



EUROPEAN COMMISSION
HEALTH & CONSUMERS DIRECTORATE-GENERAL

Unit 04 - Veterinary Control Programmes

SANCO/12864/2010

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

Eradication programme of Bovine Brucellosis

Approved* for 2011 by Commission Decision 2010/712/EU

Cyprus

* in accordance with Council Decision 2009/470/EC



REPUBLIC OF CYPRUS

CO-FINANCING REQUEST

ACCORDING TO DECISION 425/2008

FOR

BOVINE BRUCELLOSIS ERADICATION CAMPAIGN

FOR THE YEAR

2011



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

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 I(a)¹

1. Identification of the programme

Member State: Cyprus

Disease(s)²: Bovine brucellosis

Request of Community co-financing for³: 2011

Reference of this document: 137/89/28 Brucellosis, 3/2003/A4

Contact (name, phone, fax, e-mail): Dr. George Christofi

Tel.: 00357 22 805250

Fax: 00357 22 805176

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

Date sent to the Commission: 30nd April 2010.

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

The bovine brucellosis eradication program is applied on the area controlled by the Veterinary Services of the Republic of Cyprus. The total bovine population is estimated to 55,035 animals, reared in 355 herds. The bovine population under the brucellosis eradication program is 38,366 animals in 328 herds.

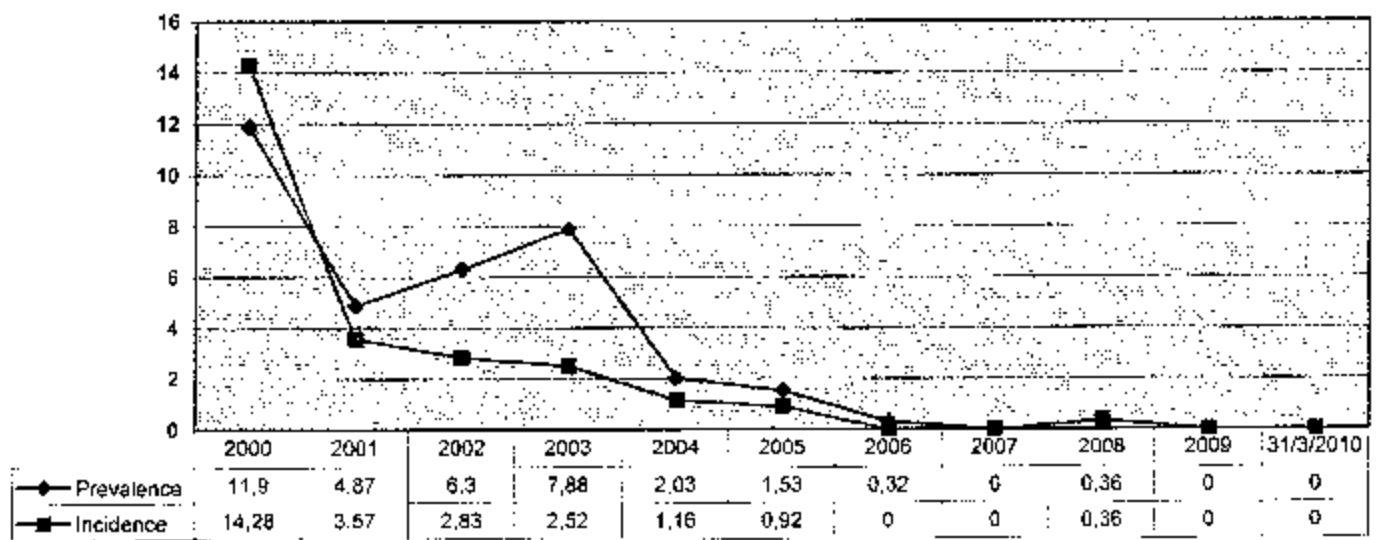
According to the epidemiological data, from 2000 until April 2010, the prevalence and incidence of bovine brucellosis in Cyprus have decreased and reached zero level (see Graph 1).

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



Graph 1

From 1/1/2002 until October 2004, United Nations Office for Project Services has funded the bicomunal bovine brucellosis eradication program (UNOPS, Cont. No: WSI-PS03-4463). In 2004, 2005, 2006, 2007, 2008 and 2009 the EU has cofinanced the 50% of the programme.

Description of the submitted programme⁵:

The bovine brucellosis eradication program is based on a 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 bovine animals over 12 months old. Also, there is a program of declaration of farms as brucellosis officially free. Until now 254 farms have been declared officially free. The rest herds are under the procedure of granting the officially free status. According to the article 7 of the L.O.14/2002 treatment of infected animals with brucellosis and the use of vaccines are prohibited. As a positive case is defined a case when an animal reacts positively at Rose Bengal test and CFT test (> 20 ICFTU).

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: 2002

Last year:

Control

Eradication

Testing

Testing

Slaughter of animals tested positive

Slaughter of animals tested positive

Killing of animals tested positive

Killing of animals tested positive

Vaccination

Extended slaughter or killing

Treatment

Disposal of products

Disposal of products

Eradication, control or monitoring.

Other measures (*specify*):

4.2. Organisation, supervision and role of all stakeholders⁶ 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 bovine 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.

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 bulk milk ELISA test is performed in the Central Laboratory.

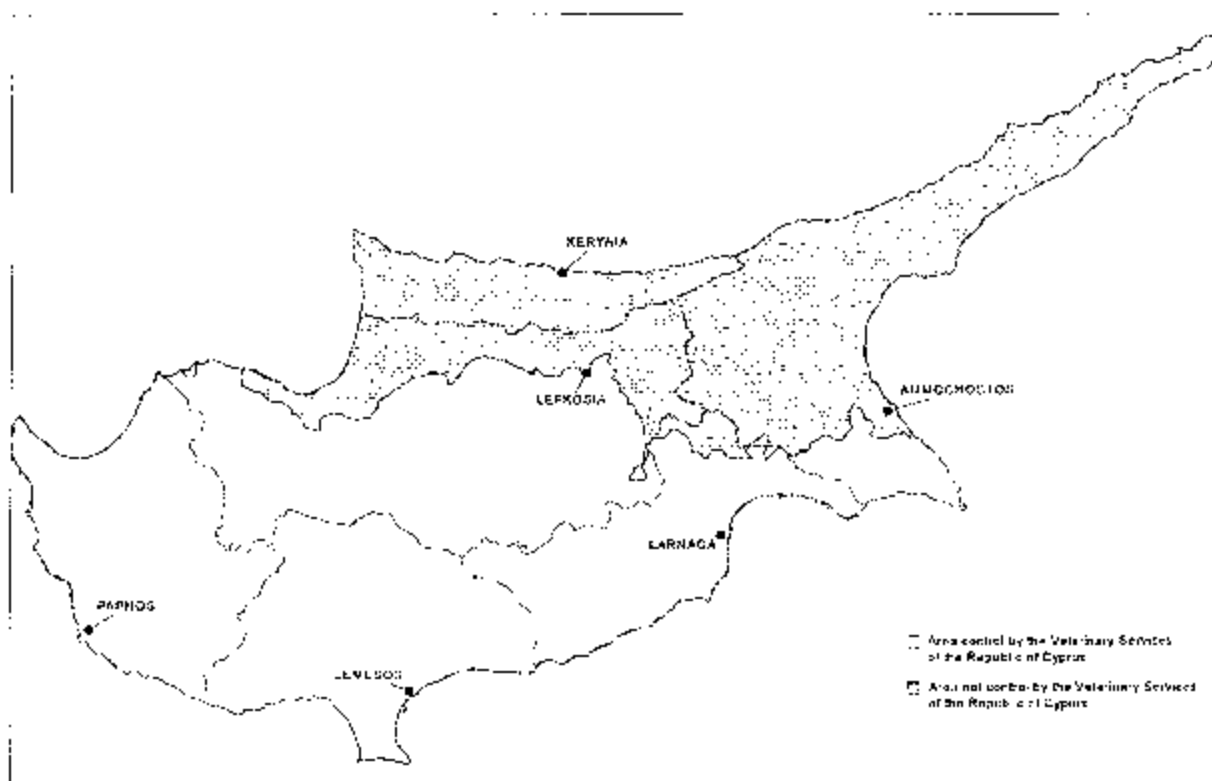
⁶ Describe the authorities in charge of supervising and coordinating the departments responsible for implementing the programme and the different operators involved. Describe the responsibilities of all involved.

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 demarcation of the geographical and administrative areas in which the programme is to be implemented⁷:

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



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 programme⁸:

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 bovine animals over 12 months old in breeding and production farms are involved in the programme.

4.4.3. Identification of animals and registration of holdings:

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

All bovine animals are ear tagged on both ears with an individual identification code in accordance with L.O. 508/2004 and EU Reg. 1760/2000.

A 10% of the establishments are randomly inspected according to Regulation 1760/2000.

4.4.4. Qualifications of animals and herds⁹:

The programme for the qualification of the herds is based on the following legislation: 64/432/EEC, L.O. 724/2003 and 160/2005.

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.

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.

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:

Dairy Farms: Confirmation of a positive bulk milk ELISA test with Rose Bengal and Complement Fixation Test in all animals over 12 months old

Farms with less than 10 individuals over 12 months old: Screening test: Rose Bengal Test and confirmation with Complement Fixation Test

Infected farms: Monthly screening of all animals over 12 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 CO₂

Description of the other used tests: -

Dairy Farms: Screening test: bulk milk ELISA 4 times per year

All animals in not officially free herds are examined serologically every 12 months, while infected herds are under monthly reexaminations and slaughtering of the positive animals. In officially free herds animals are examined serologically once a year or are tested with bulk milk ELISA at least 3 times per year.

The programme for the qualification of the herds is based on the Directive 64/432/EEC.

4.4.7. Vaccines used and vaccination schemes:

⁹ To mention only if applicable.

According to the L.O.724/2003 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 result¹⁰:

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.
- b. The Organizations collecting the milk are notified to collect the milk from the infected farms in separate milk tanks for pasteurization.
- c. Seropositive bovines are isolated from the other animals to be slaughtered in the designated slaughterhouse. In case it is decided that all the animals in the herd 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 bovine over twelve months old are reexamined serologically.
- g. Serological reexamination of the confirmed positive herds is performed every month, and the seropositive bovines are culled.
- h. The owners clean and disinfect their farms under the supervision of the Veterinary Services, which provides the disinfectant free.
- i. 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, N. 82(I)/2003 and 116(I)/2007)

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.).

2. The control of Brucellosis, Tuberculosis and Enzootic Leucosis of cattle orders of 2002 and 2003 (L.O. 14/2002 and L.O. 724/2003)
3. The animal health (requirements governing the trade in bovine and porcine animals), regulations of 2002 and 2005 (L.O. 464/2002 and L.O. 160/2005)
4. Directive 64/432 EEC.

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**¹¹:

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.

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

6. Data on the epidemiological evolution during the last five years¹⁵

6.1. Evolution of the disease (¹⁶)

6.1.1 Data on herds^(b) (one table per year and per disease/species)

Year: 2005 **Situation on date:**

Disease^(b): **Brucellosis** **Animal species:** **Bovine**

| Region ^(a) | Total number of herds ^(a) | Total number of herds under the programme (b) | Number of herds checked ^(c) | Number of positive herds ^(d) | Number of new positive herds ^(e) | Number of herds depopulated | % positive herds depopulated | INDICATORS | | |
|-----------------------|--------------------------------------|---|--|---|---|-----------------------------|------------------------------|-----------------|--|--|
| | | | | | | | | % herd coverage | % positive herds Period herd prevalence | % new positive herds Herd incidence |
| 1 | 2 | 1 | 4 | 5 | 6 | 7 | 8 (7.5%)(100) | 9 (14.2)(100) | 10 = (5.4)(100) | 11 = (9.4)(100) |
| ALL REGIONS | 355 | 334 | 327 | 5 | 3 | 0 | 0% | 98% | 1.53% | 0.92% |
| Total | 355 | 334 | 327 | 5 | 3 | 0 | 0% | 98% | 1.53% | 0.92% |

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

(b) Disease and animal species if necessary.

(c) Region as defined in the 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 or upgrading, 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 animal tested positive in this period.

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

¹⁶ No data to provide in case of rabies.

Year: 2006 Situation on date:

Disease^(a): Brucellosis Animal species: Bovine

| Region ^(a) | Total number of herds ^(b) | Total number of herds under the programme (H) | Number of herds checked ^(c) | Number of positive herds ^(c) | Number of new positive herds ^(d) | Number of herds depopulated | % positive herds depopulated | INDICATORS | | |
|-----------------------|--------------------------------------|---|--|---|---|-----------------------------|------------------------------|-----------------|---|-------------------------------------|
| | | | | | | | | % herd coverage | % positive herds Period herd prevalence | % new positive herds Herd incidence |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 (5/3x100) | 9 = (4/3x100) | 10 (5/3x100) | 11 (6/3x100) |
| ALL REGIONS | 349 | 326 | 312 | 1 | 0 | 0 | 0% | 96% | 0.32% | 0% |
| Total | 349 | 326 | 312 | 1 | 0 | 0 | 0% | 96% | 0.32% | 0% |

Year: 2007

Situation on date:

Disease^(b):

Brucellosis

Animal species: Bovine

| Region ^(a) | Total number of herds ^(b) | Total number of herds under the programme (c) | Number of herds checked ^(c) | Number of positive herds ^(b) | Number of new positive herds ^(c) | Number of herds depopulated | % positive herds depopulated | INDICATORS | | |
|-----------------------|--------------------------------------|---|--|---|---|-----------------------------|------------------------------|-----------------|---|-------------------------------------|
| | | | | | | | | % herd coverage | % positive herds Period herd prevalence | % new positive herds Herd incidence |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 = (7/5)x100 | 9 = (4/3)x100 | 10 = (5/3)x100 | 11 = (6/4)x100 |
| ALL REGIONS | 153 | 330 | 289 | 0 | 0 | 0 | 0% | 87.6% | 0% | 0% |
| Total | 153 | 330 | 289 | 0 | 0 | 0 | 0% | 87.6% | 0% | 0% |

Year: 2008

Situation on date:

Disease^(b):

Brucellosis

Animal species: Bovine

| Region ^(c) | Total number of herds ^(a) | Total number of herds under the programme (b) | Number of herds checked ^(c) | Number of positive herds ^(d) | Number of new positive herds ^(e) | Number of herds depopulated | % positive herds depopulated | INDICATORS | | |
|-----------------------|--------------------------------------|---|--|---|---|-----------------------------|------------------------------|-----------------|--------------------------------------|---|
| | | | | | | | | % herd coverage | % positive herds per herd prevalence | % new positive herds per herd incidence |
| 1 | 2 | 2 | 4 | 5 | 6 | 7 | 8 = (7/5) x 100 | 9 = (4/2) x 100 | 10 = (5/4) x 100 | 11 = (6/4) x 100 |
| ALL REGIONS | 343 | 320 | 284 | 3 | 1 | 0 | 0% | 88.8% | 0.36% | 0.36% |
| Total | 343 | 320 | 284 | 3 | 1 | 0 | 0% | 88.8% | 0.36% | 0.36% |

Year: 2009

Situation on date: 2009

Disease^(b):

Brucellosis

Animal species: Bovine

| Region ^(a) | Total number of herds ^(a) | Total number of herds under the programme (b) | Number of herds checked ^(c) | Number of positive herds ^(c) | Number of new positive herds ^(c) | Number of herds depopulated | % positive herds depopulated | INDICATORS | | |
|-----------------------|--------------------------------------|---|--|---|---|-----------------------------|------------------------------|-----------------|--|--|
| | | | | | | | | % herd coverage | % positive herds Period herd prevalence | % new positive herds Herd incidence |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 (75/N*100) | 9 = (453/100) | 10 = (54/100) | 11 (65/N*100) |
| A.J. REGIONS | 346 | 322 | 204 | 0 | 0 | 0 | 0% | 91.3% | 0% | 0% |
| Total | 346 | 322 | 204 | 0 | 0 | 0 | 0% | 91.3% | 0% | 0% |

Year: 2010

Situation on date: 31/3/2010

Disease^(b): Brucellosis

Animal species: Bovine

| Region ^(a) | Total number of herds ^(a) | Total number of herds under the programme (b) | Number of herds checked ^(a) | Number of positive herds ^(c) | Number of new positive herds ^(c) | Number of herds depopulated | % positive herds depopulated | INDICATORS | | |
|-----------------------|--------------------------------------|---|--|---|---|-----------------------------|------------------------------|-----------------|---|-------------------------------------|
| | | | | | | | | % herd coverage | % positive herds Period herd prevalence | % new positive herds Herd incidence |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 (7.5%) | 9 - (6.3%) | 10 - (5.4%) | 11 - (6.4%) |
| ALL REGIONS | 355 | 328 | 242 | 0 | 0 | 0 | 0% | 73.7% | 0% | 0% |
| Total | 355 | 328 | 242 | 0 | 0 | 0 | 0% | 73.7% | 0% | 0% |

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

Year: 2005

Situation on date:

Disease^(a): **BruceBovis**

Animal species: **Bovine**

| Region ^(b) | Total number of animals ^(c) | Number of animals ^(d) to be tested under the programme | Number of animals ^(e) tested | Number of animals tested individually ^(f) | Number of positive animals | Slaughtering | | INDICATORS | |
|-----------------------|--|---|---|--|----------------------------|--|--|----------------------------|--------------------------------------|
| | | | | | | Number of animals with positive result slaughtered or culled | Total number of animals slaughtered ^(g) | % coverage at animal level | % positive animals Animal prevalence |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 (10/11/12) | 10 (11/12/13) |
| ALL REGIONS | 61,432 | 41,921 | 41,759 | 41,735 | 114 | 114 | 182 | 99.6% | 0.27% |
| Total | 61,432 | 41,921 | 41,759 | 41,735 | 114 | 114 | 182 | 99.6% | 0.27% |

(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 tank tests).

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

Year: 2006

Situation on date:

Disease^(a): Brucellosis

Animal species: Bovine

| Region ^(b) | Total number of animals ^(c) | Number of animals ^(d) to be tested under the programme | Number of animals ^(e) tested | Number of animals tested individually ^(f) | Number of positive animals | Slaughtering | | INDICATORS | |
|-----------------------|--|---|---|--|----------------------------|--|--|----------------------------|---|
| | | | | | | Number of animals with positive result slaughtered or culled | Total number of animals slaughtered ^(g) | % coverage at animal level | % positive animals Animal prevalence |
| 3 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 (3/100) | 10-16.4x100 |
| ALL REGIONS | 58,948 | 40,053 | 39,617 | 12,653 | 2 | 2 | 12 | 99% | 0.005% |
| Total | 58,948 | 40,053 | 39,617 | 12,653 | 2 | 2 | 12 | 99% | 0.005% |

(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.

Year: 2007

Situation on date:

Disease^(a): **Brucellosis**

Animal species: **Bovine**

| Region ^(b) | Total number of animals ^(c) | Number of animals ^(d) to be tested under the programme | Number of animals ^(e) tested | Number of animals tested individually ^(e) | Number of positive animals | Slaughtering | | INDICATORS | |
|-----------------------|--|---|---|--|----------------------------|--|--|----------------------------|--------------------------------------|
| | | | | | | Number of animals with positive result slaughtered or culled | Total number of animals slaughtered ^(f) | % coverage at animal level | % positive animals Animal prevalence |
| I | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9-(43)/100 | 10-(6.4)/100 |
| ALL REGIONS | 57,568 | 38,950 | 31,939 | 5,755 | 0 | 0 | 1 | 82.7% | 0% |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| Total | 57,568 | 38,950 | 31,939 | 5,755 | 0 | 0 | 1 | 82.7% | 0% |

(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) Exclude 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.

Year: 2008

Situation on date:

Disease^(a): Brucellosis

Animal species: Bovine

| Region ^(b) | Total number of animals ^(c) | Number of animals ^(d) to be tested under the programme | Number of animals ^(e) tested | Number of animals tested individually ^(f) | Number of positive animals | Slaughtering | | INDICATORS | |
|-----------------------|--|---|---|--|----------------------------|--|--|----------------------------|---|
| | | | | | | Number of animals with positive result slaughtered or culled | Total number of animals slaughtered ^(g) | % coverage at animal level | % positive animals Annual prevalence |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 (413/110) | 10 (64/102) |
| ALL REGIONS | 55,620 | 38,494 | 35,038 | 9,255 | 1 | 1 | 1 | 91% | 0.003% |
| Total | 55,620 | 38,494 | 35,038 | 9,255 | 1 | 1 | 1 | 91% | 0.003% |

(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.

Year: 2009

Situation on date: 2009

Disease^(a): Brucellosis

Animal species: Bovine

| Region ^(b) | Total number of animals ^(c) | Number of animals ^(c) to be tested under the programme | Number of animals ^(c) tested | Number of animals tested individually ^(d) | Number of positive animals | Slaughtering | | INDICATORS | |
|-----------------------|--|---|---|--|----------------------------|--|--|----------------------------|---|
| | | | | | | Number of animals with positive result slaughtered or culled | Total number of animals slaughtered ^(e) | % coverage at animal level | % positive animals Animal prevalence |
| 1 | 2 | 3 | 4 | 5 | 0 | 7 | 8 | 9-103/100 | 10-164/100 |
| ALL REGIONS | 55,135 | 39,083 | 31,217 | 4,763 | 0 | 0 | 1 | 79,9% | 0% |
| Total | 55,135 | 39,083 | 31,217 | 4,763 | 0 | 0 | 1 | 79,9% | 0% |

(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.

Year: 2010

Situation on date: 31/3/2010

Disease^(a): Brucellosis

Animal species: Bovine

| Region ^(b) | Total number of animals ^(c) | Number of animals ^(c) to be tested under the programme | Number of animals ^(c) tested | Number of animals tested individually ^(c) | Number of positive animals | Slaughtering | | INDICATORS | |
|-----------------------|--|---|---|--|----------------------------|--|--|----------------------------|---|
| | | | | | | Number of animals with positive result slaughtered or culled | Total number of animals slaughtered ^(d) | % coverage at animal level | % positive animals Animal prevalence |
| 1 | 2 | 2 | 4 | 5 | 0 | 1 | 8 | 9-(4-3)/8 100 | 10-(6-4)/8 100 |
| ALL REGIONS | 55,035 | 38,366 | 17,917 | 718 | 0 | 0 | 0 | 46.7% | 0% |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| Total | 55,035 | 38,366 | 17,917 | 718 | 0 | 0 | 0 | 46.7% | 0% |

(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.

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: 2005

Disease^(a): Brucellosis

Animal species/category^(b): Bovine

Description of the used serological tests:

Dairy Farms : Confirmation of a positive bulk milk ELISA test with Rose Bengal and Complement Fixation Test in all animals over 12 months old
Farms with less than 10 individuals over 12 months old: Screening test: Rose Bengal Test and confirmation with Complement Fixation Test

Infected farms: Monthly screening of all animals over 12 months with Rose Bengal Test and confirmation with Complement Fixation Test.

In case that in a herd the positive Rose Bengal Test is more than 5% then all the animals over 12 months old of the herd 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 CO₂

Description of the other used tests: -

Dairy Farms: Screening test: bulk milk ELISA 4 times per year

| Region ^(a) | Serological tests | | Microbiological or virological tests | | | | Other tests (bulk milk ELISA) | |
|-----------------------|---|---|---|---|-------|---|---|---|
| | Number of samples tested ^(c) | Number of positive samples ^(d) | Number of samples tested ^(c) | Number of positive samples ^(d) | | Number of positive samples ^(d) | Number of samples tested ^(c) | Number of positive samples ^(d) |
| | | | | MILK | FETUS | | | |
| ALL REGIONS | 41,735 | 114 | 32 | 4 | 29 | 0 | 1,838 | 2 |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| Total | 41,735 | 114 | 32 | 4 | 29 | 0 | 1,838 | 2 |

- (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^(b): Brucellosis

Animal species/category^(b): Bovine

Description of the used serological tests:

Dairy Farms : Confirmation of a positive bulk milk ELISA test with Rose Bengal and Complement Fixation Test in all animals over 12 months old

Farms with less than 10 individuals over 12 months old: Screening test: Rose Bengal Test and confirmation with Complement Fixation Test

Infected farms: Monthly screening of all animals over 12 months with Rose Bengal Test and confirmation with Complement Fixation Test.

In case that in a herd the positive Rose Bengal Test is more than 5% then all the animals over 12 months old of the herd 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 CO₂

Description of the other used tests:-

Dairy Farms: Screening test: bulk milk ELISA 4 times per year

| Region ^(b) | Serological tests | | Microbiological or virological tests | | | | Other tests (bulk milk ELISA) | |
|-----------------------|---|---|---|------|---|---|---|--|
| | Number of samples tested ^(a) | Number of positive samples ^(d) | Number of samples tested ^(a) | | Number of positive samples ^(d) | Number of samples tested ^(c) | Number of positive samples ^(d) | |
| | | | MILK | FECS | | | | |
| ALL REGIONS | 12,653 | 2 | 2 | 17 | 0 | 1,794 | 1 | |
| Total | 12,653 | 2 | 2 | 17 | 0 | 1,794 | 1 | |

- (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: 2007

Disease^(a): Brucellosis

Animal species/category^(b): Bovine

Description of the used serological tests:

Dairy Farms: Confirmation of a positive bulk milk ELISA test with Rose Bengal and Complement Fixation Test in all animals over 12 months old
Farms with less than 10 individuals over 12 months old: Screening test: Rose Bengal Test and confirmation with Complement Fixation Test
Infected farms: Monthly screening of all animals over 12 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 CO₂

Description of the other used tests: -

Dairy Farms: Screening test: bulk milk ELISA 4 times per year

| Region ^(a) | Serological tests | | Microbiological or virological tests | | | | Other tests (bulk milk [EUSA]) | |
|-----------------------|---|---|---|-------|---|---|---|--|
| | Number of samples tested ^(c) | Number of positive samples ^(d) | Number of samples tested ^(a) | | Number of positive samples ^(b) | Number of samples tested ^(a) | Number of positive samples ^(b) | |
| | | | MILK | PETLS | | | | |
| ALL REGIONS | 5,755 | 0 | 0 | 21 | 0 | 792 | 0 | |
| | | | | | | | | |
| | | | | | | | | |
| Total | 5,755 | 0 | 0 | 21 | 0 | 792 | 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: 2008

Disease^(a): Brucellosis

Animal species/category^(b): Bovine

Description of the used serological tests:

Dairy Farms: Confirmation of a positive bulk milk ELISA test with Rose Bengal and Complement Fixation Test in all animals over 12 months old

Farms with less than 10 individuals over 12 months old: Screening test: Rose Bengal Test and confirmation with Complement Fixation Test

Infected farms: Monthly screening of all animals over 12 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 CO₂

Description of the other used tests: -

Dairy Farms: Screening test: bulk milk ELISA 4 times per year

| Region ^(a) | Serological tests | | Microbiological or virological tests | | | | Other tests (bulk milk [BLSA]) | |
|-----------------------|---|---|---|---|-------|---|---|---|
| | Number of samples tested ^(c) | Number of positive samples ^(d) | Number of samples tested ^(c) | Number of positive samples ^(d) | | Number of positive samples ^(d) | Number of samples tested ^(c) | Number of positive samples ^(d) |
| | | | | MILK | FETUS | | | |
| ALL REGIONS | 9,255 | 1 | 1 | 0 | 14 | 0 | 850 | 0 |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| Total | 9,255 | 1 | 1 | 0 | 14 | 0 | 850 | 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: 2009

Disease^(a): Brucellosis

Animal species/category^(b): Bovine

Description of the used serological tests:

Dairy Farms: Confirmation of a positive bulk milk ELISA test with Rose Bengal and Complement Fixation Test in all animals over 12 months old
Farms with less than 10 individuals over 12 months old: Screening test: Rose Bengal Test and confirmation with Complement Fixation Test
Infected farms: Monthly screening of all animals over 12 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 CO₂

Description of the other used tests: -

Dairy Farms: Screening test: bulk milk ELISA 4 times per year

| Region ^(a) | Serological tests | | Microbiological or virological tests | | | | Other tests (bulk milk ELISA) | |
|-----------------------|---|---|---|---|-------|---|---|---|
| | Number of samples tested ^(c) | Number of positive samples ^(a) | Number of samples tested ^(c) | Number of positive samples ^(b) | | Number of positive samples ^(b) | Number of samples tested ^(c) | Number of positive samples ^(b) |
| | | | | MILK | FETUS | | | |
| ALL REGIONS | 4,763 | 0 | 1 | 0 | 15 | 0 | 1,734 | 0 |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| Total | 4,763 | 0 | 1 | 0 | 15 | 0 | 1,734 | 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: 31/3/2010

Disease^(a): Brucellosis

Animal species/category^(b): Bovine

Description of the used serological tests:

Dairy Farms: Confirmation of a positive bulk milk ELISA test with Rose Bengal and Complement Fixation Test in all animals over 12 months old
Farms with less than 10 individuals over 12 months old: Screening test: Rose Bengal Test and confirmation with Complement Fixation Test
Infected farms: Monthly screening of all animals over 12 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 CO₂

Description of the other used tests: -

Dairy Farms: Screening test: bulk milk ELISA 4 times per year

| Region ^(a) | Serological tests | | Microbiological or virological tests | | | | Other tests (bulk milk H ₇ N ₉ A) | |
|-----------------------|---|---|---|------|---|---|---|---|
| | Number of samples tested ^(a) | Number of positive samples ^(b) | Number of samples tested ^(c) | | Number of positive samples ^(b) | Number of samples tested ^(c) | Number of positive samples ^(b) | Number of positive samples ^(b) |
| | | | MILK | MILK | | | | |
| ALL REGIONS | 718 | 0 | 0 | 0 | 4 | 212 | 0 | 0 |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| Total | 718 | 0 | 0 | 0 | 4 | 212 | 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

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

Year: 2000-31/3/2009

Disease^(a): Brucellosis

Animal species: Bovine

| Region ^(b) CYPRUS | Number of herds infected(c) | | | | | | Number of animals infected |
|---------------------------------|-----------------------------|--------------------------------|---------------|-------------|----------------------------------|-----|----------------------------|
| | New outbreaks | Infected herds during the year | Declared free | Depopulated | Remaining At the end of the year | | |
| 2000 | 2 | 4 | 0 | 0 | 4 | 189 | |
| 2001 | 11 | 15 | 3 | 1 | 11 | 233 | |
| 2002 | 9 | 20 | 3 | 0 | 17 | 358 | |
| 2003 | 8 | 25 | 14 | 1 | 10 | 164 | |
| 2004 | 4 | 14 | 8 | 0 | 6 | 116 | |
| 2005 | 3 | 9 | 3 | 0 | 6 | 114 | |
| 2006 | 0 | 6 | 4 | 0 | 2 | 2 | |
| 2007 | 0 | 2 | 2 | 0 | 0 | 0 | |
| 2008 | 1 | 1 | 1 | 0 | 0 | 1 | |
| 2009 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 31/3/2010 | 0 | 0 | 0 | 0 | 0 | 0 | |

(a) Disease and animal species if necessary.

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

(c) Herds or flocks or holdings as appropriate.

6.4. Data on the status of herds at the end of each year¹⁶

| Year: 2005 | Disease ^(a) : Brucellosis | | Animal species: Bovine | | Status of herds and animals under the programme ^(c) | | | | | | | | |
|-------------|---|------------------------|------------------------|------------------------|--|------------------------------------|--|------------------------|----------------------------------|------------------------|---|------------------------|--------|
| | Total number of herds and animals under the programme | | Unknown ^(d) | | Not free or not officially free from disease | | Free or officially free from disease status suspended ^(e) | | Free from disease ^(b) | | Officially free from disease ^(f) | | |
| | Herds | Animals ^(g) | Herds | Animals ^(g) | Last check positive ^(e) | Last check negative ^(f) | Herds | Animals ^(g) | Herds | Animals ^(g) | Herds | Animals ^(g) | |
| ALL REGIONS | 334 | 41,921 | 0 | 0 | 1 | 254 | 79 | 10,085 | 4 | 719 | - | 250 | 30,863 |
| Total | 334 | 41,921 | 0 | 0 | 1 | 254 | 79 | 10,085 | 4 | 719 | - | 250 | 30,863 |

(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).

¹⁶ Data to provide for Bovine tuberculosis, Bovine brucellosis, IBR/IBPV (AI - embryo units), Ovine and caprine brucellosis (B. melitensis), Paratuberculosis (paratuberculosis), Aujeszky's disease, Maedi/Visna and CAEV, IBR/IBPV (other types of enterprise), Johnes disease (paratuberculosis).

Year: 2006

Disease^(a): Brucellosis

Animal species: Bovine

| Region ^(b) | Status of herds and animals under the programme ^(c) | | | | | | | | | | | | | |
|-----------------------|--|------------------------|------------------------|------------------------|--|------------------------|------------------------------------|------------------------|--|------------------------|----------------------------------|------------------------|---|------------------------|
| | Total number of herds and animals under the programme | | Unknown ^(d) | | Not free or not officially free from disease | | Last check negative ^(f) | | Free or officially free from disease status suspended ^(g) | | Free from disease ^(h) | | Officially free from disease ⁽ⁱ⁾ | |
| | Herds | Animals ^(j) | Herds | Animals ^(j) | Herds | Animals ^(j) | Herds | Animals ^(j) | Herds | Animals ^(j) | Herds | Animals ^(j) | Herds | Animals ^(j) |
| ALL REGIONS | 326 | 40,053 | 0 | 0 | 1 | 279 | 59 | 7,140 | 1 | 76 | - | - | 265 | 32,558 |
| Total | 326 | 40,053 | 0 | 0 | 1 | 279 | 59 | 7,140 | 1 | 76 | - | - | 265 | 32,558 |

(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: 2007

Disease^(a): Brucellosis

Animal species: Bovine

| Region ^(b) | Status of herds and animals under the programme ^(c) | | | | | | | | | | | | | |
|-----------------------|--|------------------------|------------------------|------------------------|--|------------------------|------------------------------------|------------------------|--|------------------------|----------------------------------|------------------------|---|------------------------|
| | Total number of herds and animals under the programme | | Unknown ^(d) | | Not free or not officially free from disease | | Last check negative ^(e) | | Free or officially free from disease status suspended ^(f) | | Free from disease ^(g) | | Officially free from disease ^(h) | |
| | Herds | Animals ⁽ⁱ⁾ | Herds | Animals ⁽ⁱ⁾ | Herds | Animals ⁽ⁱ⁾ | Herds | Animals ⁽ⁱ⁾ | Herds | Animals ⁽ⁱ⁾ | Herds | Animals ⁽ⁱ⁾ | Herds | Animals ⁽ⁱ⁾ |
| ALL REGIONS | 330 | 38,950 | 0 | 0 | 0 | 0 | 76 | 6,969 | 0 | 0 | - | - | 254 | 31,981 |
| Total | 330 | 38,950 | 0 | 0 | 0 | 0 | 76 | 6,969 | 0 | 0 | - | - | 254 | 31,981 |

(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: 2008

Disease^(a): Brucellosis

Animal species: Bovine

| Region ^(b) | Status of herds and animals under the programme ^(c) | | | | | | | | | | | | | |
|-----------------------|--|------------------------|------------------------|------------------------|--|------------------------|------------------------------------|------------------------|--|------------------------|----------------------------------|------------------------|---|------------------------|
| | Total number of herds and animals under the programme | | Unknown ^(d) | | Not free or not officially free from disease | | Last check negative ^(f) | | Free or officially free from disease status suspended ^(g) | | Free from disease ^(h) | | Officially free from disease ⁽ⁱ⁾ | |
| | Herds | Animals ^(e) | Herds | Animals ^(e) | Herds | Animals ^(e) | Herds | Animals ^(e) | Herds | Animals ^(e) | Herds | Animals ^(e) | Herds | Animals ^(e) |
| ALL REGIONS | 320 | 38,494 | 0 | 0 | 0 | 0 | 32 | 5,299 | 0 | 0 | - | - | 288 | 33,195 |
| Total | 320 | 38,494 | 0 | 0 | 0 | 0 | 32 | 5,299 | 0 | 0 | - | - | 288 | 33,195 |

(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: 2009

Disease^(a): Bruceellosis

Animal species: Bovine

| Region ^(b) | Status of herds and animals under the programme ^(c) | | | | | | | | | | | | | | | |
|-----------------------|--|------------------------|------------------------|------------------------|--|------------------------|------------------------------------|------------------------|------------------------------------|------------------------|--|------------------------|----------------------------------|------------------------|---|------------------------|
| | Total number of herds and animals under the programme | | Unknown ^(d) | | Not free or not officially free from disease | | Last check positive ^(e) | | Last check negative ^(f) | | Free or officially free from disease status suspended ^(g) | | Free from disease ^(h) | | Officially free from disease ⁽ⁱ⁾ | |
| | Herds | Animals ^(j) | Herds | Animals ^(j) | Herds | Animals ^(j) | Herds | Animals ^(j) | Herds | Animals ^(j) | Herds | Animals ^(j) | Herds | Animals ^(j) | Herds | Animals ^(j) |
| ALL REGIONS | 322 | 39,083 | 0 | 0 | 0 | 0 | 31 | 3,568 | 0 | 0 | 0 | 0 | - | - | 291 | 33,295 |
| Total | 322 | 39,083 | 0 | 0 | 0 | 0 | 31 | 3,568 | 0 | 0 | 0 | 0 | - | - | 291 | 33,295 |

(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: 31/3/2010

Disease^(a): Brucellosis

Animal species: Bovine

| Region ^(b) | Status of herds and animals under the programme ^(c) | | | | | | | | | | | |
|-----------------------|--|------------------------|------------------------|------------------------|--|------------------------|--|------------------------|----------------------------------|------------------------|---|------------------------|
| | Total number of herds and animals under the programme | | Unknown ^(d) | | Not free or not officially free from disease | | Free or officially free from disease status suspended ^(e) | | Free from disease ^(f) | | Officially free from disease ^(g) | |
| | Herds | Animals ^(h) | Herds | Animals ^(h) | Herds | Animals ^(h) | Herds | Animals ^(h) | Herds | Animals ^(h) | Herds | Animals ^(h) |
| ALL REGIONS | 328 | 38,366 | 0 | 0 | 0 | 0 | 74 | 5,049 | 0 | 0 | 254 | 33,317 |
| Total | 328 | 38,366 | 0 | 0 | 0 | 74 | 5,049 | 0 | 0 | 254 | 33,317 | |

(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).

6.5. Data on vaccination or treatment programmes¹⁷ NOT APPLICABLE

Year: _____ Disease^(a): _____ Animal species: _____

Description of the used vaccination, therapeutic or other scheme:

| Region ^(c) | Total number of herds ^(c) | Total number of animals | Information on vaccination or treatment programme | | | | | | |
|-----------------------|--------------------------------------|-------------------------|--|--|--|--|--|---|--|
| | | | Number of herds ^(c) in vaccination or treatment programme | Number of herds ^(c) vaccinated or treated | Number of animals ^(c) vaccinated or treated | Number of doses of vaccine or treatment administered | Number of adults ^(c) vaccinated | Number of young ^(c) animals vaccinated | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| Total | | | | | | | | | |

- (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

¹⁷ Data to provide only if vaccination has been carried out.

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

Year: _____ Disease^(a): _____ Animal species: _____

Description of the used serological tests:

Description of the used microbiological or virological tests:

Description of the other used tests:

| Region ^(b) | 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

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

7.1.2. Targets on testing herds and animals¹⁹

7.1.2.1 Targets on the testing of herds^(a)

| Disease ^(b) | Brucellosis | | | | Animal species: Bovine | | | | TARGET INDICATORS | | |
|------------------------|--------------------------------------|---|---|--|--|--|---|--------------------------|--|--|--|
| | Total number of herds ^(c) | Total number of herds under the programme | Number of herds expected to be checked ^(c) | Number of expected positive herds ^(c) | Number of expected new positive herds ^(c) | 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 x 100 | 9 = 6/3 x 100 | 10 = 4/4 x 100 | 11 = 6/4 x 100 | |
| A.J. REGIONS | 355 | 328 | 328 | 1 | 1 | 1 | 100% | 100% | 0.30% | 0.30% | |
| Total | 355 | 328 | 328 | 1 | 1 | 1 | 100% | 100% | 0.30% | 0.30% | |

(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.

¹⁹ Data not to provide in case of rabies.

7.1.2.2. Targets on the testing of animals

Disease^(a): Brucellosis

Animal species: Bovine

| Region ^(b) | Total number of animals ^(c) | Number of animals ^(d) under the programme | Number of animals ^(e) expected to be tested | Number of animals to be tested individually ^(f) | Number of expected positive animals | Slaughtering | | TARGET INDICATORS | |
|-----------------------|--|--|--|--|-------------------------------------|---|---|-------------------------------------|---|
| | | | | | | Number of animals with positive result expected to be slaughtered or utilised | Total number of animals expected to be slaughtered ^(h) | Expected % coverage at animal level | % positive animals (Expected animal prevalence) |
| 1 | 2 | 1 | 4 | 5 | 0 | 7 | k | 99.4378100 | 19.6618100 |
| ALL REGIONS | 55,075 | 38,366 | 38,366 | 5,000 | 2 | 2 | 200 | 100% | 0.6005% |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| Total | 55,075 | 38,366 | 38,366 | 5,000 | 2 | 2 | 200 | 100% | 0.6005% |

(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 animals²⁰

Disease^(a): **Brucellosis**

Animal species: **Bovine**

| Region ^(b) | Total number of herds and animals under the programme | | Targets on the status of herds and animals under the programme ^(c) | | | | | | | | | | | |
|-----------------------|---|------------------------|---|------------------------|--|------------------------|----------------------------------|------------------------|------------------------------|------------------------|---|------------------------|-----|--------|
| | Herds | Animals ^(d) | Expected unknown ^(e) | | Expected not free or not officially free | | Expected free or officially free | | Expected free ^(f) | | Expected officially free ^(g) | | | |
| | | | Herds | Animals ^(d) | Herds | Animals ^(d) | Herds | Animals ^(d) | Herds | Animals ^(d) | Herds | Animals ^(d) | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| ALL REGIONS | 328 | 38,366 | 0 | 0 | 0 | 0 | 2 | 400 | 1 | 200 | - | - | 325 | 37,766 |
| Total | 328 | 38,366 | 0 | 0 | 0 | 2 | 400 | 1 | 200 | - | - | - | 325 | 37,766 |

(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)

²⁰ Data to provide for bovine tuberculosis, bovine brucellosis, ovine and caprine brucellosis (*B. melitensis*), enzootic bovine leukosis (EBL) and Aujeszky's disease.

7.3. Targets on vaccination or treatment: NOT APPLICABLE

7.3.1. Targets on vaccination or treatment²¹

| Disease ^(a) | Animal species: | | | | | | | | |
|------------------------|-----------------------|--|---|--|---|---|---|---|--|
| | Region ^(a) | Total number of herds ^(b) in vaccination or treatment programme | Total number of animals in 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 ^(d) 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 |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| Total | | | | | | | | | |

(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

²¹ Data to provide only if appropriate.

8. Detailed analysis of the cost of the programme²³

| <i>Costs related to</i> | <i>Specification</i> | <i>Number of units</i> | <i>Unitary cost in euro</i> | <i>Total amount in euro</i> | <i>Community funding requested (yes/no)</i> |
|---|---|------------------------|-----------------------------|-----------------------------|---|
| 1. Testing | | | | | |
| <i>1.1. Cost of the analysis</i> | | | | | |
| | <i>Test: ROSE BENGAL</i> | 5,000 | 0.25 | 1,250 | yes |
| | <i>Test: COMPLEMENT FIXATION TEST screening</i> | 400 | 2.12 | 848 | yes |
| | <i>COMPLEMENT FIXATION TEST titration</i> | 100 | 3.48 | 348 | yes |
| | <i>Test: BULK MILK ELISA</i> | 2,000 | 0.61 | 1,220 | yes |
| | <i>Test: CULTURES</i> | 30 | 3 | 90 | yes |
| <i>1.2. Cost of sampling</i> | | | | | |
| | Serum sampling tubes | 5,000 | 0.15 | 750 | yes |
| | Needles | 5,000 | 0.1 | 500 | yes |
| | Milk sampling screw cap bottles | 1,000 | 0.15 | 150 | yes |
| <i>1.3. Other costs</i> | | | | | |
| | | | | | |
| 2. Vaccination or treatment | | | | | |
| <i>2.1. Purchase of vaccine/treatment</i> | | | | | |
| | | | | | |

²³ Fixed costs should not be included. All amounts are VAT excluded

| | | | | | | | |
|---|-------|-----|---------|--|--|-----|--|
| 2.2. Distribution costs | | | | | | | |
| 2.3. Administering costs | | | | | | | |
| 2.4. Control costs | | | | | | | |
| 3. Slaughter and dextraction | | | | | | | |
| 3.1. Compensation of animals | 200 | 450 | 170,000 | | | yes | |
| 3.2. Transport costs | 200 | 30 | 6,000 | | | yes | |
| 3.3. Destruction costs | | | | | | | |
| 3.4. Loss in case of slaughtering | | | | | | | |
| 3.5. Costs from treatment of products (poult, eggs, hatching eggs, etc) | | | | | | | |
| 4. Cleaning and disinfection | | | | | | | |
| | 100 h | 3.5 | 350 | | | yes | |

| | | | | | | | | | | | | |
|---|--|--|--|--|--|--|--|--|--|---------|-----|--|
| 5. Salaries (staff contracted for the programme only) | | | | | | | | | | | | |
| 6. Consumables and specific equipment | | | | | | | | | | | | |
| 7. Other costs | | | | | | | | | | | | |
| TOTAL | | | | | | | | | | 181,506 | Yes | |