deposit)

Aborted fetuses (gastric content and lung)

Isolation: On Brucella medium incubating in 37°C with and without CO<sub>2</sub>

Confirmation on the species level: Dye of the colony with Gram and Stamp. Culture on Mc Conkey agar (lactose fermentation) and Blood agar (Haemolysis).

All animals in not officially free herds are examined serologically every 6 months, while infected flocks are under monthly reexaminations and slaughtering of the positive animals. In officially free herds a percentage of animals are examined serologically once a year.

The programme for the qualification of the flocks is based on the Directive 91/68/EEC.

#### 4.4.7. Vaccines used and vaccination schemes:

According to the L.O.725/2003 the use of vaccines are prohibited.

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

#### 4.4.9. Measures in case of a positive result<sup>13</sup>:

After a serologically confirmed positive result, the committee evaluates the new case taking also into account the data from the epidemiological report and informs the Director who finally gives instructions to the District Veterinary Officers for measures to be taken.

- a. The farm is placed under movement restriction

---

<sup>13</sup> 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.).

- b. The Organizations collecting the milk are notified to collect the milk from the infected farms in separate milk tanks for pasteurization.
- c. Seropositive sheep and goats are isolated from the other animals to be slaughtered in the designated slaughterhouse. In case it is decided that all the animals in the flock will be slaughtered, restocking is permitted after 6 months.
- d. Seropositive animals are valued before slaughter. Compensations 100% of the reproductive value are paid to owners.
- e. Dogs or other species of animals susceptible to brucellosis are also examined serologically.
- f. One month after the slaughter, all sheep and goats over six months old are reexamined serologically and any new seropositive animals are culled.
- g. The owners clean and disinfect their farms under the supervision of the Veterinary Services, which provides the disinfectant free.
- h. The pasture is buried or collected and disinfected in a place far from establishments

All the measures mentioned above are included in the following legislation:

1. The animal health laws (N. 109 (I)/2001 and N. 82(I)/2003)
2. The control of Brucellosis in sheep and goats order of 2003 (L.O. 725/2003)
3. The animal health (requirements governing the trade in ovine and caprine animals), regulations of 2005 (L.O. 56/2005)
4. Directive 91/68/ECC.

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

The owners are compensated for the 100% of the reproductive value of the animals confiscated. These animals include those giving a positive result either to Rose Bengal or to CFT or to both of them or in case of depopulation all the animals of the flock.

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

The progress of the programme performed by the District Veterinary Offices is controlled by the Animal Health and Welfare Division, that is responsible for preparing the reports sent to EC.

##### **5. Benefits of the programme<sup>14</sup>:**

The costs for the authorities include the money and time spent for the implementation of the program (materials for sampling, testing, transportation of workers, salaries, compensations, transportation of the confiscated animals, disinfections) and also the risk of people working for the program to be infected with brucellosis. In addition, the inconvenience (movement restriction, milk and manure treatment, threat of transmitting the disease to neighbouring farms) that the program creates to the farmers, leads to conflicts with the authorities and other farmers and interferes with the regular application of the program.

However, the benefits for the farmers and society overcome any costs because the assurance of animal and public health through the implementation of the program is very crucial. The eradication of the disease on the long run will increase the productivity of farms concerning milk and meat quantity and quality. Also, farmers and their families will not be under the continuous threat of being infected themselves.

---

<sup>14</sup>

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

## 6. Data on the epidemiological evolution during the last five years<sup>15</sup>

## 6.1. Evolution of the disease<sup>16</sup>

### *6.1.1. Data on herds(a) (one table per year and per disease/species)*

Year: 2003      Situation on Date:

Disease (b), Brucellosis		Animal species: Sheep & goats						INDICATORS			
Region(c)	Total number of herds(e)	Total number of herds under the programme	Number of herds checked(f)	Number of positive herds(g)	Number of new positive herds(h)	Number of herds depopulated	Number of positive herds that became negative after monthly reexamination(s) and slaughter of the positive animals	% herd coverage	% positive herds per herd prevalence	% new positive herds	Herd incidence
1	2	3	4	5	6	7	7A	8 (7.5)x100	9 -(4.3)x100	10 (5.4)x100	11-(6.4)x100
ALL REGIONS	4,041	4,007	4,007	279	64	19	141	6.81	100	6.96	1.59

<sup>15</sup> The data on the evolution of the disease are provided according the tables below where appropriate.

<sup>16</sup> No data to provide in case of rabbits.

**EN**

**EN**

**10**

Total	4,041	4,007	4,007	279	64	19	14	6.81	100	6,096	1.59
-------	-------	-------	-------	-----	----	----	----	------	-----	-------	------

Year: 2004      Situation on date:

Disease (b): Brucellosis		Animal species: Sheep & goats						INDICATORS		
Region <sup>(c)</sup>	Total number of herds <sup>(d)</sup>	Total number of herds under the programme	Number of herds checked <sup>(e)</sup>	Number of positive herds <sup>(f)</sup>	Number of new positive herds <sup>(g)</sup>	Number of herds depopulated	% positive herds depopulated	% herd coverage	% positive herds	Herd incidence
1	2	3	4	5	6	7	8 = (5/5)x100	9 = (3/3)x100	10 = (54/51)x100	11 = (6/4)x100
ALL REGIONS	4,160	4,059	4,059	30	6	9	30%	100%	0.74%	0.37%
Total	4,160	4,059	4,059	30	6	9	30%	100%	0.74%	0.37%

Year 2005

Situation on date:

Disease <sup>(b)</sup> : Brucellosis	Animal species: Sheep & goats			INDICATORS		
	Total number of herds <sup>(a)</sup>	Total number of herds under the programme	Number of positive herds <sup>(c)</sup>	Number of new positive herds <sup>(d)</sup>	% positive herds depopulated	% new positive herds
1	2	3	4	5	6	7
ALL REGIONS	4,152	4,025	3,094	16	4	1
					6.25%	7.7%
						0.22%
						0.13%
Total	4,152	4,025	3,094	16	4	1
					6.25%	7.7%
						0.22%
						0.13%

EN

12  
EN

Year: 2006      Situation on date:

Disease(s): Brucellosis      Animal species: Sheep & goats

Region <sup>a</sup>	Total number of herds <sup>c</sup>	Total number of herds under the programme	Number of herds checked <sup>c</sup>	Number of positive herds <sup>c</sup>	Number of new positive herds <sup>c,d</sup>	Number of herds depopulated	INDICATORS		
							% herd coverage	% positive herds	% new positive herds
1	3	3	4	5	6	7	8 - (7/3)100	9 = (45/100)	11 = (63%)100
All REGIONS	3.855	3.722	3.210	8	6	1	12.5%	86.2%	0.25%
Total	3.855	3.722	3.210	8	6	1	12.5%	86.2%	0.25%

**EN**

13

**EN**

**Year: 2007**

Situation on date:

**Disease<sup>(n)</sup>: Brucellosis**

Region <sup>(a)</sup>	Total number of herds <sup>(b)</sup>	<b>Animal species: Sheep &amp; goats</b>			<b>INDICATORS</b>		
		Total number of herds under the programme	Number of herds checked <sup>(c)</sup>	Number of positive herds <sup>(d)</sup>	Number of new positive herds <sup>(e)</sup>	Number of depopulated heads	% positive herds depopulated
1	2	3	4	5	6	7	
ALL REGIONS	3,583	3,439	2,946	3	3	0	
Total	3,583	3,439	2,946	3	3	0	
						0%	85.7%
						0%	0.10%
							0.10%

**EN**

14

**EN**

**Year:** 2008

**Situation on date:** 21/4/2008

**Disease(b): Brucellosis**

**Animal species: sheep & goats**

Region(s)	Total number of herds <sup>(c)</sup>	Total number of herds under the programme	Number of herds checked <sup>(e)</sup>	Number of positive herds <sup>(f)</sup>	Number of new positive herds <sup>(g)</sup>	Number of herds depopulated	% positive herds depopulated		% new positive herds	
							% herd coverage	% positive herds Period herd prevalence	% new positive herds	Herd incidence
1	2	3	4	5	6	7	$\frac{3}{2} = 150\%$	$\frac{1}{3} = 33.3\%$	$\frac{0}{2} = 0\%$	$0 \cdot 00\%$
ALL REGIONS	3,569	3,426	3,79	1	0	0	$\frac{3,79}{3,569} = 105\%$	$\frac{1}{3,79} = 26.7\%$	$\frac{0}{3,79} = 0\%$	$0 \cdot 13\%$
Total	3,569	3,426	3,79	1	0	0	$\frac{3,79}{3,569} = 105\%$	$\frac{1}{3,79} = 26.7\%$	$\frac{0}{3,79} = 0\%$	$0 \cdot 13\%$

**EN**

**15**

**EN**

*6.1.2. Data on animals (one table per year and per disease/species)*

Year: 2003

Situation on date:

**Disease<sup>(a)</sup>: Brucellosis**

<b>Animal species: Sheep &amp; goats</b>						<b>INDICATORS</b>		
Region <sup>(b)</sup>	Total number of animals <sup>(c)</sup>	Number of animals <sup>(d)</sup> tested under the programme	Number of animals <sup>(e)</sup> tested individually	Number of positive animals	Slaughtering	% coverage at animal level		% positive animals Animal prevalence
						Number of animals with positive result slaughtered or culled	Total number of animals slaughtered <sup>(f)</sup>	
1	2	3	4	5	6	7	8	9 (453x100)
ALL REGIONS	476,630	453,052	1,022,467	1,022,467	1,385	6,061	22,568	0.13
Total	476,630	453,052	1,022,467	1,022,467	1,385	6,061	22,568	0.13

(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 (e.g.: milk bulk tank tests).

(f) Include all positive animal slaughtered and also the negative animals slaughtered under the programme.

**EN**

**16**

**EN**

17  
**EN**

**EN**

Year: 2004

Situation on date:

Disease<sup>(a)</sup>: Brucellosis

		<u>Animal species: Sheep &amp; goats</u>				INDICATORS		
Region <sup>(b)</sup>	Total number of animals <sup>(c)</sup>	Number of animals to be tested under the programme <sup>(d)</sup>	Number of animals tested <sup>(e)</sup>	Number of positive animals <sup>(f)</sup>	Slaughtering	Total number of animals slaughtered <sup>(g)</sup>	% coverage at animal level <sup>(h)</sup>	% positive animals Animal prevalence
1	2	3	4	5	6	7	8	9
All REGIONS	552,601	506,428	506,428	506,428	212	212	100%	0.04%
Total	552,601	506,428	506,428	506,428	212	212	100%	0.04%

(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 (e.g.: milk bulk tank tests).

(f) Include all positive animal slaughtered and also the negative animals slaughtered under the programme.

EN

18

EN

19  
**EN**

**EN**

Year: 2005

Situation on date:

Disease<sup>(a)</sup>: Brucellosis

Animal species: Sheep & goats

Region <sup>(b)</sup>	Total number of animals <sup>(c)</sup>	Number of animals <sup>(d)</sup> tested		Number of positive animals <sup>(e)</sup>	Number of animals tested individually <sup>(f)</sup>	Slaughtering		Indicators	
		Number of animals to be tested under the programme	Number of animals <sup>(g)</sup> tested			Total number of animals slaughtered or culled	% coverage at animal level	Total number of animals slaughtered	% positive animals
1	2	3	4	5	6	7	8	9	10
All Regions	588,756	548,063	447,940	447,940	269	269	1,512	81,7%	0,06%
Total	588,756	548,063	447,940	447,940	269	269	1,592	81,7%	0,06%

(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 (e.g. milk bulk tank tests).

(f) Include all positive animal slaughtered and also the negative animals slaughtered under the programme.

**EN**

20

**EN**

**EN**

**EN**  
21

Year: 2006

Situation on date:

Disease<sup>(a)</sup>: Brucellosis

Animal species: Sheep & goats

Region <sup>(b)</sup>	Total number of animals <sup>(c)</sup> to be tested under the programme	Number of animals <sup>(d)</sup> tested	Number of animals <sup>(e)</sup> individually tested	Number of positive 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
1	2	4	5	6	7	8	94.4% (100)	10 (6.4)% 100
All regions	627,249	584,266	326,343	77	77	755	55.9%	0.02%
Total	627,249	584,266	326,343	77	77	755	55.9%	0.02%

(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 (e.g.: milk bulk tank tests).

(f) Include all positive animal slaughtered and also the negative animals slaughtered under the programme.

**EN**

22

**EN**

Year: 2007

Situation on date:

Disease (a): Brucellosis

Animal species: Sheep & goats

Region <sup>(b)</sup>	Total number of animals <sup>(c)</sup>	Number of animals <sup>(d)</sup> to be tested under the programme	Number of animals <sup>(e)</sup> tested individually <sup>(f)</sup>	Number of positive animals	Slaughtering		Indicators	
					Number of animals slaughtered or culled	Total number of animals slaughtered <sup>(g)</sup>	% coverage at animal level	% positive animals Animal prevalence
ALL REGIONS	620,106	570,829	243,700	3	6	7	8	9 (1.3)% 100 (0.64%) 100
Total	620,106	570,829	243,700	3	3	30	42.7%	0.001%

(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 (e.g.: milk bulk tank tests).

(f) Include all positive animal slaughtered and also the negative animals slaughtered under the programme.

EN

23

EN

**EN**

**24**

**EN**

Year: 21/4/2008

Situation on date:

Disease<sup>(a)</sup>: Brucellosis

Animal species: Sheep & goats

Region <sup>(b)</sup>	Total number of herds <sup>(c)</sup>	Number of animals <sup>(d)</sup> to be tested under the programme	Number of animals <sup>(e)</sup> tested individually <sup>(f)</sup>	Number of positive animals	Slaughtering		Indicators	
					Number of animals with positive result slaughtered or culled	Total number of animals slaughtered <sup>(g)</sup>	% coverage at animal level	% positive animals
1	2	3	4	5	6	7	8	9
ALL REGIONS	607,992	541,940	55,846	55,846	1	12	10.3%	0.002%
Total	607,992	544,940	55,846	55,846	1	12	10.3%	0.002%

(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 (e.g.: milk bulk tank tests).

(f) Include all positive animals slaughtered and also the negative animals slaughtered under the programme.

**EN**

**25**

**EN**

**EN**

**EN**

**26**

## 6.2. Stratified data on surveillance and laboratory tests

### 6.2.1. Stratified data on surveillance and laboratory tests (one table per year and per disease/species)

Year: 2004      Disease<sup>(a)</sup>: Brucellosis      Animal species/category: Sheep & goats

#### Description of the used serological tests:

Flock screening: Rose Bengal Test in all animals over 6 months old

Confirmation: Complement Fixation Test, in all animals showing positive reaction to Rose Bengal

In case a flock has animals over 5% reacting to Rose Bengal, all animals in the flock are examined with Complement Fixation Test

#### Description of the used microbiological or virological tests:

Samples: Milk samples from seropositive animals of new outbreaks (centrifugation and sampling from the cream and deposit)

Aborted fetuses (gastric content and lung)

Isolation: On Brucella medium incubating in 37°C with and without CO<sub>2</sub>

Confirmation on the species level: Dye of the colony with Giemsa and Stamp. Culture on Mc Conkey agar (lactose fermentation) and Blood agar (haemolysis).

#### Description of the other used tests:

Region <sup>(b)</sup>	Serological tests		Microbiological or virological tests		Other tests	
	Number of samples tested <sup>(c)</sup>	Number of positive samples <sup>(d)</sup>	Number of samples tested <sup>(e)</sup>	Number of positive samples <sup>(f)</sup>	Number of samples tested <sup>(g)</sup>	Number of positive samples <sup>(h)</sup>
MILK			MILK		FETUS	
All regions	540,364	212	56	22	128	0
Total	540,364	212	56	22	128	0

(a) Disease and animal species if necessary.

EN

27

EN

- (b) Region as defined in the approved eradication programme of the Member State.
- (c) Number of samples tested.
- (d) Number of positive samples.

**Year:** 2005      **Disease<sup>(a)</sup>:** Brucellosis

**Animal species/category:** Sheep & goats

**Description of the used serological tests:**

Flock screening: Rose Bengal Test in all animals over 6 months old

Confirmation: Complement Fixation Test, in all animals showing positive reaction to Rose Bengal

In case a flock has animals over 5% reacting to Rose Bengal, all animals in the flock are examined with Complement Fixation Test

**Description of the used microbiological or virological tests:**

Samples: Milk samples from seropositive animals of new outbreaks (centrifugation and sampling from the cream and deposit)  
Aborted fetuses (gastric content and lung)

Isolation: On Brucella medium incubating in 37°C with and without CO<sub>2</sub>  
Confirmation on the species level: Dye of the colony with Gram and Stamp. Culture on Mc Conkey agar (lactose fermentation) and Blood agar (haemolysis).

**Description of the other used tests:**

**Year:** 2005      **Disease<sup>(a)</sup>:** Brucellosis

Region <sup>(b)</sup>	Serological tests			Microbiological or virological tests			Other tests		
	Number of samples tested <sup>(c)</sup>	Number of positive samples <sup>(c)</sup>	Number of samples tested <sup>(c)</sup>	Milk	Milk	ELISA	ELISA	Number of positive samples <sup>(d)</sup>	Number of positive samples <sup>(d)</sup>
All regions	447,940	269	44	3	150	4	4		
Total	447,940	269	44	3	150	4	4		

**EN**

- (a) Disease and animal species if necessary.
- (b) Region as defined in the approved eradication programme of the Member State.
- (c) Number of samples tested.
- (d) Number of positive samples.

**Year:** 2006            **Disease<sup>(a)</sup>:** Brucellosis            **Animal species/category<sup>(b)</sup>:** Sheep & goats

**Description of the used serological tests:**

**Flock screening:** Rose Bengal Test in all animals over 6 months old

**Confirmation:** Complement Fixation Test, in all animals showing positive reaction to Rose Bengal

In case a flock has animals over 5% reacting to Rose Bengal, all animals in the flock are examined with Complement Fixation Test

**Description of the used microbiological or virological tests:**

Samples: Milk samples from seropositive animals of new outbreaks (centrifugation and sampling from the cream and deposit)  
Aborted fetuses (gastric content and lung)

Isolation: On Brucella medium incubating in 37°C with and without CO<sub>2</sub>

Confirmation on the species level: Dye of the colony with Gram and Stamp, Culture on Mc Conkey agar (lactose fermentation) and Blood agar (Haemolysis).

**Description of the other used tests:**

<b>Year:</b>	<b>Region<sup>(b)</sup></b>	<b>Disease<sup>(a)</sup>:</b> Brucellosis	Serological tests				Microbiological or virological tests				Other tests	
			Number of samples tested <sup>(c)</sup>	Number of positive samples <sup>(c)</sup>	Number of samples tested <sup>(c)</sup>	Number of positive samples <sup>(c)</sup>	Number of samples tested <sup>(c)</sup>	Number of positive samples <sup>(c)</sup>	Number of samples tested <sup>(c)</sup>	Number of positive samples <sup>(c)</sup>	FET/S	FET/S
2006	MILK											

**EN**

All RE-GIONS	326,343	77	5	0	21	0
Total	326,343	77	5	0	21	0
Disease and animal species if necessary						
(a) Region as defined in the approved eradication programme of the Member State.						
(b) Number of samples tested.						
(c) Number of positive samples.						

Year: 2007      Disease<sup>(a)</sup>: Brucellosis      Animal species/category<sup>(b)</sup>: Sheep & goats

Description of the used serological tests:

Flock screening: Rose Bengal Test in all animals over 6 months old

Confirmation: Complement Fixation Test, in all animals showing positive reaction to Rose Bengal

Infected farms: Monthly screening of all animals over 6 months with Rose Bengal Test and Complement Fixation Test.

Description of the used microbiological or virological tests:

Samples: Milk samples from seropositive animals of new outbreaks (centrifugation and sampling from the cream and deposit)

Aborted fetuses (gastric content and lung)

Isolation: On Brucella medium incubating in 37°C with and without CO<sub>2</sub>

Confirmation on the species level: Dye of the colony with Gram and Stamp, Culture on Mc Conkey agar (lactose fermentation) and Blood agar (haemolysis).

Description of the other used tests:

<u>Year:</u> 2007	<u>Disease<sup>(a)</sup>:</u> Brucellosis	<u>Animal species/category<sup>(b)</sup>:</u> Sheep & goats
Region <sup>(c)</sup>		
		Microbiological or virological tests
		Serological tests
		Other tests

**EN**

	Number of samples tested <sup>(a)</sup>	Number of positive samples <sup>(b)</sup>	Number of samples tested <sup>(c)</sup>	Number of positive samples <sup>(d)</sup>	Number of samples tested <sup>(e)</sup>	Number of positive samples <sup>(f)</sup>	Number of positive samples <sup>(g)</sup>
			MILK	MILK	FEUUS	FEUUS	FFUUS
All regions	243,700	3		0		0	
Total	243,700	3		0		0	

- (a) Disease and animal species if necessary.  
 (b) Region as defined in the approved eradication programme of the Member State.  
 (c) Number of samples tested.  
 (d) Number of positive samples.

Year: 21/4/2008      Disease<sup>(a)</sup>: Brucellosis

Description of the used serological tests:

Block screening: Rose Bengal Test in all animals over 6 months old

Confirmation: Complement Fixation Test, in all animals showing positive reaction to Rose Bengal

Infected farms: Monthly screening of all animals over 6 months with Rose Bengal Test and Complement Fixation Test.

Description of the used microbiological or virological tests:

Samples: Milk samples from seropositive animals of new outbreaks (centrifugation and sampling from the cream and deposit)

Aborted fetuses (gastric content and lung)

Isolation: On Brucella medium incubating in 37°C with and without CO<sub>2</sub>

Confirmation on the species level: Dye of the colony with Gram and Stamp. Culture on Mc Conkey agar (lactose fermentation) and Blood agar (Haemolysis).

Description of the other used tests:

EN

31

EN

**Year:** 21/4/2008

**Disease<sup>(a)</sup>: Brucellosis**

Region <sup>(b)</sup>	Animal species/category <sup>(b)</sup> : Sheep & goats					
	Serological tests		Microbiological or virological tests		Other tests	
	Number of samples tested <sup>(c)</sup>	Number of positive samples <sup>(d)</sup>	Number of positive samples <sup>(d)</sup>	Number of positive samples <sup>(d)</sup>	Number of samples tested <sup>(c)</sup>	Number of positive samples <sup>(d)</sup>
ALL REGIONS	55,846	1	1	0	21	0
Total	55,846	1	1	0	21	0

(a) Disease and animal species if necessary.

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

(c) Number of samples tested.

(d) Number of positive samples.

**EN**

**32**

**EN**

**6.3. Data on infection (one table per year and per disease/species)**

**Year: 1999-4/2008**

**Disease<sup>(a)</sup>: Brucellosis**

Region <sup>(b)</sup> CYPRUS		Number of herds infected <sup>(c)</sup>					Number of animals infected	
YEAR	New outbreaks	Infected herds during the year	Declarer free	Depopulated	Remaining	At the end of the year		
1999	8	8	0	2	6	195		
2000	36	42	0	5	37	895		
2001	13	50	24	6	20	1153		
2002	232	252	6	31	215	3006		
2003	64	279	141	19	119	1385		
2004	16	135	97	8	30	212		
2005	4	34	19	1	14	269		
2006	6	20	14	1	5	77		
2007	3	8	5	0	3	3		
21/4/2008	1	4	2	0	2	1		

- (a) Disease and animal species if necessary.
- (b) Region as defined in the eradication programme of the Member State.

**EN**

**33**

**EN**

(c) Herds or flocks or holdings as appropriate.

34  
**EN**

**EN**

#### 6.4. Data on the status of herds at the end of each year<sup>17</sup>

Region <sup>b)</sup>	Disease <sup>(a)</sup> : Brucellosis			Animal species: Sheep & goats								
	Total number of herds and animals under the programme			Status of herds and animals under the programme <sup>c)</sup>			Free or officially free suspended <sup>(g)</sup>			Free <sup>(h)</sup>		
	Herd <sup>d)</sup>	Animals <sup>d)</sup>	Herds	Animals <sup>d)</sup>	Herds	Animals <sup>d)</sup>	Herds	Animals <sup>d)</sup>	Herds	Animals <sup>d)</sup>	Herds	Animals <sup>d)</sup>
ALL REGIONS	4,059	506,428	0	0	7	3,410	2,392	361,278	2,389	361,052	3	226
Total	4,059	506,428	0	0	7	3,410	2,392	361,278	2,389	361,052	3	226

(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 in Community or national legislation for the respective disease at the end of the reporting period.  
 (h) Free herd as defined in Community or national legislation for the respective disease.

<sup>17</sup> Only data to provide for bovine tuberculosis, bovine brucellosis, ovine and caprine brucellosis (*B. melitensis*), enzootic bovine leucosis (EBL) and Aujeszky's disease.

EN

35

EN

- (O) Officially free herd as defined in Community or National legislation for the respective disease .
- (O) Include animals under the programme in the herds with the referred status (left column).

**EN**

36

**EN**

Year: 2005		Disease <sup>(a)</sup> : Brucellosis		<u>Animal species:</u> Sheep & goats			
Region <sup>(b)</sup>	Total number of herds and animals under the programme	Status of herds and animals under the programme <sup>(c)</sup>					
		Unknown <sup>(d)</sup>	Not free or not officially free	Last check positive <sup>(e)</sup>	Free or officially free suspended <sup>(f)</sup>	Free <sup>(g)</sup>	Officially free <sup>(h)</sup>
		Herd <sup>(i)</sup>	Animals <sup>(i)</sup>	Herd <sup>(i)</sup>	Animals <sup>(i)</sup>	Herd <sup>(i)</sup>	Animals <sup>(i)</sup>
ALL REGIONS	4,025	548,063	0	0	2	82	1,818
Total	4,025	548,063	0	0	2	82	1,818
(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 in Community or national legislation for the respective disease at the end of the reporting period.							
(h) Free herd as defined in Community or national legislation for the respective disease.							
(i) Officially free herd as defined in Community or National legislation for the respective disease.							
(j) Include animals under the programme in the herds with the referred status (left column).							

- (a) Region as defined in the approved eradication programme of the Member State
- (b) At the end of the year
- (c) 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 in Community or national legislation for the respective disease at the end of the reporting period.
- (h) Free herd as defined in Community or national legislation for the respective disease.
- (i) Officially free herd as defined in Community or National legislation for the respective disease.
- (j) Include animals under the programme in the herds with the referred status (left column).

EN

37

EN

**Year: 2006**      **Disease<sup>(a)</sup>: Brucellosis**

		Animal species: Sheep & goats									
		Status of herds and animals under the programme <sup>(c)</sup>									
Region <sup>(b)</sup>	Total number of herds and animals under the programme	Unknown <sup>(d)</sup>		Not free or not officially free		Free or officially free suspended <sup>(e)</sup>		Free <sup>(f)</sup>		Officially free <sup>(g)</sup>	
		Herd <sup>(h)</sup>	Animals <sup>(i)</sup>	Herd <sup>(h)</sup>	Animals <sup>(j)</sup>	Herd <sup>(h)</sup>	Animals <sup>(j)</sup>	Herd <sup>(h)</sup>	Animals <sup>(j)</sup>	Herd <sup>(h)</sup>	Animals <sup>(j)</sup>
All Regions	3,722	584,266	0	0	2	262	1,457	253,056	516	-	2,258
Total	3,722	584,266	0	1	0	2	262	1,457	253,056	516	-

(a) Disease and species if necessary

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 in Community or national legislation for the respective disease at the end of the reporting period.
- (h) Free herd as defined in Community or national legislation for the respective disease.
- (i) Officially free herd as defined in Community or National legislation for the respective disease .
- (j) Include animals under the programme in the herds with the referred status (first column).

**EN**

Region <sup>(a)</sup>	Year: 2007			Disease <sup>(b)</sup> : Brucellosis			Animal species: Sheep & goats		
							Status of herds and animals under the programme <sup>(c)</sup>		
	Total number of herds and animals under the programme		Unknown <sup>(d)</sup>	Not free or not officially free		Free or officially free suspended <sup>(e)</sup>			
	Herd <sup>(f)</sup>	Animals <sup>(g)</sup>		Last check positive <sup>(h)</sup>	Last check negative <sup>(i)</sup>				
ALL REGIONS	3,439	570,429	0	0	0	1,134	204,817	\$	1,073
Total	3,439	570,429	0	0	0	1,134	204,817	\$	1,073

(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 in Community or national legislation for the respective disease at the end of the reporting period.

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

(i) Officially free herd as defined in Community or National legislation for the respective disease.

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

Year: 21/4/2008

Disease<sup>(a)</sup>: Brucellosis

Animal species: Sheep & goats

Region <sup>(b)</sup>	Total number of herds and animals under the programme			Status of herds and animals under the programme <sup>(c)</sup>						Free or officially free suspended <sup>(e)</sup>		
	Unknown <sup>(d)</sup>			Not free or not officially free			Free or officially free suspended <sup>(e)</sup>			Free <sup>(f)</sup>		
	Herd <sup>(g)</sup>	Animals <sup>(h)</sup>	Herd <sup>(i)</sup>	Animals <sup>(j)</sup>	Herd <sup>(g)</sup>	Animals <sup>(h)</sup>	Herd <sup>(i)</sup>	Animals <sup>(j)</sup>	Herd <sup>(g)</sup>	Animals <sup>(h)</sup>	Herd <sup>(i)</sup>	Animals <sup>(j)</sup>
ALL REGIONS	3,426	544,940	0	0	0	0	993	162,756	4	1,030	-	-
Total	3,426	544,940	0	0	0	0	993	162,756	4	1,030	-	-

(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 in Community or national legislation for the respective disease at the end of the reporting period.

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

(i) Officially free herd as defined in Community or National legislation for the respective disease.

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

**EN**

40

**EN**

## 6.5. Data on vaccination or treatment programmes<sup>18</sup> NOT APPLICABLE

<u>Year:</u>	<u>Disease<sup>(a)</sup>:</u>	<u>Animal species:</u>
--------------	-------------------------------	------------------------

Description of the used vaccination, therapeutic or other scheme:

18 Data to provide only if vaccination has been carried out.

Total	[ ]	[ ]	[ ]
Disease and species if necessary	[ ]	[ ]	[ ]
(a) Region as defined in the approved eradication programme of the Member State	[ ]	[ ]	[ ]
(b) Herds equal flocks, or holdings as appropriate	[ ]	[ ]	[ ]
(c) Only for Bovine brucellosis and Ovine and caprine brucellosis ( <i>B. melitensis</i> ) and as defined in the programme	[ ]	[ ]	[ ]

- (a) Disease and species if necessary
- (b) Region as defined in the approved eradication programme of the Member State
- (c) Herds equal flocks, or holdings as appropriate
- (d) Only for Bovine brucellosis and Ovine and caprine brucellosis (*B. melitensis*) and as defined in the programme

**EN**

**EN**  
42

## 6.6. Data on wildlife<sup>19</sup> NO DATA

### **6.6.1. Estimation of wildlife population**

- The hunting bag is considered to be the standard method of estimation. If other method is used, explain  
 (a) Region as defined in the approved eradication programme of the Member State

<sup>19</sup> Data only to provide in case the programme comprises measures as regards wildlife or if the data are epidemiologically relevant for the disease.

*6.6.2. Monitoring of wildlife (one table per year and per disease/species)*

Year: \_\_\_\_\_ Disease<sup>(a)</sup>: \_\_\_\_\_

Animal species: \_\_\_\_\_

Description of the used serological tests:

Description of the used microbiological or virological tests:

Description of the other used tests:

Region <sup>(b)</sup>	Microbiological or virological tests		Serological tests		Other tests	
	Number of samples tested	Number of positive samples	Number of samples tested	Number of positive samples	Number of samples tested	Number of positive samples
Total						

(a) Disease and species if necessary

**EN**

44

**EN**

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

**EN**

45

**EN**

**6.6.3. Data on vaccination or treatment of wildlife**

**Year:** \_\_\_\_\_ **Disease<sup>(a)</sup>:** \_\_\_\_\_

**Animal species:** \_\_\_\_\_

**Description of the used vaccination, therapeutic or other scheme:** \_\_\_\_\_

Region <sup>(b)</sup>	Square km	Targets on the vaccination or treatment programme	
		Number of doses of vaccine or treatment to be administered	Number of campaigns
Total			

**EN**

46

**EN**

- (a) Disease and species if necessary
- (b) Region as defined in the approved eradication programme of the Member State

**EN**

47

**EN**

## 7. Targets

### 7.1. Targets related to testing

#### 7.1.1. Targets on diagnostic tests

Disease <sup>(a)</sup> : Brucellosis		Animal species: Sheep & goats			
Region <sup>(b)</sup>	Type of the test <sup>(c)</sup>	Target population <sup>(d)</sup>	Type of sample <sup>(e)</sup>	Objective <sup>(f)</sup>	Number of planned tests
All Regions	Rose Bengal TEST	All animals over six months of negative flocks All animals over six months old in positive flocks (re-examinations) Maintenance of the status officially free	Serum	Surveillance and monitoring of infected flocks	300,000
	COMPLEMENT FIXATION TEST Screening CFT	Titration (CFT)	Serum	Surveillance and monitoring of infected flocks	100 3,000
Cultures		New outbreaks (milk), aborted fetuses	Milk, fetuses	Confirmation, surveillance	100
				Total	303,200

- (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, ...)

EN

48

EN

### 7.1.2 Targets on testing herds and animals<sup>20</sup>

#### 7.1.2.1 Targets on the testing of herds<sup>(a)</sup>

##### Disease<sup>(b)</sup>: Brucellosis

Region <sup>(c)</sup>		Animal species: Sheep & goats				TARGET INDICATORS						
Region <sup>(c)</sup>	Total number of herds <sup>(d)</sup>	Total number of herds under the programme	Number of herds expected to be checked <sup>(e)</sup>	Number of positive herds <sup>(f)</sup>	Number of expected new positive herds <sup>(g)</sup>	Number of herds expected to be depopulated	% positive herds expected to be depopulated	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% <sup>(h)</sup> 190	9 (1.3%) <sup>(i)</sup> 30	10 = 5.5% <sup>(j)</sup> 190	11 16.5% <sup>(k)</sup> 190		
All Regions	3,569	3,426	3,426	4	3	4	100%	100%	0.09%	0.12%		
Total	3,569	3,426	3,426	4	3	4	100%	100%	0.09%	0.09%	0.12%	

(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 should not be counted twice even if 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.

<sup>20</sup> Data not to provide in case of rabies.

### 7.1.2.2. Targets on the testing of animals

Animal species: Sheep & goats

Region <sup>(b)</sup>	Total number of animals <sup>(c)</sup>	Number of animals <sup>(d)</sup> under the programme	Number of animals <sup>(e)</sup> expected to be tested	Number of animals to be individually <sup>(f)</sup> tested	Number of expected positive animals	Slaughtering		TARGET INDICATORS	
						Total number of animals expected to be slaughtered	Expected % coverage at animal level	% positive animals (Expected animal prevalence)	
1	2	3	4	5	6	7	8	9	10
ALL REGIONS	607,992	544,940	300,000	300,000	10	10	0.44% <sup>(g)</sup>	10 (0.4%) <sup>(h)</sup>	
									0.013%
Total	607,992	544,940	300,000	300,000	10	10	0.44% <sup>(g)</sup>	10 (0.4%) <sup>(h)</sup>	0.013%

- (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 (e.g.: milk bulk tank tests).

(f) Include all positive animal slaughtered and also the negative animals slaughtered under the programme.

## 7.2. Targets on qualification of herds and animals<sup>21</sup>

Disease <sup>(b)</sup> ; Brucellosis		Animal species: Sheep & goats									
		Region <sup>(b)</sup>		Total number of herds and animals under the programme		Expected unknown <sup>(d)</sup>		Targets on the status of herds and animals under the programme <sup>(c)</sup>		Expected free from disease <sup>(a)</sup>	
				Herd	Animals <sup>(e)</sup>	Herd	Animals <sup>(e)</sup>	Last check positive <sup>(e)</sup>	Last check negative <sup>(f)</sup>	Herd	Animals <sup>(g)</sup>
1		2	3	4	5	6	7	8	9	10	11
ALL REGIONS		3,426	544,940	0	0	0	0	421	93,940	5	1,000
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 or according national legislation										

<sup>21</sup> Data to provide for bovine tuberculosis, bovine brucellosis, ovine and caprine brucellosis (*B. melitensis*), enzootic bovine leukosis (EBL) and Ajleszky's disease.

EN

51

EN

- (i) include animals under the programme in the herds with the referred status (left column)

**EN**

52

**EN**

### 7.3. Targets on vaccination or treatment NOT APPLICABLE

### 7.3.1. Targets on vaccination or treatment<sup>22</sup>

### Disease and species if necessary

Region as defined in the annexes to the Treaty of the European Union.

Herds equal flocks or herds are appropriate

Only for Bovine brucellosis and Ovine and caprine brucellosis (*B. melitensis*) and as defined in the programme  
for as equal access, or non-discrimination.

Data to provide only if appropriate.

**EN**

**EN**

54

### 7.3.2. Targets on vaccination or treatment<sup>25</sup> of wildlife

103

Animal species:

(a) Disease and species if necessary

Region as defined in the approved eradication programme of the Member State  
that species is necessary.

<sup>21</sup> Data to provide only if appropriate.

**EN**

**56**

**EN**

**8. Detailed analysis of the cost of the programme**

<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>
<b>1. Testing</b>					
<b>1.1. Cost of the analysis</b>					
Test: ROSE BENGAL TEST		300,000	0.25	75,000	yes
Test: COMPLEMENT FIXATION TEST screening		3,000	2.12	6,360	yes
COMPLEMENT FIXATION TEST titration		100	3.48	348	yes
Test: CULTURES		100	3	300	yes
Serum sampling tubes		300,000	0.15	45,000	yes
Needles		300,000	0.1	30,000	yes
1.3. Other costs					
<b>2. Vaccination or treatment</b>					
<b>2.1. Purchase of vaccine/treatment</b>					
<b>2.2. Distribution costs</b>					
<b>2.3. Administering costs</b>					

<b>2.4. Control costs</b>				
<b>3. Slaughter and destruction</b>				
<b>3.1. Compensation of animals</b>	800	150	120.000	yes
<b>3.2. Transport costs</b>	800	2	1.600	yes
<b>3.3. Destruction costs</b>				
<b>3.4. Loss in case of slaughtering</b>				
<b>3.5. Costs from treatment of products (milk, eggs, hatching eggs, etc)</b>				
<b>4. Cleaning and disinfection</b>	300 lt	3,5	1.050	yes
<b>5. Salaries (staff contracted for the</b>				

