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

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*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

Greece

* in accordance with Commission Decision 90/424/EEC

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MINISTRY OF RURAL DEVELOPMENT & FOOD
GENERAL VETERINARY DIRECTORATE
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**OVINE AND CAPRINE BRUCELLOSIS CONTROL AND
ERADICATION PROGRAMME
FOR THE YEAR 2009**

FOR CO -FINANCED APPROVAL BY THE COMMUNITY

GREECE

1. Identification of the programme

Member State : **GREECE**

Disease: ***Ovine and Caprine Brucellosis control and Eradication Programme***

Request of co -financing for: **2009**

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2. Historical data on the epidemiological evolution of the Disease

2.1 CURRENT EPIDEMIOLOGICAL SITUATION

2.1 EPIDEMIOLOGICAL SITUATION IN THE MAINLAND

Greece is divided in 54 prefectures called Nomos. For the implementation of ovine and caprine brucellosis control and eradication programme the whole country is divided in two parts. In the part 1 (mainland), a *B. melitensis* control programme is implemented based on mass vaccination and in the part two (islands) a *B. melitensis* eradication programme is implemented based on test and slaughter policy for infected ruminants.

The white areas in the MAP I of ANNEX I (word file attached: *MAPS BMP09*) are the sections of the country in which an eradication program based on test and slaughter policy will be implemented.

The grey areas represent the regions where the *Brucella melitensis* control programme will be implemented based on mass vaccination of young and adult animals.

In ANNEX I (past file attached: *ANNEXI&II2005Rev1*) Table 1 presents the epidemiological situation in all the prefectures of the country at the end of the year 1998, which was the initial start of the five -year term program. Tables 2,3,4,5 and 6 are also included in the annex and present the number of animals vaccinated in each prefecture from 1997 up to 31-12 -2003. For the year 2004 and 2005, the Annexes 1 (past file attached: *Results BMEL 2004R1.xls* and the new file attached: *Results BMEL 2005.xls*) present the mass vaccination follow-up data from the Hellenic regions (Nomos) in the mainland. The 2004 and 2005 epidemiological data regarding the Bovine Vaccination programme under the *B. melitensis* control programme with Rev 1 vaccine are presented in the specified excel sheets of the attached past files: *Results BMEL2004R1.xls* and *Results BMEL 2005.xls* respectively. **The results of the 2007 Programme vaccination** in semi - wild bovines are reported in the attached excel file :< Vaccination Data 07 & Targets 09 BM SG.xls >.

2.2 EPIDEMIOLOGICAL SITUATION IN THE ISLANDS

In the islands (eradication zone), except Evia, Ieros and Lesbos, the **2007** reported *B.melitensis* flock and animal prevalence in sheep and goats (generated based on the data submitted to Central authorities by the prefecture veterinary directorates) was lower compared to 2006 and 2005 (2,85 % and 0,53% respectively).

The results of implementation of the eradication programme for the years, 1998 -2003, as well as the epidemiological situation of the flocks and bovine herds under the REV 1 vaccination programme are presented in **Tables 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21 and 22** of **Annex I** (past file attached: *ANNEXI&II2005Rev1*). For the year 2004, Tables 1 and 2 (past file attached: *EPROGMEL04.doc*) comprise data from the eradication zone. For the Reporting years **2005 and 2006**, analytical records and relevant epidemiological and statistical descriptive data (Eradication test results, flock and animal prevalence rates, epidemiological situation according to the animal health status required by the programme implementation on the eradication zone) are presented in the attached file sheets of this Report (file names: *BM OC ERADICATION PR 2005.xls* and *ERADICATION EPIDEMIOLOGY 2006.XLS/ Historical data folder*).

For the Reporting year **2007**, Data sets and relevant epidemiological and statistical records can be found in the attached excel file for *Brucella* eradication programme implemented in 2007 (*ERADICATION SG BM 2007.XLS*).

2.3 BRUCELLOSIS IN HUMANS – Public Health Significance

Based on Reported incidence human data from the Hellenic public health authorities the *Brucella* cases in humans were 548, 405, 331, 239, 233, 337 and 287 for the reference years 2000 – 2006 respectively. These results indicate epidemiological variations on infection rate and significant decreasing trends of human brucellosis cases in Greece over the time.

Related retrospective data presented in Diagram 1 of ANNEX I (previous Historical files submitted to the Commission), conclude that, the incidence of Human brucellosis has been

decreasing the last years in accordance with the implementation of the sheep and goat vaccination programme.

3. DESCRIPTION OF THE SUBMITTED PROGRAMME

INTRODUCTION

Brucellosis due to *B. melitensis* is a serious zoonoses, sometimes fatal, and the rural population especially persons that are in close contact with animals are in potential risk getting the disease. Brucellosis is also a significant disease that causes significant economical losses in sheep and goat farming due to abortions and quality degradation of animal products as well as reduction in milk production.

In Greece, since 1-1-1999, the Veterinary Service of the Ministry of Rural Development and Food has run a control and eradication program. Different strategies for the control and eradication of brucellosis have been chosen in the mainland and in the islands. In the mainland, where the prevalence of brucellosis in sheep and goat flocks is high, transhumance of the flocks is a practice; emergency mass vaccination of lambs, kids and adult animals has been decided as the first step of the control of brucellosis. The aim of this action is the effort of decreasing the high incidence and prevalence of the disease in the mainland.

In the islands, where the disease is at low prevalence among sheep and goat flocks, all the permitted factors are in favor to implement a test and slaughter policy for the eradication of brucellosis.

Following the evaluation of the current situation and taking into consideration: a) the ovine and caprine brucellosis is a zoonotic disease of major public health impact on the Community b) the observed dynamics of inter community market of live animals, meat, milk and animal products c) the increase of animal production and d) the significant risk of young animals, especially the female replacement animal stock to get infected, the Greek Veterinary authorities are obliged to intensively continue the same uniform policy for the year 2009 (for the two specified sections of the country-mainland and islands) on a more systematic and efficient manner compared to previous years of programme implementation.

So far, the recommendations of the Task Force Subgroup have been taken in consideration and actions for their implementation have been planned. In the islands the implementation of the eradication program will be enforced based on the available resources during 2009, so most of the sheep and goat flocks in these areas should be tested at least once. However the officially free health status has strictly recommended to be suspended from the flocks that the routine testing frequency is not fulfilled. Additionally, a significant occurrence of the disease has appeared in the islands of Lesbos and Leros respectively. As a result the test and slaughter policy will not be efficient for the eradication of the disease and mass vaccination will be implemented and continued for the years 2008 and 2009.

In the mainland the emergency mass vaccination of young and adult animals will be continued and enhanced to increase and finalize the vaccination coverage of the existing non vaccinated flocks. As an additional measure in some prefectures, the wild bovines grazing in common pastures with sheep and goat flocks will be vaccinated too.

LEGAL BASIS, MEASURES AND TERMS OF LEGISLATION UNDER THE PROGRAMME

The legal basis of the programme is:

1. Directive 91/68 EEC
2. Directive 91/424 EEC
3. Council's Decision 90/242
4. Presidential order 133/13-4-1992
5. Ministerial Decision **258735/17.07.2007** for the programme implementation

AUTHORITIES RESPONSIBLE FOR THE CO-ORDINATION AND IMPLEMENTATION OF BRUCELLOSIS PROGRAMME

The authority, which is responsible for the co-ordination and control of small ruminant's brucellosis eradication programme in whole country, is the Department of Zoonoses in the Directorate of Animal Health in the Central Veterinary Service of the Ministry of Rural Development and Food.

The Department of Zoonoses is responsible for the co-ordination and control of all District Veterinary Services involved in the implementation of the programme. This department collects the data, makes statistical analysis, evaluates the implementation of the program and informs the relevant authorities in the European Union about the progress of the programme.

It has also the responsibility to issue Ministerial Orders for the implementation of the programme, as well as the bi-ministerial order determining the terms and the amount of compensation.

A committee for the co-ordination, monitoring and evaluation of Brucellosis control and eradication programme has been established in the Central Veterinary Service since 1996. The committee assists the Department of Zoonoses in the co-ordination, implementation, monitoring and evaluation of the programme.

The committee is constituted by:

- 1) The Director of Animal Health Directorate in the Ministry of Rural Development and Food who will act as President.
- 2) The Head of the Department of Zoonoses in the Ministry of Rural Development and Food who will act as Vice - President.
- 3) A senior veterinary officer of the Department of Zoonoses in the Ministry of Rural Development and Food who will be a member.
- 4) An epidemiologist appointed by the Central Veterinary Service of the Ministry of Rural Development and Food who will be the technical adviser of the committee.

The committee will meet at least every three months in order to evaluate the progress of the programme in each prefecture and in the whole country.

In case that the targets set in advance in a prefecture were not achieved, the committee will evaluate the situation, will take corrective measures and will make an action plan for the targets to be achieved.

In such a case in the committee will participate also:

- 1) The District Veterinary officer of each district (Nomos)
- 2) The Head of Animal Health department of each district. (Nomos)
- 3) The Director and the Head of Microbiology Department of the Regional Veterinary Laboratory of the area.

AUTHORITIES FOR THE IMPLEMENTATION OF THE PROGRAMME

The District Veterinary Service in each prefecture is responsible for the co-ordination of Field Veterinary Services in the district. It collects data referring to the implementation of the programme in the district and informs the Department of Zoonoses in the Central Veterinary Service.

Field Veterinary Services are responsible for a) the implementation of the programme, b) the identification and registration of the animals, c) the identification of infected animals d) the issuing of the relevant movement certificates of animals for the slaughterhouses and transhumance of the flocks and e) the disinfection of premises.

REFERENCE LABORATORY FOR BRUCELLA

The National Reference Laboratory for brucellosis has the responsibility for the co-ordination of other laboratories and the harmonization of the tests performed for the diagnosis of brucellosis. For this purpose, the reference laboratory conducts ring tests among regional laboratories. The reference laboratory is also responsible for the purchase, quality control and distribution of all the necessary reagents.

The reference laboratory organises training meetings with the personnel of the other laboratories in order to improve and update laboratory techniques in the field of brucellosis diagnosis.

The National Reference Laboratory for Brucellosis will participate in the Network of Brucellosis Reference Laboratories of the Member States, as well as in the ring trials conducted by the EU Reference Laboratory for Brucellosis.

The National Reference Laboratory for Brucellosis has also the responsibility of implementing and evaluating new diagnostic tests for the diagnosis of brucellosis in small ruminants and in bovines.

REGISTRATION OF FLOCKS AND IDENTIFICATION OF ANIMALS

- All sheep and goat flocks must be registered in the Field Veterinary Service of the area and a yellow ear tag must identify the animals used for reproduction in a flock. The number on the ear tag is consisted by two letters corresponding to the country's name, two digits indicating the prefecture (Nomos), two digits indicating the code number of the flock, and six digits representing the registered number of the animal.
- The vaccinated animals will be marked with the same ear tag and with a tattoo in order to be recognisable from the non vaccinated animals.
- The registration of the flocks and identification of the animals is compulsory.
- A flock record will be kept by the farmer, in which all the animals are registered every year. A copy of this record must be kept in the F.V.S. of the area.

MOVEMENT OF ANIMALS

- The movement of sheep and goat flocks or a single animal is prohibited unless an official Veterinary Certificate issued by the F.V.S of the area accompanies them.
- For the flocks reared in the islands, the health status of the flock of origin must be mentioned in the certificate, as well as the purpose of movement and the final destination.
- For the flocks reared in the mainland the vaccination status of the flock or the animal must be mentioned in the certificate.
- A copy of this certificate must be sent officially to the F.V.S of destination so the arrival of the flock or the single animal can be verified.
- The rules for intra and extra district transhumance are the following:
 - Transhumance of a flock is permitted by the F.V.S. of the departure area that issues a relevant certificate. The certificate must be stamped in the area of arrival by the F.V.S. In the islands the certificate must indicate the health status of the flock and in the mainland the status due to vaccination.
 - In the islands sheep and goat flocks grazing in common pastures must be of the same health status and should not come in contact with flocks of lower or unknown health status .
 - The vaccinated flocks may move for transhumance and should come in contact only with vaccinated flocks.
 - The movement of live animals from the mainland to the islands, where eradication program is implemented, is prohibited.

GEOGRAPHICAL AREA OF THE IMPLEMENTATION OF B. MELITENSIS CONTROL AND ERADICATION PROGRAMME

The programme will be implemented all over Greece, in the mainland and the islands. Different measures will be implemented in each district of Greece. The white area (**MAP I** /

ANNEX I indicates the eradication zone (test and slaughter policy) and the grey area the control programme (zone of mass vaccination of young and adult animals).

The grey areas on **MAP II /ANNEX I**, indicate the prefectures in which Bovine vaccination is carried out using REV-1 vaccine. The majority of these free-range bovines are reared with ovine and caprines in common pastures. This action is an additional measure to control the spread of brucellosis in high-risk mainland areas.

4. MEASURES OF THE SUBMITTED PROGRAMME

DURATION OF THE PROGRAMME

The control and eradication programme for brucellosis in ovine and caprine flocks will be implemented under the supervision of the Greek Veterinary services on annual basis. The overall duration of the programme depends on the disease prevalence reduction in the coming year (2009) and mainly on the effectiveness of the programme in conjunction with the available human and financial resources.

The year of implementation: 2009

Control (mainland plus 3 islands)

Eradication (Islands)

Testing (Periodic testing in male animals as indicators)

Testing

Slaughter of animal ma tested positive

Slaughter of animals tested p

Killing of animals tested positive

Killing of animals tested p

Vaccination

Extended slaughter or killing

Treatment

Disposal of products

Disposal of products

MEASURES FOR THE BRUCELLOSIS CONTROL PROGRAMME

- In areas that the prevalence of the disease is high and the flocks are not easily accessed, due to their geographical distribution or transhumance during the summer months, an emergency mass vaccination of young and adult animals is applied.
- Only female animals are vaccinated. The adult animals are vaccinated the last month of pregnancy, in lactating period and in per mating period. There is priority in the vaccination of adult animals in infected flocks, in flocks of unknown health status and in flocks moving for transhumance.
- In the areas where the emergency vaccination of adult animals will be implemented the officially free flocks can be excluded from the vaccination.
- The Local Veterinary Services will take all the measures to prevent contact of the disease with these flocks.
- This measure aims at the reduction of the incidence of abortions due to brucella in a short time, in order to prevent the contamination of the environment, as well as to

increase the animals resistance that are in high risk due to the contact with the infectious agent. It is expected that the emergency vaccination of adults in these flocks will influence the incidence of brucellosis in humans dramatically in a very short time.

- In this area the young female animals, which are kept for reproduction, will be vaccinated at the age of 3 - 6 months. It is estimated that young animals represent 15 % of the animals in each flock.
- The vaccination of male animals is prohibited.
- Taking into account the type of husbandry in the mainland of Greece, the traditions and habits of the consumers, that affect the number of replacements and the movement of flocks to the mountains after the 15th of May, there is a very limited time for the vaccination of a large number of young animals. Under these circumstances the Greek Veterinary Service concentrates to the vaccination of the majority of young animals. However, under ideal conditions, no more than 70 % of animals kept for reproduction can be vaccinated.
- The vaccination will be carried out with the REV-1 vaccine, administered by conjunctival route at a dose of 10^9 C.F.U.
- The vaccinated animals will be permanently marked with a tattoo in order to be recognisable in the future. The tattoo will be consisted of V (for vaccination) and the last two digits of the year of vaccination. For the year 2009 the tattoo will be V09.
- After the vaccination, the veterinarian responsible for the program will issue a certificate in two copies. The farmer will keep one copy and the other will remain in the F.V.S. In the certificate the number and age of vaccinated animals as well as the date of vaccination must be reported.
- After the completion of vaccination in an area, a serological survey will be conducted for the assessment of vaccination coverage of the animals. The survey will be based on a two-stage cluster sample of flocks and animals. In each area a random sample of 15% of the flocks would be drawn and from the selected flocks a random sample of 20 % of vaccinated animals will be tested.
- In vaccinated flocks all male animals will be tested periodically and the seropositives will be slaughtered.

ADDITIONAL MEASURES FOR THE CONTROL OF BRUCELLOSIS DUE TO B. MELITENSIS

In Greece in some areas there is a number of bovines kept only for meat production grazing on mountains in close contact with sheep and goat flocks.

Recently, in some prefectures the prevalence of brucellosis in these herds has been increased. Under the rearing conditions of these animals, the measures foreseen in the legislation for brucellosis eradication can not be implemented. These animals are in close contact in the pasture with ovines and caprines and move for transhumance for a long period of time, in areas that cannot be reached by veterinarians.

By an epidemiological survey carried out in these herds, and cultures of infected material, isolation of *B. melitensis* biovars 1, 2 and 3, typed in O.I.E Reference Laboratory for Brucellosis in Waybridge, United Kingdom were recorded.

Taking into account this situation and the fact that the measures for the control and eradication of the disease, as these are mentioned in Council's Directive 91/68, must be implemented in all the animal species susceptible to brucellosis, bovines of the age of 2 month and above reared in herds with close contact to sheep and goat flocks must be vaccinated with REV-1 vaccine in some prefectures.

According to the current knowledge and the bibliography REV-1 vaccine has been proved superior than S-19 for protecting cattle from brucellosis, especially infected by *B. melitensis*.

The prefectures in which bovine animals will be vaccinated in 2009 cover the shadow area as presented in **MAP II** of **ANNEX I**.

It must be pointed out that the vaccination will be implemented only in a restricted number of bovine herds, which are in close contact with sheep and goat flocks during transhumance. Also all the relevant measures will be adopted for the vaccinated animals not to come in contact or enter in herds where vaccination is not implemented. Vaccinated bovine animals can be moved to prefectures that vaccination of bovines is not implemented only for immediate slaughtering.

The vaccination of bovines will not interfere with the implementation of bovine brucellosis eradication program, which will be continued based on test and slaughter policy.

The vaccinated bovine animals will be permanently marked with a tattoo in the right ear. The tattoo will be consisted of **V** (for vaccination) and the last two digits of the year of vaccination. For the year **2009** the tattoo will be **V09**. The date of vaccination will be mentioned in the individual card of each animal.

OTHER MEASURES FOR BRUCELLOSIS CONTROL

- In the mainland all the animals before their introduction in a flock must be vaccinated.
- The movement of live animals from the mainland to the islands is prohibited.
- In the area where the eradication programme is implemented all the abortions must be reported in the local F.V.S., which has the responsibility of Investigating the reported abortions in order to determine the etiological agent.

MEASURES FOR THE *Brucella melitensis* ERADICATION PROGRAMME

HEALTH STATUS OF THE FLOCKS

In the islands where eradication programme based on test and slaughter policy is implemented sheep and goat flocks are classified as following:

M1 = Health status unknown

M2 = The animals in the flock have been examined once and the results were
Negative

M+ = The animals in the flock have been examined once and at least one animal have been found infected

M3 = Flock free of brucellosis. The flock is classified in this category if the requirements set in Directive 91/68 EEC are fulfilled.

M4 = Flock officially free of brucellosis. The flock is classified in this category if the requirements set in Directive 91/68 EEC are fulfilled.

PROCEDURE FOR THE QUALIFICATION OF A FLOCK AS BRUCELLOSIS OFFICIALLY FREE (M4)

- A.** In a M1 flock all animals or a representative sample of animals over six months of age can be examined serologically for brucellosis. The sample size is such to give a confidence level of 95% that the disease does not exist if the prevalence is higher than 4%.
- If the results of the test are negative the flock is qualified as M2 category. In the flocks qualified as **M2** category with this procedure, all the animals over 6 months and no longer than 12 months after the previous test.
 - If the results of this test are negative the flock is qualified as **M4** category.
- If:**
- In the interval between the tests no animals have been introduced in the flock originated from flocks of lower health status due to brucellosis.
 - All the abortions are registered and investigated and no abortion due to *B.melitensis* has been reported in the flock.
 - All the animals introduced in the flock originated from brucellosis officially free flocks (**M4**) that have negative results in two serological tests 6 weeks apart from each other. During this period, the animals must be in isolation and should not come in contact with the other animals of the flock.
 - There is no animal vaccinated in the flock for the last two years.
- B.** In case that even a single animal belonging in flocks of M1 or M2 category shows positive reaction in the serological survey, then the flock is qualified as INFECTED and classified in **M+** category.

MEASURES IN INFECTED FLOCKS

The measures foreseen in infected from brucellosis flocks are the following:

- The flocks must be in isolation and the exit and introduction of animals is prohibited.
- Only movement of animals for immediate slaughter is permitted after a special permission issued from the local F.V.S.
- The infected animals are marked with an **O** shape punch in the right ear and must be in isolation from the other animals until their slaughter.
- An epidemiological query must be conducted so the source of infection to be determined and the flocks linked with the outbreak to be determined and investigated.

- The aborted fetuses and placenta must be collected and with the appropriate security measures must be sent to the Regional Veterinary Laboratory for bacteriological examination.
- All the animals belonging to species susceptible to brucellosis as well as the dogs must be tested serologically.
- The milk coming from infected animals must be collected in separate vessels and can be used only for animal feeding after the appropriate heat treatment.
- The milk coming from infected animals can be used for cheese production after pasteurisation and only for cheese maturing for a period more than 2 months.
- The manure as well as the bedding must be collected every day in a special place and sprayed with the relevant disinfectant unless it will be covered with soil.
- It is prohibited to spray the manure in the fields earlier than 3 weeks after its collection.
- All material infected or in contact with aborted fetuses must be cleaned and disinfected.
- The aborted fetuses, placenta e.t.c must be destroyed by burning.
- The infected animals must be slaughtered as soon as possible and not later than 30 days from the day that they have been identified as infected. The movement of infected animals to the slaughterhouse is permitted after a special permission issued from the local F.V.S.
- The carcasses of infected animals undergo an inspection and the head and offal must be destroyed.
- After the slaughter of the last infected animal cleaning and disinfection of the premises under the supervision of the local F.V.S is taking place. After the completion of the disinfection procedure the local F.V.S must issue relevant certificate.
- The procedure for the re-qualification of the flock starts after the completion of the cleaning and disinfection procedure.

PROCEDURE FOR THE RE-QUALIFICATION OF AN INFECTED FLOCK _____

- The procedure for the qualification of an infected flock as officially free (M4) is the following:
- All the animals over 6 months of age are subjects of a serological test 60 days after the slaughter of the last infected animal and after the completion of the cleaning and disinfections of the premises.
 - If the results of the first test are negative, a second test must be conducted in all the animals over 6 months of age not earlier than 6 months from the first test.
 - If the results of the second test are negative also, then the flock is classified in **M2** category and all the restriction measures which are in force in infected flocks are withdrawn.
 - In the flocks of **M2** category a serological test must be conducted in all the animals over 6 months of age not earlier than 6 and not later than 12 months from the previous one.
 - If the results of the third test are negative also, then the flock is classified in **M4** category if:
 - In the interval between the tests no animals have been introduced in the flock originated from flocks of lower health status due to brucellosis.
 - All the abortions are registered and investigated and no abortion due to *B.melitensis* has been reported in the flock.
 - All the animals introduced in the flock originated from brucellosis officially free flocks (**M4**) that have negative results in two serological tests 6 weeks apart from each other. During this period, the animals must be in isolation and should not come in contact with the other animals of the flock.
 - There is no animal vaccinated in the flock for the last two years.

MAINTENANCE OF THE BRUCELLOSIS OFFICIALLY FREE STATUS _____

A sheep or goat flock that situated in an area not qualified as officially free can retain the brucellosis officially free status if:

- All the animals susceptible to brucellosis have been free of clinical symptoms for at least 12 months.
- All the animals introduced in the flock originated from brucellosis officially free flocks **(M4)** that have negative results in two serological tests 6 weeks apart from each other. During this period, the animals must be in isolation and should not come in contact with the other animals of the flock.
- A sample of animals must be tested annually with negative results .
- In the sample of animals tested in each holding must be included:
 1. All the male animals over 6 months of age.
 2. All the animals that have been introduced in the flock during the year.
 3. 25% of the breeding females producing milk with a minimum of 50 animals per holding.
 4. In case that in the holding are reared 50 females or less then all the animals must be tested.

FREQUENCY OF TESTS IN AN AREA WHICH IS NOT QUALIFIED AS BRUCELLOSIS OFFICIALLY FREE

In an area which is not qualified as brucellosis officially free the frequency of tests in brucellosis officially free holdings can be extended to three years if

- 99% of sheep and goat flocks are classified as brucellosis officially free and
- the remaining sheep and goat holdings are under strict official control or undergo an eradication program.

SUSPENSION OF BRUCELLOSIS OFFICIALLY FREE STATUS

The brucellosis officially free status of a holding can be suspended in case that :

- The animals of the holding came in contact with animals of lower health status due to brucellosis .
- The routine frequency testing foreseen for the maintenance of brucellosis officially free status has not be fulfilled.
- One or more animals are suspected for brucellosis infection after a clinical or laboratory test and they have been slaughtered.

RAISING OF THE SUSPENSION

In the holdings with suspended brucellosis officially free status the suspension can be raised:

A) In case that the brucellosis officially free status has been suspended because the measures foreseen in the program have not been implemented or the animals of the holding came in contact with animals of lower health status due to brucellosis .

The suspension of the status is raised if all the animals over 6 months of age are serologically tested with negative results.

B) In case that one or more animals are suspected for brucellosis infection after a clinical or laboratory test and they have been slaughtered

The suspension of the status is raised if all the animals over 6 months of age are serologically tested with negative results. The first test is conducted 30 days after the slaughter of the suspect animal and after the completion of the cleaning and disinfection of the premises and the second 3 months after the previous one .

WITHDRAWAL OF BRUCellosis OFFICIALLY FREE STATUS

- The brucellosis officially free status of a sheep or goat flock is withdrawn and the flock is classified as infected in case that the infection has been confirmed after isolation of brucella, or after an epidemiological investigation that will verify the infection.
- The brucellosis officially free status of a sheep or goat flock is withdrawn if it has been suspended and in the second serological test positive reactions are reported in one or more animals.
- The infected flocks can be re-qualified as brucellosis officially free flocks with the procedure described in paragraph 14.

QUALIFICATION OF A REGION AS BRUCellosis OFFICIALLY FREE

A region can be qualified as brucellosis officially free if:

- 99,8 % of sheep and goat flocks in the area are qualified as brucellosis officially free
- or
- No case of ovine and caprine brucellosis has been confirmed for at least 5 years.
- The vaccination has been ceased at least 3 years.
- All the abortions are recorded and investigated.
- An ovine and caprine eradication program is in force in the region.
- A system of identification and tracing of the animals is in force in the region so the origin of each animal can be ascertained.

MAINTENANCE OF BRUCellosis OFFICIALLY FREE STATUS OF A REGION

In order the brucellosis officially free status of a region to be maintained:

- All the provisions of paragraph 20 must be fulfilled.
- The first year after the qualification of the region as brucellosis officially free:
 1. A random sample of animals in the flocks or in the abattoir must be examined in order to determine with a confidence level of 99% that less than 0,2 % of the flocks is infected,
 - or
 2. A random sample of 10 % of the existing animals over 6 months of age must be examined in the region.
- The second year after the qualification of the region as brucellosis officially free:
 1. A random sample of animals in the flocks or in the abattoir must be examined in order to determine with a confidence level of 99% that less than 0,2 % of the flocks is infected,
 - or
 2. A random sample of 5 % of existing animals over 6 months of age must be examined in the region.

TREATMENT OF INFECTED ANIMALS

According to the Greek legislation all the actions taken on sheep and goats aiming at the treatment of brucellosis are prohibited.

LABORATORY ANALYSIS

- Sera are tested by Rose Bengal agglutination test.
- In order to gain greater sensitivity, a modification of Rose Bengal test will be carried out using 75 μ L of serum and 25 μ L of antigen, as it is described in the Manual of Standards and Vaccines of OIE.
- In case of seropositive reaction the serum must be examined by a complement fixation test .
- The animal is considered as infected if a positive reaction is equal or more than 20 UCEE.
- If more than 5% of sera from a flock give positive results in Rose Bengal test then all sera must be tested by C.F.T .
- For the evaluation of the new tests approved by OIE for bovine brucellosis a number of sera will be tested with Fluorescence Polarization Assay and Competitive Elisa according to the instructions given in Manual of Standards and Vaccines.
- In the eradication program based on test and slaughter policy all the animals of an infected flock showing a positive reaction to any test performed would be considered as infected and they will be slaughtered and compensated.

DEPOPULATION

- In case that in a flock equal or more than 50 % of the animals are found as seropositives the flock will be depopulated.
- In case that in the first serological examination 25% to 50% of the animals are found as infected and in the second serological examination 20% of the remaining animals are also found as seropositives then the flock will also be depopulated.
- In both cases the depopulation will be carried out after the suggestion of a committee and the permission of the Central Veterinary Service in the Ministry of Rural Development and Food. The committee is constituted from the District Veterinary Officer, a veterinarian from the F.V.S of the area and an epidemiologist appointed by the Central Veterinary Service in the Ministry of Rural Development and Food. The committee for its suggestion must take into account the epidemiology of the disease, the health status of neighbouring flocks, the geography of the area, the population density in the area, the transhumance of the flocks and all the specific features of the area. All the animals that are going to be slaughtered will be compensated according to the legal basis.
- The measure of depopulation can be applied in extend in the areas where the eradication programme is implemented if the infected flock, in accordance to the in-flock prevalence, is a potential risk for the area and the neighbouring officially free flocks. In this case also the depopulation of the flock will be implemented under the same procedure and after the suggestion of a committee and the permission of the Central Veterinary Service in the Ministry of Rural Development and Food.

RESTOCKING

- After the depopulation of a flock and before restocking with new animals all the premises, the equipment and material that have been in contact with infected animals must be cleaned and disinfected in accordance with the instructions and under the supervision of the F.V.S of the area.
- The restocking can be materialized at least 60 days after the depopulation of the flock. This period can be extended according to the local conditions in each area..
- The animals reconstituting the depopulated flock must originate from flocks free or officially free from brucellosis .

- In the area where vaccination is not implemented the animals must originate only from flocks officially free from brucellosis.
- The animals reconstituting the depopulated flock must be serologically tested with negative results 30 days before their movement in the new flock or 30 days after the reconstitution of the new flock.
- During the period of the 30 days the animals must be in isolation and should not come in contact with the other animals of the flock of origin or with animals belonging to other flocks.

COMPULSORY SLAUGHTER

- The compulsory slaughter of infected animals is carried out as soon as possible under an official supervision.
- The slaughter must take place within 30 days after the official notification of the owner.
- The infected animals must be slaughtered in a predetermined slaughterhouse after the permission of the F.V.S. and the issue of a movement certificate.
- The head and offal of infected animals must be seized and destroyed.

COMPENSATION OF SLAUGHTERED ANIMALS

- The compensation of the animals, which will be slaughtered in the implementation of this programme, must be paid within 90 days after the slaughter of the animals.
- Before the slaughter of the animals a committee will evaluate their life price and will propose the amount of compensation. A Veterinarian of the District Veterinary Service, an Officer of the District Animal Production Service and a representative of the farmers co-operative constitute the committee.
- The amount of compensation in no case can be greater than the price of the animal in the market.
- According to a bi-ministerial decision published each year the amount of compensation is specifically determined for each animal category.
- In case that some of the measures foreseen in the program are not implemented by the farmer compensation reduced till 50% can be paid to the farmer.

DATA COLLECTION AND ANALYSIS

Every month the Department of Animal Health of each District Veterinary Service will collect the data from the Field Veterinary Stations of the area and will feed the software in use.

With the aid of the software reports for the implementation of the program and the epidemiological situation of the area can be produced. All the data are sent to the Department of Zoonoses in the Ministry of Rural Development and Food and in the National Reference Laboratory for Brucellosis in Larissa.

INFORMATION ABOUT THE PROGRESS OF THE PROGRAMME

The Department of Zoonoses of the Animal Health Directorate in the Ministry of Rural Development and Food will organize meetings in each prefecture at least once a year with the staff of the Regional Veterinary Services to exchange information about the progress of the program and the evaluation of the measures foreseen for the efficient implementation of the programme. During these meetings the local problems will also be discussed so the optimal solution to be found.

In each region printed material with information about the disease will be distributed to the farmers. The consumers will be informed about brucellosis through the local TV and radio stations.

EXCHANGE OF INFORMATION

The General Directorate of Veterinary Services in the Ministry of Rural Development and Food provides all the information and prepares a regular and full report to the Commission of the E.U as well as to the Task Force Subgroup about the progress of the ovine and caprine brucellosis control and eradication programme in compliance to the E.U. legislation.

5. BENEFITS OF THE PROGRAMME

- Public Health significance – Protection of Public Health
 - Prophylaxis of farmer's health
 - Increase of animal productivity
 - Economical benefits at farm level in relation to animal health status
-

6. DATA ON THE EPIDEMIOLOGICAL DISEASE EVOLUTION. (the last five years)

Please be advised and informed about all the attached electronic data files (2007 Programme Data and Historical data from the last 5 years included) submitted to the Commission along with this report and sent at the mail box address SANCO-VET.PROG@ec.europa.eu.

The format and presentation of the above-mentioned data sets and tables followed the numerical categorization and ranking based on SANCO DOCUMENT 10522/2007 requirements.

7. TARGETS

OBJECTIVES AND TARGETS OF THE SUBMITTED PROGRAMME

Detailed analysis for 2009 Targets on the testing of flocks and animals ,Health status and diagnostic tests is given in **Annex I (excel files attached: TARGETS ERADICATION BM 09.xls, LAB TESTS 07&TARGETS 09 BM SG.xls and VACCINATION DATA 07 & TARGETS 09 BM SG)**.

7.1 TARGETS FOR THE BRUCELLA MELITENSIS CONTROL PROGRAMME

The target of the programme in the mainland is the total number of adult animals reared in the mainland to be vaccinated at the end of 2009. In accordance with the results of the implementation of the programme from the previous years, the 80 % of the animals reared in the mainland have already been vaccinated at the end of the year 2007. It is estimated that at the end of 2009 the vaccinated animals will cover 95 % of the existing animal population in the area where the vaccination will be carried out.

The target for the vaccination of animals in each prefecture is presented in **Table 7.3.1 of ANNEX I (attached file: VACCINATION DATA 07 & TARGETS 09 BM SG .xls)**.

7.2 TARGETS FOR THE BRUCELLA MELITENSIS ERADICATION PROGRAMME

The targets set for the area where the eradication programme will be implemented are presented in **Tables 7.1.2.1 , 7.1.2.2., 7.2** attached in **ANNEX I (related file attached: TARGETS ERADICATION BM 09.xls)**.

8. COST OF THE 2009 SUBMITTED PROGRAMME

COST OF BRUCELLOSIS CONTROL AND ERADICATION PROGRAMME FOR 2009

Based on the 2009 targets , the estimated detailed cost of analysis for the 2009 Brucellosis control and eradication programme is given in Table 8 of Annex I (*file attached: 8 PROGRAMME COST 09.xls*)

The total cost of the programme is estimated to be **3.049.000 EURO**. The Greek authorities are requesting to obtain a 50 % financial contribution from the European Commission, which reflects to the amount of **1.524.500 EURO**.

6.5 Data on vaccination or treatment programmes

Year: 2007

Disease: Ovine & Caprine Brucellosis

Animal species: Ovine & Caprine

Description of the used Vaccination scheme: Mass vaccination of all female adults and young breeding animals of 3 month age and above

Region (Nomos)	Total number of flocks	Total number of animals	Number of flocks in vaccination programme	Information on vaccination programme					
				Number of flocks vaccinated	Number of animals vaccinated	Number of doses of vaccine administered	Number of adults vaccinated	Number of young animals vaccinated	
1 ETOLENIA	11 479	1 108 089	11 479	1 126	70 612	71 000	29 984	40 628	
2 ARGOLIDA									
3 ARKADIA	2 195	236 000	2 195	1 375	39 533	39 533	10 707	28 826	
4 ARIA	3 795	182 781	3 795	240	10 118	10 118	2 171	7 947	
5 ATHENS	38	5 357	38	21	655	655	415	240	
6 ANATOLIKI	563	79 932	563	141	9 680	11 118	5 864	3 816	
7 DYTATIKI									
8 AXANIA	5 062	564 101	5 062	1 489	58 979	59 000	21 850	37 129	
9 VIOTIA	1 917	252 520	1 917	396	19 766	19 766	8 292	11 474	
10 GREBENA	842	118 169	842	487	22 300	22 828	8 716	13 584	
11 DRAMA	931	167 235	931	248	23 120	23 120	5 658	17 462	
12 NIEVROS (B)	485	50 787	485	611	6 904	6 904	647	6 257	
13 S.EVROS (N)	776	125 984	776	423	10 184	10 250	646	9 538	
14 EVIA	3 890	334 500	3 890	252	13 482	16 000	8 017	5 465	
15 EYRYTANIA	1 025	78 222	1 025	351	6 158	6 158	1 158	5 000	
16 HLEIA	4 715	385 036	4 715	412	19 252	17 533	11 010	8 242	
17 HMATHIA	964	123 431	964	821	22 495	22 495	620	21 875	
18 THESNIKI	1 953	391 731	1 953	1 211	39 165	38 413	752	38 413	
19 THESPROTIA	2 238	234 648	2 238	541	17 725	17 892	5 509	12 216	
20 IOANNINA	4 370	346 668	4 370	2 254	45 325	45 325	10 878	34 449	
21 KAVALA	1 429	276 878	1 429	279	22 767	29 000	0	22 767	
22 KARDITSA	3 862	225 860	3 862	297	18 801	20 000	15 411	3 390	
23 KASTORIA	787	88 100	787	787	14 800	14 800	0	14 800	
24 KILKIS									
25 KOZANH	1 527	271 601	1 527	1 039	35 964	42 000	723	35 241	

α/α

26	KORINTHIA	1.126	186.060	1.126	563	18.123	18.500	1.465	16.658
27	LAKONIA	1.733	272.432	1.733	619	24.683	28.000	6.639	18.044
28	LARISSA	5.273	1.190.408	5.273	2.209	151.099	160.000	12.088	139.011
29	LESVOS	4.215	449.123	4.215	312	32.114	32.500	28.948	3.186
30	MAGNHISIA	1.552	247.546	1.552	488	21.762	24.000	7.189	14.573
31	MESSHINIA	2.654	171.096	2.654	602	15.056	22.000	5.272	9.784
32	XANTHI	1.070	204.290	1.070	338	35.480	35.480	19.931	15.549
33	PELLA	2.015	248.529	2.015	496	25.676	25.676	6.025	19.651
34	PIERIA	1.469	180.214	1.469	914	26.559	29.000	1.000	25.559
35	PREVEZA	3.364	282.954	3.364	1.505	27.908	30.000	2.204	25.704
36	RODOPI	1.889	291.116	1.889	1.205	36.272	38.000	3.455	32.817
37	SERRES	2.115	349.573	2.115	605	34.661	36.150	15.369	19.292
38	TRIKALA	3.453	376.169	3.453	632	30.681	31.000	6.790	23.891
39	FTHIOTIDA	4.237	290.650	4.237	678	19.413	19.413	4.488	14.925
40	FLORINA	879	149.191	879	146	24.625	24.625	5.230	19.395
41	FOKIDA	1.254	135.000	1.254	385	18.370	25.000	10.536	7.834
42	DODEKANISSA	105	7.483	105	11	1.623	2.900	1.515	108
43	XALDIKH	861	236.634	861	459	38.575	38.575	9.871	28.704

NOT AVAILABLE AT CENTRAL LEVEL

7.3.1 Targets on vaccination or treatment programmes

Year: 2009

Disease: Ovine & Caprine Brucellosis

Animal species: Ovine & Caprine

Region	Total number of flocks	Total number of animals	Number of flocks in vaccination programme	Information on vaccination programme					
				Number of flocks expected to be vaccinated	Number of animals expected to be vaccinated	Number of doses of vaccine expected to be administered	Number of adults expected to be vaccinated	Number of young animals expected to be vaccinated	
ETOLINIA	11,479	1,108,089	11,479	1,130	72,000	72,000	30,000	42,000	
ARGOLIDA									
ARKADIA	2,195	236,000	2,195	1,430	39,000	39,000	10,500	28,500	
ARTA	3,795	182,781	3,795	350	15,000	15,000	4,000	11,000	
ATHENS	38	5,357	38	38	1,300	1,300	800	500	
ANATOLIKI	563	79,932	563	174	12,680	13,000	8,770	3,910	
DYTALIKI									
AXAIA	5,062	564,101	5,062	1,200	40,000	70,000	7,000	33,000	
VIOTIA	1,917	252,520	1,917	400	20,000	20,000	8,500	11,500	
GREBENA	842	118,169	842	510	24,000	25,000	4,500	19,500	
DRAMA	931	167,235	931	250	20,500	21,000	1,000	18,500	
N'EVROS (B)	495	50,787	495	495	11,500	11,500	1,000	10,500	
S.EVROS (N)	776	125,984	776	76	18,973	18,973	8,138	10,835	
EVIA	3,890	334,500	3,890	257	20,500	22,000	12,000	8,500	
EYRYTANIA	1,025	78,222	1,025	400	9,000	9,000	1,500	7,500	
HLEIA	4,715	385,036	4,715	427	27,800	27,950	25,452	2,348	
HMATHIA	964	123,431	964	964	23,042	23,042	697	22,345	
THESNIKI	1,953	391,731	1,953	1,953	40,000	40,000	700	39,300	
THESPROTIA	2,238	234,648	2,238	500	18,300	18,300	6,000	12,300	
IOANNINA	4,370	346,668	4,370	4,370	75,133	75,133	26,859	48,274	
KAVALA	1,429	276,878	1,429	402	26,500	30,000	5,500	21,000	
KARDITSA	3,862	225,860	3,862	360	22,917	24,900	18,484	4,433	
KASTORIA	787	88,100	787	789	15,000	15,000	0	15,000	
KILKIS									
KOZANH	1,527	271,601	1,527	1,600	44,500	46,000	1,000	43,500	

KORINTHIA	1.126	166.060	1.126	599	18.150	18.600	2.850	15.300
LAKONIA	1.733	272.432	1.733	823	28.035	30.000	7.908	20.127
LARISSA	5.273	1.190.408	5.273	3.500	160.000	180.000	5.000	155.000
LESVOS	4.215	449.123	4.215	490	50.000	52.000	45.000	5.000
MAGNHSIA	1.552	247.546	1.552					
MESSHINIA	2.654	171.096	2.654	800	18.000	22.000	8.000	10.000
XANTHI	1.070	204.290	1.070	550	45.000	45.000	21.000	24.000
PELLA	2.015	248.529	2.015					
PIERIA	1.469	180.214	1.469	1.469	32.200	35.000	1.000	31.200
PREVEZA	3.364	282.954	3.364	2.000	32.000	33.500	500	31.500
RODOPI	1.889	291.116	1.889	1.200	43.000	45.000	15.000	28.000
SERRES	2.115	349.573	2.115	200	40.000	45.000	25.000	15.000
TRIKALA	3.453	376.169	3.453	930	42.000	42.000	8.000	34.000
FTHIOTIDA	4.237	290.650	4.237	1.314	23.760	23.760	8.445	15.315
FLOKINA	879	149.191	879	787	19.230	22.530	0	19.230
FOKIDA	1.254	135.000	1.254	1.254	15.000	20.000	15.000	0
DODEKANISSA	105	7.483	105	20	1.500	1.500	1.400	100
XALIDIKH	861	236.634	861	547	42.600	42.600	10.225	32.375

Not available at central level

6.5 Data on vaccination or treatment programmes

Year: 2007

Disease:

Brucellosis (under the B. Melitensis programme)

Animal species: *Semi-wild bovine*

Description of the used Vaccination scheme: *Bovine Vaccination in animals of 2 month age and above*

Region	Information on vaccination programme							
	Total number of herds	Total number of animals	Number of herds in vaccination programme	Number of herds vaccinated	Number of animals vaccinated	Number of doses of vaccine administered	Number of adults vaccinated	Number of young animals vaccinated
1 EPIROSKA								
2 EVROTANIA	89	2.374	89	32	316	1.000	252	64
3 THESSALY	490	25.567	490	39	597	855	460	137
4 KASTORIA	28	2.153	28	18	317	317	109	208
5 SARISSA	423	38.751	423	106	2.150	2.500	0	2.150
6 MAGNΗΣΙΑ	220	15.372	220	28	249	1.000	28	221
7 KOZANHI	50	4.404	50	11	127	150	10	117
8 GREBENA	44	3.291	44	15	252	600	180	72
9 DRACO	46	1.792	46	36	290	300	42	248
10 SEVEROSINI	76	5.044	76	3	42	42	22	20
11 FMATHA	36	2.667	36	32	405	405	167	238
12 IOANNINA	250	13.078	250	136	3.674	3.673	431	3.243
13 KARDITSA	149	3.190	149	33	183	400	146	37
14 PREVEZA	185	12.258	185	30	504	550	244	260
15 SERRES	336	19.240	336	28	663	1.000	609	54
16 TRIKALA	607	32.840	607	56	912	1.000	553	359
17 THESSALONIKI	45	2.756	45	31	313	313	0	313
18 EPIROTIDA	60	3.519	60	11	134	134	41	93
19 FOKIDA	199	6.356	199	30	662	2.000	549	113
20 EUORINA	61	3.072	61	27	1.349	1.350	1.214	135
TOTAL	3.394	197.724	3.394	701	13.139	17.589	5.057	8.082

Not available at central level

7.3.1 Targets on vaccination or treatment programmes

Year: 2009

Disease:

Brucellosis (under the B. Melitensis programme)

Animal species:

Semi-wild bovine

Region	Total number of herds	Total number of animals	Number of herds in vaccination programme	Information on vaccination programme					
				Number of herds expected to be vaccinated	Number of animals expected to be vaccinated	Number of doses of vaccine expected to be administered	Number of adults expected to be vaccinated	Number of young animals expected to be vaccinated	
1 EPILOKANIJA									
2 EVRIPINA	89	2 374	89	40	500	500	400	100	
3 MADESPROTIA	490	25 567	490	61	1 280	1 580	970	310	
4 KASTORIA	28	2 153	28	5	446	446	176	270	
5 IARRISSA	423	38 751	423	150	3 000	3 500	0	3 000	
6 MAGNHSIA	220	15 372	220						
7 KQZANHI	50	4 404	50	22	450	628	50	400	
8 QREBENA	44	3 291	44	44	450	1 100	180	270	
9 IDANA	46	1 792	46	46	940	1 000	740	200	
10 SEVROS (N)	76	5 044	76	23	1 533	1 533	71	1 462	
11 ELIARHA	36	2 667	36	36	1 068	1 068	368	700	
12 IGANNINA	250	13 078	250	114	1 826	1 826	779	1 047	
13 KAROTSA	149	3 190	149	28	217	300	193	24	
14 PREVEZA	185	12 258	185	65	330	350	0	330	
15 SERRES	336	19 240	336	30	500	700	450	50	
16 TITIKALA	607	32 840	607	75	1 800	1 800	1 200	600	
17 PESSALONIKI	45	2 756	45	45	300	300	0	300	
18 GHLOIDA	60	3 519	60	39	708	708	424	284	
19 FOKIDA	199	6 356	199	42	2 403	5 000	2 003	400	
20 ILEORINA	61	3 072	61	61	910	1 000	710	200	
TOTAL	3 394	197 724	3 394	926	18 661	23 339	8 714	9 947	

Not available data at central level

ANNEX I

TABLE 8

GREECE

PROGRAMME 2009

Detailed analysis of the cost of ovine and caprine brucellosis control and eradication programme

Cost related to the ovine and caprine control and eradication programme 2009	Specification	Number of units	Unitary cost in Euro	Total amount in Euro	Community funding requested (yes/no)
1. Testing					
Cost of the analysis	Test/Rose Bengal	250.000	0,3	75.000	yes
	Test/ CFT	20.000	0,6	12.000	yes
Cost of sampling		270.000	0,4	108.000	yes
Other costs					
2. Vaccination or treatment					
Purchase of vaccines / treatment	Rev-1	1.500.000	0,076	114.000	yes
Distribution costs					
Administering costs					
Control costs					
3. Slaughter and destruction					
Compensation of animals		1.000	Average compensation 100	100.000	yes
Transport costs					
4. Destruction costs					
Destruction costs					
Loss in case of slaughtering					
Costs from treatment of products (milk, eggs, hatching eggs, etc)					
5. Cleaning and disinfection					
6. Salaries (staff contracted for the programme only)					
		120	22.000	2.640.000	yes
7. Consumables and specific equipment					
8. Other costs					
TOTAL				3.049.000	
				Request for CoF	1.524.500

ANNEX I

Member State : GREECE

REPORTING YEAR : 2007

ERADICATION PROGRAMME IN ISLANDS (ERADICATION ZONE)

Disease: Ovine and caprine Brucellosis

Species: Ovines and caprines

TABLE 6.1.1

DATA ON HERDS

NOMOS (REGION)	Total Number of flocks	Total Number of flocks under the programme	No. of flocks tested	No. of positive flocks	No. of new positive flocks	No. of flocks depopulated	% positive flocks depopulated	% herd coverage	% positive herds prevalence	% new positive herds prevalence
DODEKANISA	755	755	123	0	0	0	0	16,29	0,00	0,00
HRAKLEIO	4.143	4.143	13	3	3	0	0	0,31	23,08	23,08
KERKIRA	362	362	30	0	0	0	0	8,29	0,00	0,00
KEFALLINIA	1.371	1.371	11	2	0	0	0	0,80	18,18	0,00
KYKLADES	4.341	4.341	216	0	0	0	0	4,98	0,00	0,00
LASITHI	1.294	1.294	79	24	3	1	4,17	6,11	30,38	3,80
LEYKADA	318	318	78	0	0	0	0	24,53	0,00	0,00
PEIRAIAS	487	202	16	1	0	0	0	7,92	6,25	0,00
RETHYMNO	4.211							#DIV/0!	#DIV/0!	#DIV/0!
SAMOTHRAKI	303	303	30	0	0	0	0	9,90	0,00	0,00
SAMOS	702	579	334	0	0	0	0	57,69	0,00	0,00
XANIA	4.100	4.100	25	0	0	0	0	0,61	0,00	0,00
ZAKYNTHOS	350	105	105	0	0	0	0	100,00	0,00	0,00
XIOS	268	268	62	2	0	0	0	23,13	3,23	0,00
TOTAL	22.985	15.141	1.122	32	6	1	3,13	6,16	2,85	0,53

Not available at central level

Member State :GREECE

ERADICATION PROGRAMME IN ISLANDS (ERADICATION ZONE)

REPORTING YEAR 2007

Disease: Ovine and caprine Brucellosis
Ovines and caprines

DATA ON ANIMALS

NOMOS (REGION)	Total Number of animals	Total Number of animals under the programme	No. of animals tested	No. of animals tested individually	No. of positive animals	Slaughtering			% coverage at animal level	% positive animals Animal prevalence
						No. of animals with positive result slaughtered or culled	Total number of animals slaughtered			
DODEKANISA	142.800	142.800	13.768	13.768	110	110	110	9.64	0.80	
HRAKLEIO	898.964	898.964	768	768	6	6	6	0.09	0.78	
KERKIRA	17.971	17.971	2.370	2.370	0	0	0	13.18	0.00	
KEFALLINIA	229.727	229.727	1.359	1.359	7	7	7	0.59	0.52	
KYKLADES	218.212	218.212	6.476	6.476	0	0	0	2.97	0.00	
LASITHI	468.174	208.906	9.605	9.605	97	97	603	4.60	1.01	
LEYKADA	16.050	16.050	5.930	5.930	0	0	0	36.95	0.00	
PEIRAIAS	33.366	14.274	701	701	57	41	41	4.91	8.13	
RETHYMN0	1.086.860							#DIV/0!	#DIV/0!	
SAMOTHRAKI	59.470	11.084	8.210	8.210	0	0	0	74.07	0.00	
SAMOS	41.330	41.330	20.957	20.957	0	0	0	50.71	0.00	
XANIA	515.308	515.308	4.794	4.794	0	0	0	0.93	0.00	
ZAKYNTHOI	11.558	4.250	4.250	4.250	0	0	0	100.00	0.00	
XIOS	41.055	41.055	3.393	3.393	0	0	0	8.26	0.00	
TOTAL	3.780.936	2.359.931	62.561	62.561	277	261	767	3.50	0.34	

GREECE

REPORTING YEAR: 2007

Disease: Ovine and caprine Brucellosis
Species: Ovine and caprine

TABLE 6.4

Data on the status of herds/flocks at the end of the year 2007

NOMOS (REGION)	Total number of flocks and animals under the programme		Status of herds and animals under the programme at the end of the reporting year									
			Unknown		Not free/not officially free		Officially free suspended		Officially free			
	Flocks	Animals	M1		Positive (last check) M +		Negative (last check) M2		M4 SUSPENDED		M4	
			Flocks	Animals	Flocks	Animals	Flocks	Animals	Flocks	Animals	Flocks	Animals
DODEKANISA	755	142,800	0	0	2	110	27	1,769	288	30,574	438	110,347
HRAKLEIO	4,143	898,964	177	15,907	3	1,300	473	57,147	3,364	811,920	126	12,690
KERKIRA	362	17,971	0	0	0	0	30	2,370	0	0	332	15,601
KEFALLINIA	1,371	229,727	264	28,086	3	341	923	183,108	4	128	187	38,062
KYKLADES	4,341	218,212	0	0	0	0	838	26,537	0	0	3,503	191,675
LASITHI	1,284	208,906	20	1,030	29	9,151	255	49,469	152	21,765	838	127,491
LEYKADA	318	16,050	15	238	0	0	168	5,035	51	3,145	94	7,632
PEIRAIAS	202	14,274	24	2,376	1	250	0	0	177	11,648	0	0
RETHYMNO	4,211	1,086,850										
SAMOTHRAKI	303	11,084	0	0	0	0	0	0	0	0	303	11,084
SAMOS	579	41,330	0	0	0	0	46	2,217	61	6,204	472	32,909
XANIA	4,100	515,308	1,491	271,625							2,609	243,683
ZAKYNTHOZ	105	4,250	0	0	0	0	0	0	0	0	105	4,250
XIOS	268	41,055	41	1,097							226	39,943
TOTAL	22,352	3,446,781	2,022	320,361	38	11,152	2,751	307,667	4,097	885,384	9,233	836,367

ANNEX I REPORTING YEAR : 2007

Member State : GREECE

ERADICATION PROGRAMME IN ISLANDS (ERADICATION ZONE)**TABLE 6.3** Disease: *Ovine and caprine Brucellosis*
Species: *Ovines and caprines***DATA ON INFECTION**

	NOMOS (REGION)	Number of flocks infected	Number of animals infected
	1	2	3
1	DODEKANISA	0	110
2	HRAKLEIO	3	6
3	KAVALA (THASOS)	0	0
4	KERKIRA	0	0
5	KEFALLINIA	2	7
6	KYKLADES	0	0
7	LASITHI	24	97
8	LEYKADA	0	0
9	PEIRAIAS	1	57
10	RETHYMNO		
11	SAMOTHRAKI	0	0
12	SAMOS	0	0
13	SPORADES(MAGN.)	0	0
14	XANIA	0	0
15	XIOS	2	0
	TOTAL	32	277

ANNEX I

TABLE 6.2.1

STRATIFIED DATA ON SURVEILLANCE AND LABORATORY TESTS

GREECE

SUMMARY RECORDS

ANIMAL SPECIES: SHEEP & GOATS

DATA ON SEROLOGICAL, MICROBIOLOGICAL AND VIROLOGICAL TESTS

YEAR: 2007

DISEASE: OVINE AND CAPRINE BRUCELLOSIS

REGION : Whole Country/ National Veterinary Labs	Serological tests		Microbiological or virological test		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
Test category						
Serology			Microbiology			
Rose Bengal	95 209	916	Animal Fetus	85	19	
Compliment of Fixation	7 792	918				
Total *	103 001	1 834		85	19	

Completed Laboratory Data records & files can be found at the National Veterinary Labs and Regional authorities

Description of the used serological tests:

- Compliment of Fixation
- Rose Bengal
- Elisa- Sera

Description of the used microbiological tests:

Applied on animal fetuses aborted/ officially declared abortions

Description of the used other tests:

1

7.1.1 ΣΤΟΧΟΙ ΔΙΑΓΝΩΣΤΙΚΩΝ ΕΡΓΑΣΤΗΡΙΑΚΩΝ ΔΟΚΙΜΩΝ

7.1.1.TARGETS ON DIAGNOSTIC TESTS

YEAR:2009

ΕΤΟΣ ΑΝΑΦΟΡΑΣ : 2009

Disease

(2) Είδος Ζώου:

(1) Νόσημα: SHEEP & GOAT BRUCELLOSIS

SHEEP & GOATS

Α/Α	ΚΤΗΝΙΑΤΡΙΚΟ ΕΡΓΑΣΤΗΡΙΟ (VETERINARY LABORATORY)	ΝΟΜΟΣ ΑΡΜΟΔΙΟΤΗΤΑΣ (Region of Lab sector)	ΕΙΔΟΣ (ΤΥΠΟΣ) ΕΡΓΑΣΤΗΡΙΑΚΗΣ ΔΟΚΙΜΗΣ (3) Type of test	ΖΩΙΚΟΣ ΠΛΗΘΥΣΜΟΣ ΣΤΟΧΟΣ (4) Target population	ΤΥΠΟΣ ΔΕΙΓΜΑΤΟΣ (5) Type of samples	ΣΚΟΠΟΣ ΕΞΕΤΑΣΗΣ (6) Objective	Αριθμός προβλεπόμενων διαγνωστικών δοκιμών (Number of expected tests)				
1	ΚΟΜΜΟΤΙΝΙΔΕ	ΡΟΔΟΤΗΣ	RBT & CF	Breeding animals	Blood /sera	Programme	800				
			ΕΒΡΟΥ	RBT & CF	Breeding animals	Blood /sera	Programme Evaluation of Vaccination programme	4.500			
				ΡΟΔΟΤΗΣ			Evaluation of Vaccination programme	250			
			ΕΒΡΟΥ					Evaluation of Vaccination programme	500		
					ΕΒΡΟΥ						
			3	ΙΩΑΝΝΙΝΩΝ	ΑΡΓΑΣ	RBT	Breeding animals	Blood /sera	Programme	300	
						CF	Breeding animals	Blood /sera	Programme	30	
						ΘΕΣΣΑΛΙΑΣ	RBT	Breeding animals	Blood /sera	Programme	2.000
							CF	Breeding animals	Blood /sera	Programme	400
						ΙΩΑΝΝΙΝΩΝ	RBT	Breeding animals	Blood /sera	Programme	52.000
CF	Breeding animals	Blood /sera					Programme	5.000			
ΚΡΗΤΗΣ	RBT	Breeding animals				Blood /sera	Programme	1.000			
	CF	Breeding animals				Blood /sera	Programme	50			
ΔΕΥΚΑΛΛΕ	RBT	Breeding animals				Blood /sera	Programme	7.500			
	CF	Breeding animals				Blood /sera	Programme	30			
ΠΕΡΙΦΕΡΕΙΑΣ		RBT	Breeding animals	Blood /sera	Programme	7.500					
		CF	Breeding animals	Blood /sera	Programme	750					

4	ΛΑΜΙΑΣ	ΦΘΙΩΤΙΔΑΣ	RBT	Breeding animals	Blood /sera	Programme	73
		ΕΥΡΥΤΑΝΙΑΣ	CF	Breeding animals	Blood /sera	Programme	5
5	ΘΕΣΣΑΛΟΝΙΚΗΣ (Κ/Κ.Ι.Θ)	ΘΕΣΣΑΛΟΝΙΚΗΣ	RBT	Breeding animals	Blood /sera	Programme	1.600
			CF	Breeding animals	Blood /sera	Programme	400
			RBT Evaluation of Vaccination	Breeding animals	Blood /sera	Programme	800
		ΗΜΑΘΙΑΣ	RBT	Breeding animals	Blood /sera	Programme	200
			CF	Breeding animals	Blood /sera	Programme	50
		ΠΕΛΛΑΣ	RBT	Breeding animals	Blood /sera	Programme	2.500
			CF	Breeding animals	Blood /sera	Programme	500
		ΤΗΡΕΙΑΣ	RBT	Breeding animals	Blood /sera	Programme	200
			CF	Breeding animals	Blood /sera	Programme	50
		ΚΙΛΙΚΙΑΣ	RBT	Breeding animals	Blood /sera	Programme	600
			CF	Breeding animals	Blood /sera	Programme	150
			RBT Evaluation of Vaccination	Breeding animals	Blood /sera	Programme	150
		ΧΑΛΚΙΔΙΚΙΑΣ	RBT	Breeding animals	Blood /sera	Programme	1.200
			CF	Breeding animals	Blood /sera	Programme	150
		ΚΟΖΑΝΙΑΣ	RBT	Breeding animals	Blood /sera	Programme	1.000
			CF	Breeding animals	Blood /sera	Programme	200
			RBT Evaluation of Vaccination	Breeding animals	Blood /sera	Programme	100
		Ι ΠΕΡΙΒΟΛΩΝ	RBT	Breeding animals	Blood /sera	Programme	600
			CF	Breeding animals	Blood /sera	Programme	100
			RBT Evaluation of Vaccination	Breeding animals	Blood /sera	Programme	50
6	ΤΡΥΦΙΛΙΑΣ	ΑΡΓΟΛΙΔΑΣ	RBT	Breeding animals	Blood /sera	Programme	1.800
			CF	Breeding animals	Blood /sera	Programme	600
			EU/ISA	Breeding animals	Blood /sera	Programme	1.300

ANNEX I

TABLE 7.1.1 GREECE

TARGETS ON DIAGNOSTIC TESTS

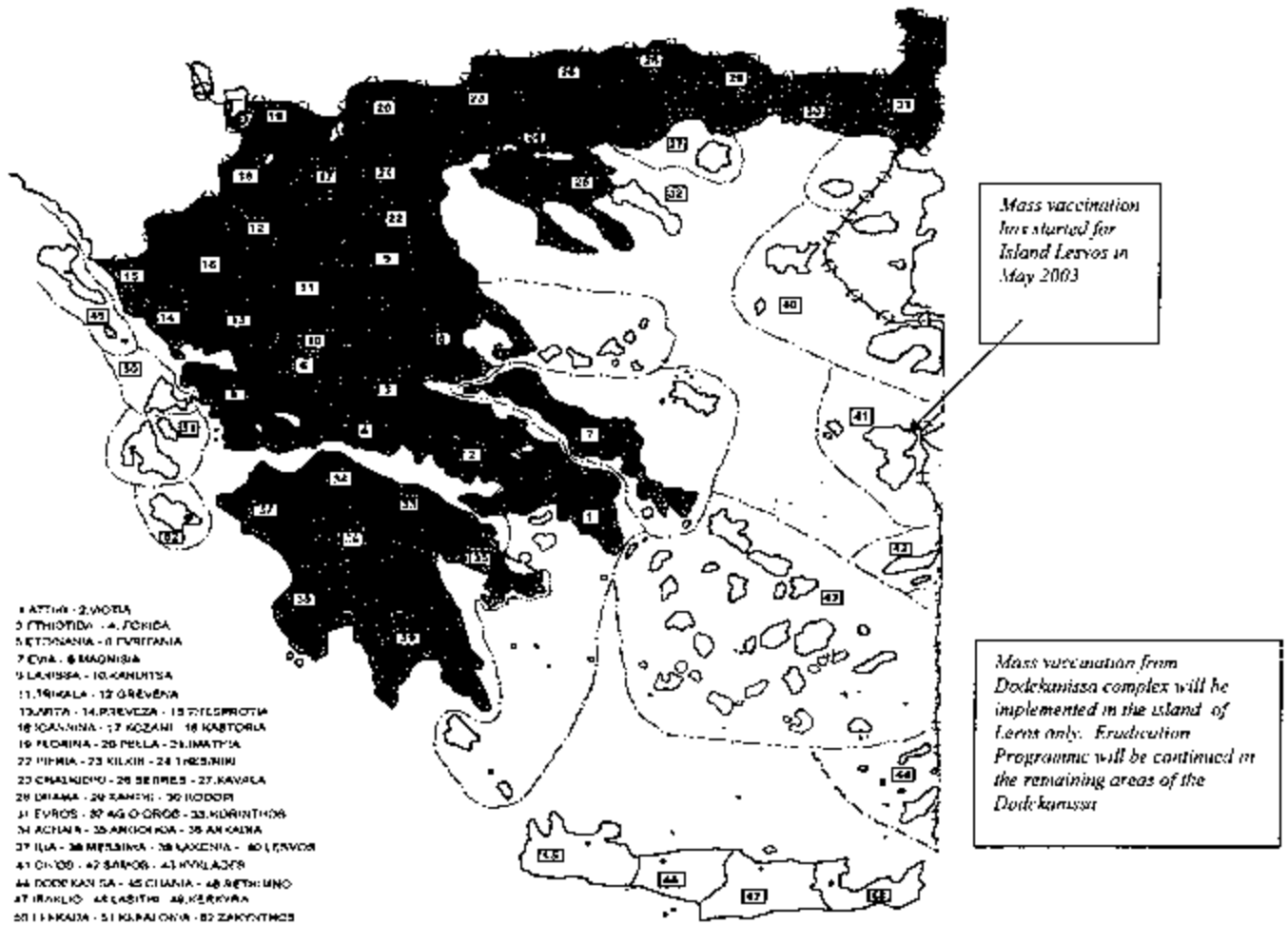
YEAR: 2009

DISEASE: OVINE AND CAPRINE BRUCELLOSIS ANIMAL SPECIES: SHEEP AND GOATS

Region	Type of the test	Target population	Type of sample	Objective	Number of planned tests
Whole Country	Test: ROSE BENGAL	BREEDING ANIMALS	Blood sample	ERADICATION & CONTROL PROGRAMME	231.823
	Test: CFT	BREEDING ANIMALS	Blood Serum	ERADICATION & CONTROL PROGRAMME	18.465
	ELISA	BREEDING ANIMALS	Blood Serum	ERADICATION & CONTROL PROGRAMME	9300
TOTAL (SEROLOGY) = 259.588					

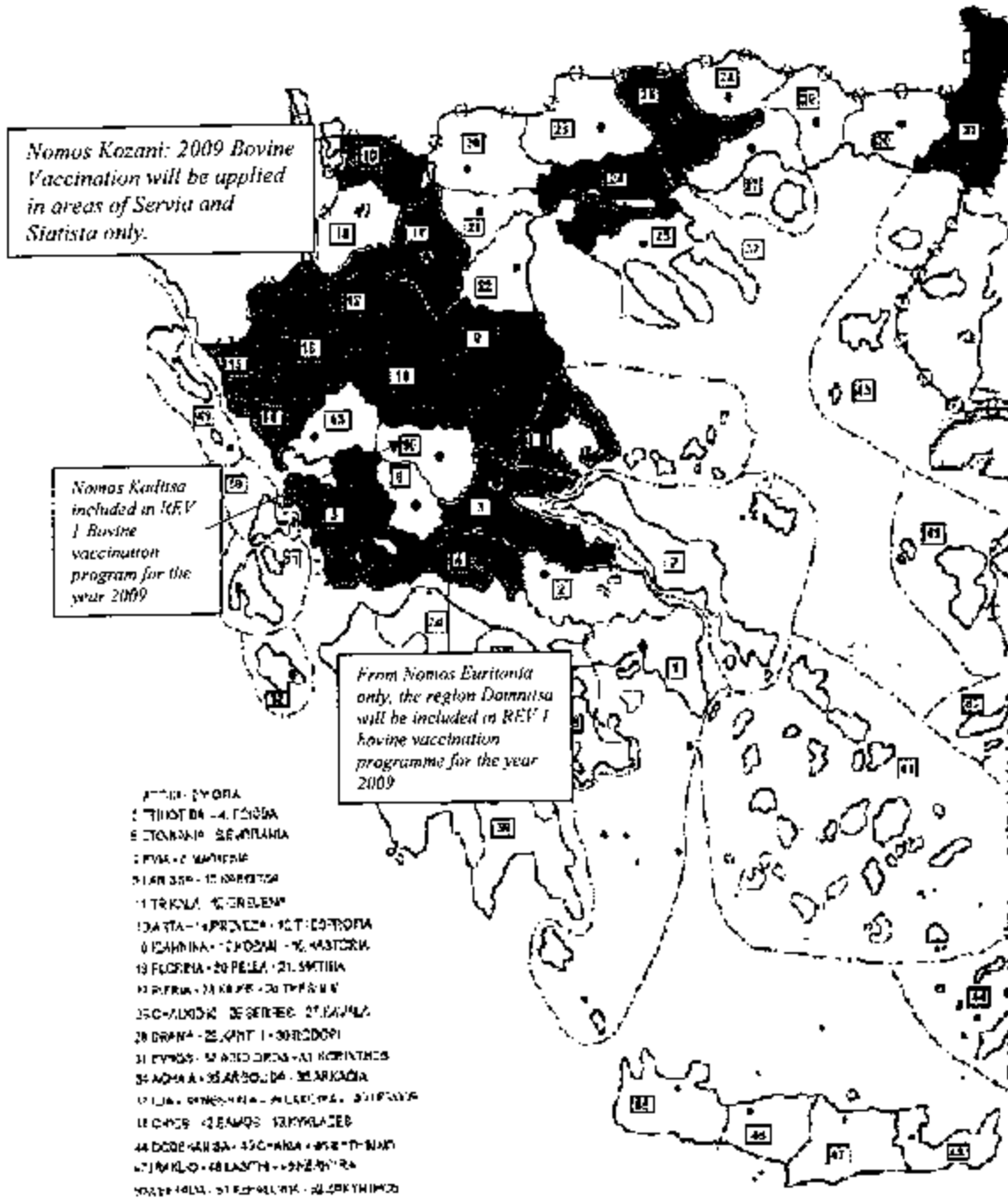
ANNEX I

MAP I. OVINE AND CAPRINE CONTROL AND ERADICATION PROGRAMME FOR 2009



AREA WHERE MASS VACCINATION WILL BE IMPLEMENTED

MAP II. PREFECTURES IN WHICH VACCINATION OF BOVINES WILL BE IMPLEMENTED DURING 2009



Member State : GREECE

2009 Targets on the testing of herds/Flocks

ANNEX I
TABLE 7.1.2.1

2009 TARGETS ON ERADICATION PROGRAMME IN ISLANDS (ERADICATION ZONE)

Disease: *Ovine and caprine Brucellosis*

Species: *Ovines and caprines*

DATA ON HERDS

NOMOS	Total Number of herds	Total Number of herds under the programme	No. of herds expected to be checked	No. of expected positive herds	No. of expected new positive herds	No. 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
	2	3	4	5	6	7	8	9	10	11
1 DODEKANISA	755	755	180	19	12	0	0,00	23,84	10,56	6,67
2 HRAKLEIO	4.143	4.143					#DIV/0!	0,00	#DIV/0!	#DIV/0!
3 KERRIRA	362	362	185	0	0	0	#DIV/0!	51,10	0,00	0,00
4 KEFALLINIA	1.371	1.371	30	0	0	0	#DIV/0!	2,19	0,00	0,00
5 KYKLADES	4.341	4.341	220	0	0	0	#DIV/0!	5,07	0,00	0,00
6 LASITHI	1.294	1.294	200	40	15	1	2,50	15,46	20,00	7,50
7 LEYKADA	318	318	150	1	1	0	0,00	47,17	0,67	0,67
8 PEIRAIAS	467	202	70	1	0	0	0,00	34,65	1,43	0,00
9 RETHYMINO	4.211	4.211					#DIV/0!	0,00	#DIV/0!	#DIV/0!
10 SAMOTHRAKI	303	303	41	0	0	0	#DIV/0!	13,53	0,00	0,00
11 SAMOS	702	579	334	0	0	0	#DIV/0!	57,69	0,00	0,00
12 XANIA	4.100	4.100	410	0	0	0	#DIV/0!	10,00	0,00	0,00
13 ZAKYNTHOΣ	350	105	105	0	0	0	#DIV/0!	100,00	0,00	0,00
14 XIOS	268	268	220	0	0	0	#DIV/0!	82,09	0,00	0,00
TOTAL	22.985	22.352	2.145	61	28	1	1,64	9,80	2,84	1,31

Not available at central level

Member State: GREECE

2009 Targets on the testing of animals

TABLE 7.1.2.2

Disease: Ovine and caprine Brucellosis
Ovines and caprines

DATA ON ANIMALS

	1	2	3	4	5	6	7	8	TARGET INDICATORS	
									9	10
		Total Number of animals	Total Number of animals under the programme	No. of animals expected to be tested	No. of expected positive animals	No. of animals with positive result expected to be slaughtered or culled	Total number of animals expected to be slaughtered	Expected % coverage at animal level	% positive animals Expected animal prevalence	
	1									
DODEKANISA		142.800	142.800	94.000	330	330	330	65.83	0.35	
HRAKLEIO		898.964	898.964					0.00	#DIV/0!	
KERKIRA		17.971	17.971	8.900	0	0	0	49.52	0.00	
KEFALLINIA		229.727	229.727	3.000	0	0	0	1.31	0.00	
KYKLADES		218.212	218.212	8.000	0	0	0	3.67	0.00	
LASTHI		468.174	208.906	20.000	120	120	650	9.57	0.60	
LEYKADA		16.050	16.050	7.500	3	3	3	46.73	0.04	
PEIRAIAS		33.368	14.274	3.624	80	80	80	25.39	2.21	
REITHYMO		1.086.850	1.086.850					0.00	#DIV/0!	
SAMOTHRAKI		59.470	11.084	2.374	0	0	0	21.42	0.00	
SAMOS		41.330	41.330	20.967	0	0	0	50.71	0.00	
XANIA		515.308	515.308	50.000	0	0	0	9.70	0.00	
ZAKYNTHOI		11.568	4.250	4.250	0	0	0	100.00	0.00	
XIOS		41.055	41.055	6.000	0	0	0	14.61	0.00	
TOTAL		3.780.835	3.446.781	228.605	533	533	1.063	6.63	0.23	

TABLE 7.2

GREECE

2009

Targets on qualification of herds/flocks and animals

Disease: *Ovine and caprine Brucellosis*Species: *Ovine and caprine*

NOMOS	Total number of herds and animals under the programme		Targets on the status of herds and animals under the programme at the end of reported year									
	Herds	Animals	Expected Unknown		Expected Not free/not officially free		Expected Officially free suspended		Expected Officially free			
			Herds	Animals	Positive	Negative	Herds	Animals	Herds	Animals		
DODEKANISA	755	142.800	0	0	20	2.000	50	4.000	288	30.484	397	106.316
HRAKLEIO	4.143	898.964										
KERKIRA	362	17.971	0	0	0	0	185	8.900	0	0	177	9.071
KEFALLINIA	1.371	229.727	227	26.702	0	0	958	166.345	3	128	183	36.552
KYKLADES	4.341	216.212	0	0	0	0	838	26.537	0	0	3.503	191.675
LASITHI	1.294	208.906	0	0	40	7.500	150	35.000	1.032	141.406	72	25.000
LEYKADA	318	16.050	2	50	1	30	130	5.000	85	2.970	100	8.000
PEIRAIAS	202	14.274	0	0	1	250	0	0	201	14.024	0	0
RETHYMNO	4.211	1.086.850										
SAMOTHRAKI	303	11.084	0	0	0	0	0	0	0	0	303	11.084
SAMOS	579	41.330	0	0	0	0	46	2.217	61	6.204	472	32.909
XANIA	4.100	515.308	1.491	271.625							2.609	243.683
ZAKYNTHOΣ	105	4.250	0	0	0	0	0	0	0	0	105	4.250
XIOS	268	41.055	0	0	0	0	0	0	0	0	268	41.055
TOTAL	22.352	3.446.781	1.720	298.377	62	9.780	2.367	247.999	1.670	195.216	8.169	709.595

ANNEX I

TABLE 7.1.1 GREECE

TARGETS ON DIAGNOSTIC TESTS

YEAR: 2009

DISEASE: OVINE AND CAPRINE BRUCELLOSIS

ANIMAL SPECIES: SHEEP AND GOATS

Region	Type of the test	Target population	Type of sample	Objective	Number of planned tests
Whole Country	Test: ROSE BENGAL	BREEDING ANIMALS	Blood sample	ERADICATION & CONTROL PROGRAMME	231.823
	Test:CFT	BREEDING ANIMALS	Blood Serum	ERADICATION & CONTROL PROGRAMME	18.465
	ELISA	BREEDING ANIMALS	Blood Serum	ERADICATION & CONTROL PROGRAMME	9300
TOTAL (SEROLOGY) =					259.588

TABLE 1 ANNEX II

Targets on vaccination or treatment of herds and animals for the year 2006

Disease^(a): Ovine and caprine brucellosis Species: Sheep and Goats

Region ^(b)	Total number of herds ^(c)	Total number of animals	Number of herds in vaccination programme	Targets of the vaccination programme on young animals			Number of herds in vaccination programme	Targets or Number of herds to be vaccinated
				Number of herds to be vaccinated	Number of animals to be vaccinated	Number of doses of vaccine to be administered		
EVROS	1801	194713	1801	1351	17524		1801	400
RODOPI	2350	277136	2350	1763	24942		2350	500
XANTHI	1371	161092	1371	1028	14488		1371	300
KAVALA	933	186408	933	700	16777		933	200
DRAMA	491	132493	491	368	11924		491	120
SERRES	1917	301223	1917	1438	27110		1917	400
THES/NIKI	1635	312803	1635	1226	28152		1635	400
CHALKIDIKI	791	182792	791	593	16451		791	150
KILKIS	1159	182869	1159	869	16458		1159	250
EVIA	3940	329759	3940	2955	29678		3940	900
PELLA	1327	196661	1327	995	17698		1327	300
IMATHIA	899	102099	899	674	9189		899	200
PIERIA	934	136550	934	701	12290		934	220
KOZANI	2027	239714	2027	1520	21574		2027	500
FLORINA	784	109268	784	588	9834		784	150
KASTORIA	553	82729	553	415	7446		553	120

GREVENA	1353	118414	1353	1015	10657	1353	280
LARISSA	5501	805641	5501	4126	72508	5501	850
MAGNISIA	1545	192682	1545	1159	17341	1545	350
KARDIUSA	5096	241281	5096	3822	21715	5096	900
TRIKALIA	3698	341268	3698	2774	30714	3698	850
EVRIOTANIA	1459	89686	1459	1094	8072	1459	250
FTHIOTIDA	4264	300981	4264	3198	27088	4264	1004
IOANNINA	7515	503053	7515	5636	45275	7515	600
THESPROTIA	3349	281200	3349	2512	25308	3349	750
PREVEZA	3643	252958	3643	2732	22766	3643	850
ARTA	2582	257149	2582	1937	23143	2582	550
VIOITIA	1963	209848	1963	1472	18886	1963	380
FOKIDA	1589	164723	1589	1192	14825	1589	300
ETOI/NIA	10498	1104853	10498	7874	99437	10498	2504
PIREUS	341	25545	341	256	2299	341	80
ATTIKI	1587	186744	1587	1190	16807	1587	350
ARGOLIDA	1997	192884	1997	1498	17360	1997	360
ARKADIA	3434	294829	3434	2576	26535	3434	700
ACHAIA	5723	456136	5723	4292	41052	5723	900
ILIA	3419	238455	3419	2564	21461	3419	700
KORINTHIA	1620	189357	1620	1215	17042	1620	350
LAKONIA	1531	170865	1531	1148	15378	1531	300
MESSINIA	3085	160840	3085	2314	14476	3085	650
LESVOS	3757	329802	3757	2818	29682	3757	900
DODEKANISA	101	9822	101	76	884	101	70
Total	103,562	10,247,325	103,562	77,674	922,257	103,562	20,81

- (a) Disease and species if necessary
(b) Region as defined in the approved eradication programme of the Member State
(c) Herds equals flocks, or holdings as appropriate
(d) As defined in the programme

ANNEX II

TABLE 1

2006

DATA ON HERDS

NOMOS	Total Number of herds	Total Number of herds under the programme	No. of herds expected to be checked
CORFU	282	282	282
LEFKADA	372	372	372
KEPALONIA	1209	1209	900
CHIOS	283	283	283
SAMOS	607	607	160
KYKLADES	4335	4335	650
DODEKANISA	458	458	250
ZAKINTHOS	169	169	169
CHANIA	4397	4397	1800
RETHIMNO	3167	3167	1500
HERAKLIO	3176	3176	1200
LASITHI	1135	1135	450
PIREUS	329	329	329
THASOS	281	281	281
SKOPELOS	68	68	68
TOTAL	20268	20268	8694

2006 TARGETS ON ERADICATION PROGRAMME IN IS

the testing of herds

Disease: Ovine and caprine Brucellosis

Species: Ovines and caprines

No. of expected positive herds	No. of expected new positive herds	No. of herds expected to be depopulated	% positive herds expected to be depopulated	Expected % herd coverage	% positive herds Expected period herd prevalence
5	6	7	8	9	10
0	0	0	0	100,00	0
5	4	0	0	100,00	1
15	11	0	0	74,44	2
5	5	0	0	100,00	2
4	3	0	0	26,36	3
0	0	0	0	14,99	0
15	8	0	0	54,59	6
0	0	0	0	100,00	0
0	0	0	0	40,94	0
8	8	0	0	47,36	1
25	20	0	0	37,78	2
35	10	0	0	39,65	8
25	18	0	0	100,00	8
0	0	0	0	100,00	0
0	0	0	0	100,00	0
137	87	0	0,00	42,90	0,23

SLANDS (ERADICATION ZONE)

TABLE 2
Member State :GREECE

TABLE 2
DATA ON ANIMALS

% new positive herds Expected herd incidence
0
1,075268817
1,222222222
1,766784452
1,875
0
3,2
0
0
0,533333333
1,666666667
2,222222222
5,47112462
0
0
0,07

	Total Number of animals	Total Number of animals under the programme
CORFU	13824	13824
LEFKADA	17411	17411
KEFALONIA	179612	179612
CHIOS	38409	38409
SAMOS	38185	38185
KYKLADES	238495	238495
DODEKANISA	112066	112066
ZAKINTHOS	10526	10526
CHANIA	412113	412113
RETHIMNO	487983	487983
HERAKLIO	525390	525390
LASITHI	164207	164207
PIREUS	25484	25484
THASOS	39998	39998
SKOPELOS	9126	9126
TOTAL	2.312.829	2.312.829

Targets on the testing of animals

Disease: Ovine and caprine Brucellosis
Ovines and caprines

No. of animals expected to be tested	No. of expected positive animals	Slaughtering		TARGET INDICATORS	
		No. of animals with positive result expected to be slaughtered or culled	Total number of animals expected to be slaughtered	Expected % coverage at animal level	% positive animals Expected animal prevalence
24	6	7	8	9	10
13824	0	0	0	100,00	0,00
17411	19	19	19	100,00	0,11
133706	178	178	178	74,44	0,13
38409	54	54	54	100,00	0,14
10065	20	20	20	26,36	0,20
36760	0	0	0	14,99	0,00
61171	294	294	310	0,00	0,00
10526	0	0	0	100,00	0,00
168707	0	0		40,94	0,00
231126	99	99	99	47,36	0,04
198510	331	331	331	37,78	0,17
66104	405	405	440	39,65	0,62
25484	155	155	155	100,00	0,61
39998	0	0	0	100,00	0,00
9126	0	0	0	100,00	0,00
1.058.928	1.555	1.555	1.606	46	0

TABLE 3
GREECE

TABLE 3
Targets on qualification of herds and animals

NOMOS	Total number of herds and animals under the programme		Targets on the		
			Expected Unknown		Expected
	Herds	Animals	Herds	Animals	Positiv
CORFU	282	13824			2
LEFKADA	372	17411			1
KEFALONIA	1209	179612	559	15600	20
CHIOS	283	38409			8
SAMOS	607	38185			0
KYKLADES	4335	238495			0
DODEKANISA	458	112066			3
ZAKINTHOS	169	10526			0
CHANIA	4397	412113	3037	290345	0
RETHIMNO	3167	487983	800	120000	5
HERAKLIO	3176	525390	2020	330659	25
LASITHI	1135	164207			15
PIREUS	329	25484			10
THASOS	281	39998			6
SKOPELOS	68	9126			0
TOTAL	20.268	2.312.829	6.416	756.604	95

Disease: *Ovine and caprine Brucellosis*

Disease: *Ovine and caprine Brucellosis*

Species: *É Ovine and caprine*

status of herds and animals under the programme at the end of reported year								
ected Not free/not officially free			Expected Officially free suspended		Expected Free		Expected Officially free	
ive			Negative					
Animals	Herds	Animals	Herds	Animals	Herds	Animals	Herds	Animals
200	0	0	258	12674	0	0	22	950
50	0	0	230	11061	0	0	141	6300
2980	200	89332	215	35850	0	0	215	35850
1100	0	0	252	35254	0	0	23	2055
0	0	0	567	35885	0	0	40	2300
0	0	0	3453	189985	0	0	882	48510
350	0	0	382	71139	0	0	73	40577
0	0	0	169	10526	0	0	0	0
0	800	67438	280	27165	0	0	280	27165
780	2162	337203	100	15000	0	0	100	15000
4200	371	61215	380	64658	0	0	380	64658
2180	0	0	895	133643	0	0	225	28384
780	0	0	215	16475	0	0	104	8229
890	0	0	230	32718	0	0	45	6390
0	0	0	68	9126	0	0	0	0
13.510	3.533	555.188	7.694	701.159	0	0	2.530	286.368

TABLE 5

GREECE

TARGETS ON DIAGNOSTIC TESTS

YEAR: 2006

DISEASE: OVINE AND CAPRINE BRUCELLOSIS

ANIMAL SPECIES: SHEEP AND GOATS

Region	Type of the test	Target population	Type of sample	Objective	Number of planned tests
Whole Country	Test: ROSE BENGAL		Blood sample		500.000
	Test:CFT		Blood Serum		300.000
TOTAL (SEROLOGY) = 800.000					

Specification	Cost related to the ovine and caprine control and eradication programme 2006
	1. Testing
	Cost of the analysis
	Test: Rose Bengal
	Test: CFT
	Test:
	Cost of sampling
	Other costs
	2. Vaccination or treatment
	Purchase of vaccine / treatment
	Rev-1
	Distribution costs
	Administering costs
	Control costs
	3. Slaughter and destruction
	Compensation of animals
	Transport costs
Specification	Cost related to
	Destruction costs
	Loss in case of slaughtering
	Costs from treatment of products (milk, eggs, hatching eggs, etc)

ANNEX III
Detailed analysis of the cost of ovine and caprine brucellosis control and er

4. Cleaning and disinfection	
5. Salaries (staff contracted for the programme only)	
6. Consumables and specific equipment	
7. Other costs	
	TOTAL

TABLE 1
OVINE AND CAPRINE ERADICATION PROGRAMME 2004 IMPLEMENTATION

	NOMOI	FLOCKS TESTED	POSITIVE FLOCKS	SHEEP & GOAT TESTED	POSITIVE SHEEP & GOATS
1.	LEYKADA	44	1	2620	1
2.	KEFALLINIA	11	0	2529	0
3.	XIOS	130	0	4798	0
4.	SAMOS	21	1	1116	1
5.	KYKLADES	68	0	921	0
6.	ZAKYNTHOS	0	0	0	0
7.	RETHYMNO	18	0	1185	0
8.	HRAKLIO	11	2	1262	52
9.	LASITHI	317	27	22255	106
10.	PEIREAS	37	6	1889	202
11.	DODEKANISSA	82	0	5203	0
TOTAL		739	37	43778	362

TABLE 2
 EPIDEMIOLOGICAL SITUATION AT THE END OF THE YEAR 2004.
 ERADICATION ZONE (ISLANDS OF GREECE)

NOMOS	EXISTED FLOCKS	FLOCK HEALTH STATUS						EXISTED ANIMALS	ANIMAL HEALTH STATUS					
		M1	M2	M+	M4	M4Susp	M1		M2	M+	M4	M4Susp.		
1	LEFKADA	365	15	252	1	8	89	17206	1268	9980	80	872	5006	
2	KEFALONIA	1209	0	988	4	15	202	179612	0	143229	507	3349	32527	
3	CHIOS	283	48	35	4	196	0	38409	810	849	1104	35646	0	
4	SAMOS	720	121	71	0	460	68	43466	6347	4404	0	25666	7049	
5	KYKLAIDES	4335	0	1097	0	3238	0	238495	0	45714	0	192781	0	
6	ZAKINTHOS	169	0	0	0	169	0	10526	0	0	0	10526	0	
7	RETHIMNO	5062	2994	2068	0	0	0	1086850	800509	286341	0	0	0	
8	HERAKLIO	3268	556	695	11	121	1885	533661	103559	113241	3423	14910	298528	
9	LASITHI	1178	38	267	18	855	0	186791	1654	55304	6363	123470	0	
10	PIREIOS	482	309	1	2	170	0	37033	24759	41	67	12166	0	
11	DODEKANISA	1605	0	82	0	34	1489	160791	0	8200	0	3500	149091	
TOTAL		18.677	4.082	5.558	40	5.270	3.733	2.532.840	938.907	667.305	11.544	422.886	492.201	

FINAL REPORT ON OVINE AND CAPRINE BRUCELLOSIS CONTROL AND ERADICATION PROGRAMME FOR THE YEAR 2004

Introduction

The 2004 ovine and caprine Brucellosis control and eradication programme was implemented in mainland and islands of Greece. The program was approved and co-financed by the E.U. based on the Decision 2003/849/EC as amended by the Commission Decision 2004/923/EC. Greece is divided in 54 prefectures - Nomos. For the implementation of brucellosis control and eradication programme the country is divided in two parts in which different policies and measures are applied, the control strategy (mass vaccination of young and adult female small ruminants) and the eradication policy based on testing and slaughter of positive reactors receptively.

EPIDEMIOLOGICAL SITUATION IN THE MAINLAND – DATA ANALYSIS

Mass vaccination carried out in the Mainland. More than 1.000.000 sheep and goats (1.007.185) were vaccinated during 2004, but the validated data is coming only from the prefectures, which are using the computerized management system to report the vaccinations actions on daily basis. Therefore, Vaccination Data from the areas where the electronic reporting system is functional and connected to the central Data Base, reveal 19.410 vaccinated flocks with 455.553 adult and 351.632 young vaccinated sheep and goats respectively during 2004 (Table 1/ file attached: Results Bme/ 2004 R1). The overall up to date flock and animal vaccination coverage at the end of the year 2004 is recorded 66,34% and 62% respectively. The within flock vaccination coverage has an estimate of 85,49%.

EPIDEMIOLOGICAL SITUATION IN THE ISLANDS – DATA ANALYSIS

In the islands (eradication zone), except Evia, Lesvos and Leros the 2004 flock and animal prevalence of brucellosis in tested sheep and goats is 5 % and 0,82 % respectively. The island of Lesvos has been excluded from the eradication policy and mass vaccination has been implemented since 2003. In Leros, vaccination started in 2005 and will be continued during 2006.

The high *Brucella Melitensis* prevalence within eradication zone is mainly due to the significant increase of positive reactors reported in Lasithi of Creta for the year 2004.

The results of the eradication programme for the year 2004 is presented in Table 2.

BOVINE VACCINATION WITH REV 1 VACCINE

As an additional preventive measure under the existing control brucellosis programme for sheep and goats, free-ranged bovines that are sharing common pastures with small ruminants, were vaccinated with REV-1 vaccine in order to reduce the spread of *Brucella* infection in the field.

The 2004 Bovine vaccination Data is given in Table 3.

TABLE 1
VACCINATION PROGRAMME – FOLLOW UP
WHOLE COUNTRY - GREECE
REPORTING PERIOD: 1/1/2004 – 31/12/2004

Region-Nomros	Flocks	VACCINATED FLOCKS		NEW VACCINATED FLOCKS (Previously non vaccinated)		
		Vaccinated adult sheep & Goats	Vaccinated young sheep & Goats	Flocks	Vaccinated adult sheep & Goats	Vaccinated young sheep & Goats
ETOLUNIA	362	8.722	7.950	397	29.452	4.301
ARGOLIDA				85	10.000	
ARKADIA	739	15.507	11.838	402	36.430	5.346
ARTA	161	24	4.359	299	12.511	0
ANAT.ATTIKI	94	1.042	3.879	11	863	108
DYT.ATTIKI	250		9.478			

AXAIA	578	5.702	14.650	138	5.389	662
VIOTIA	292	3.981	8.926	83	7.672	1.072
GREBENA	287	2.411	10.020	12	638	123
DRAMA	75	1.473	2.561	0	0	0
EVROS	428	2.853	10.437	16	267	267
EVIA				260	20.000	
EYRYTANIA				223	14.565	
HLIEIA	54	4.676	1.375	58	4.477	519
HMATHIA	452	3.952	10.531	0	0	0
THES/NIKI				1.300	37.036	
IOANNINA	5.015	20.564	68.863	1.398	64.397	9.410
KAVALA	230	2.249	8.478	19	1.411	684
KARDITSA	86	569	1.482	106	5.594	997
KASTORIA	706	31.821	17.266	6	11	0
KILKIS	474	4.000	16.260	35	3.651	684
KOZANH	9	0	198	0	0	0
LAKONIA	313	3.277	10.335	84	3.500	1.507
LESVOS				128		12.476
MAGNHSIA	37	1.457	1.160	97	3.814	661
XANTHI	78	895	4.228	18	654	988
PELLA				220	10.484	
RODOPI	1.169	11.449	30.938	146	8.451	2.340
SERRES	353	604	8.840	83	14.100	1.637
TRIKALA				14	921	
FLORINA	607	413	13.810	78	12.132	2.311
FOKIDA	238	4.892	6.146	87	3.158	486
XALDIKH	433	2.366	18.827	70	7.007	2.218
ATHINA				17	2.069	
TOTAL	13.520	134.899	302.835	5.890	320.654	48.797

Flocks	19,410	Additional vaccinated sheep	200,000
Vaccinated sheep & Goats	867,185	& goats	

TOTAL	1,007,185
-------	-----------

REMARK:

It is estimated that 200,000 small ruminants have been additionally vaccinated and the relative data has not yet entered into the computerized management system due to technical reasons and lack of assistant staff.

**TABLE 2 .
OVINE AND CAPRINE ERADICATION PROGRAMME. 2004 IMPLEMENTATION**

	NOMOI	FLOCKS TESTED	POSITIVE FLOCKS	SHEEP & GOAT TESTED	POSITIVE SHEEP & GOATS
1.	LEYKADA	44	1	2620	1
2.	KEFALLINIA	11	0	2529	0
3.	XIOS	130	0	4798	0
4.	SAMOS	21	1	1116	1
5.	KYKLADES	68	0	921	0
6.	ZAKYNTHOS	0	0	0	0
7.	RETHYMNO	18	0	1185	0
8.	HRAKLIO	11	2	1262	52
9.	LASITHI	317	27	22255	106
10.	PEIREAS	37	6	1889	202
11	DODEKANISSA	82	0	5203	0
TOTAL		739	37	43778	362

TABLE 3.
Bovine Vaccination with the REV 1 vaccine under the ovine and caprine Brucellosis control and eradication programme. Year 2004.

	HERDS AND ANIMALS UNDER THE PROGRAMME		VACCINATED BOVINE HERDS				NON-VACCINATED BOVINE HERDS					
	HERDS	ANIMALS	HERDS	ANIMALS	ANIMALS		HERDS	ANIMALS	ANIMALS			
					VACCINATED	NON VACCINATED			COWS	OTHER BOVINES	COWS	OTHER BOVINES
THESPROTIA	31	1385	21	1067	706	361	0	0	10	318	241	77
FLORINA	32	1414	27	1387	914	348	125	0	5	27	25	2
IOANNINA	142	7828	137	7757	4738	606	2413	0	5	71	45	26
KASTORIA	20	900	6	434	155	95	173	0	14	466	178	288
PREVEZA	29	3756	28	3705	2581	249	875	0	1	51	51	0
GREVENA	20	2030	26	2030	998	225	907	0	0	0	0	0
SERRES	45	3804	37	3134	1700	570	964	0	8	670	401	269
TRIKALA	165	8672	159	8520	7194	644	682	0	6	152	80	72
ETHIOTIDA	14	798	14	798	372	143	283	0	0	0	0	0
EYRYTANIA	1	69	1	69	35	7	27	0	0	0	0	0
FOKIDA	38	2564	19	1025	351	358	316	0	19	1539	1329	210
KARDITSA	64	1404	42	1147	641	255	251	0	22	257	175	82
KAZANI	42	3104	34	2583	826	884	873	0	8	521	328	193
ETOLINIA	879	36185	12	722	384	241	97	0	867	35463	19980	15483
EVROS	61	5281	42	3700	1752	628	1320	0	19	1531	990	591
ΣΥΝΟΛΟ	1.589	79.194	605	38.078	23.357	5.615	9.106	984	41.116	23.823	17.293	

BRUCELLOSIS IN HUMANS

Recent incidence data (year 2004) from the Ministry of Health indicates 2.04 cases of human brucellosis per 100.000 persons. The majority of cases are mainly due to *Brucella melitensis* infection.

GENERAL OUTLINE AND PROGRAMME DESCRIPTION AT GLANCE

Susceptible population (Data 2004)

12. 883.474 sheep and Goats, in 126.160 Flocks.

Surveillance system

The control program for ovine and caprine brucellosis is in force in the mainland (includes mass vaccination policy in young and adult sheep and goat population) and Brucellosis eradication program runs in islands.

Method used

Registration and identification systems applied in animals.

Serological test (test and slaughter policy) in animals raising in the islands.

Animal mass vaccination in the mainland.

Case definition

Infected animal: Animal positive to serological tests.

Infected herd: Herd with one or more animals positive .

Vaccination policy

Vaccination according to the control program.

Measures in case of positive findings (according to the eradication program)

Slaughter of positive animals.

Ban of animal movement from and to the infected herd.

Re-examination of the herd and re establishment of the "brucellosis free" health status.

Epidemiological history

Ovine and caprine brucellosis due to *B. melitensis* is a significant disease for both public health and animal production in Greece. During the last years a control and eradication program is running by the veterinary services of the Ministry of Rural Development and Food. The aim of the program is to control the incidence and prevalence of the disease in areas of the country where these estimates are reported high, by vaccination of lambs and kids. At the same time, in the remaining parts of the country, where the prevalence of the disease is reported low among sheep and goat flocks and no cases of brucellosis have been reported in humans, an eradication program is implemented by test and slaughter policy.

Relevance as zoonotic disease

The relevance of the disease as zoonose is very high.

Source of human infection

Mainly from animal contact and consumption of dairy products of unknown origin and hygiene quality. (especially, consumption of dairy products prepared from non pasteurized milk or immature types of sheep and goat cheese).

Please find below the correct Revised version of the 2004 financial report as appeared in the document (has already been sent to the Commission in due time) containing the final report of the control and eradication programme in sheep and goats. The related previous report on this programme with the same text format is not valid and has to be erased.

Financial evaluation. Summary report:

Member State: Greece

Reference Year: **2004**

Reporting Period: Jan- Dec 2004

Report status: Final

Financial data referring to the Ovine and Caprine Control and Eradication Brucellosis programme expenditures are presented and analyzed below (Table 4) :

TABLE 4

REGIONS: APPLIED in the Whole country (mainland and islands)	EXPENDITURES IN EURO (approx.)
ELIGIBLE COMPENSATION FOR FARMERS {COMPULSORY SLAUGHTERS OF REACTORS (eradication zone) and male positive indicators (mainland)} : Brucella Positive sheep and Goats)	144.996,04
• PURCHASE OF VACCINES (REV 1)	100.718,50
LABORATORY TESTS	26.509,60
SALARIES (STUFF WITH A 12-MONTH CONTRACT FOR THE PROGRAMME ONLY)	2.600.000
TOTAL ELIGIBLE EXPENSES	2.872.224,14

REV-1 VACCINATION FOLLOW-UP IN SEMI-WILD BOVINES
REPORTING PERIOD : JAN - DEC 2004

UNDER THE B. MELITITENSIS CONTROL AND ERADICATION PROGRAMME

REGION	HERDS AND ANIMALS UNDER THE PROGRAMME				VACCINATED BOVINE HERDS				NON-VACCINATED BOVINE HERDS					
	HERDS	ANIMALS	HERDS	ANIMALS	VACCINATED		NON-VACCINATED		HERDS	ANIMALS	COWS	OTHER BOVINES	ANIMALS	
					HERDS	ANIMALS	COWS	OTHER BOVINES					COWS	OTHER BOVINES
THESSALY	31	1385	21	1067	706	361	0	10	318	241	77			
FLORINA	32	1414	27	1387	914	348	125	5	27	25	2			
IOANNINA	142	7828	137	7757	4738	606	2413	5	71	45	26			
KASTORIA	20	900	6	434	165	96	173	14	466	178	288			
PREVEZA	29	3756	28	3705	2581	249	875	1	51	51	0			
GREVENA	28	2030	26	2030	998	225	807	0	0	0	0			
SERRES	45	3804	37	3134	1700	570	864	8	670	401	269			
TRIKALA	165	6672	159	6520	7194	644	682	6	152	80	72			
FTHIOTIDA	14	798	14	798	372	143	283	0	0	0	0			
EYRYTANIA	1	69	1	69	35	7	27	0	0	0	0			
FOKIDA	38	2564	19	1025	351	358	316	19	1539	1329	210			
KARDITSA	64	1404	42	1147	641	255	251	22	257	175	82			
KAZANI	42	3104	34	2583	825	894	873	8	521	328	193			
ETOLMIA	879	36185	12	722	384	241	97	867	35453	19980	16483			
EVROS	61	5281	42	3700	1752	628	1320	19	1581	990	591			
ΣΥΝΟΛΟ	1.589	79.194	605	38.078	23.357	5.615	9.106	984	41.116	23.823	17.293			

BRUCELLA MELITENSIS CONTROL PROGRAMME
 REPORTING PERIOD: 11/2004 - 31/12/08
 IMPLEMENTATION OF VACCINATION PROGRAMME IN THE MAINLAND OF GREECE

TABLE 1
VACCINATION DATA PER NOMOS

Region-Nomos	Flocks	Vaccinated adult sheep & Goats	Vaccinated young sheep & Goats	Flocks	Vaccinated adult sheep & Goats	Vaccinated young sheep & Goats
--------------	--------	--------------------------------	--------------------------------	--------	--------------------------------	--------------------------------

ETOLIA	362	8.722	7.959	397	29.452	10.000
ARGOLIDA	739	15.907	11.838	402	38.430	5.348
ARTA	181	24	4.358	298	12.511	0
ANATOLIKI	94	1.042	3.879	11	883	108
DYTATIKI	250	9.478	9.478			662
AXAIA	578	5.702	14.650	138	5.389	1.073
VOTIA	292	3.981	8.926	83	7.672	123
GREBENA	287	2.411	10.020	12	638	0
DRAMA	75	1.473	2.681	0	0	267
EVROS	428	2.853	10.437	16	287	
EVIA				200	20.000	
EYRYANIA				223	14.585	
HLIEIA	54	4.078	1.375	58	4.477	519
HMAITHIA	452	3.952	10.531	0	0	0
THESSALIKI	5.015	20.564	88.853	1.398	64.387	9.410
IOANNINA	230	2.249	8.478	19	1.411	684
KAVALA	86	569	1.482	106	5.594	997
KARDITSA	708	31.621	17.266	8	11	0
KASTORIA	474	4.000	16.260	35	3.651	684
KIKKIS	9	0	198	0	0	0
KOZANH	313	3.277	10.335	84	3.500	1.507
LESVOS	37	1.457	1.150	97	3.814	12.476
MAGNHSHIA	78	895	4.228	18	654	651
XANTHI	1.189	11.448	30.938	146	10.484	588
RODOPH	358	804	8.840	83	14.100	2.340
SERRES	607	413	13.810	78	12.132	1.637
FLORINA	238	4.892	6.146	87	3.158	2.311
FOKIDA	433	2.366	18.827	70	7.007	486
XALDKIKH				17	2.068	2.218
ATTHINA	13.620	134.899	302.835	5.890	320.654	48.797
TOTALS						

19.410
 807.186

TOTAL

Remarks: Seven (7) prefectures in the mainland of Greece did not report via the electronic system.
 The number of these prefectures are available in the Regional Veterinary Directorates
 The number of the additional vaccinated animals from the remaining areas (without electronic submission of vaccination data) is estimated to be 200.000 in total.

Member State : GREECE

Targets on the testing of herds

ANNEX I

2007 TARGETS ON ERADICATION PROGRAMME IN ISLANDS (ERADICATION ZONE)

TABLE 1

Disease: *Ovine and caprine Brucellosis*
Species: *Ovines and caprines*

DATA ON HERDS

NOMOS	2007													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	Total Number of herds	Total Number of herds under the programme	No. of herds expected to be checked	No. of expected positive herds	No. of expected new positive herds	No. of herds expected to be depopulated	No. of herds expected to be depopulated	Expected % herd coverage	% positive herds Expected period/ herd prevalence	% new positive herds Expected herd incidence				
CORFU	282	282	205	0	0	0	0	72,70	0,00	0,00				
LEFKADA	372	372	272	4	3	0	0	73,12	1,47	1,10				
KEFALONIA	1.209	1.209	657	12	9	0	0	54,34	1,83	1,37				
CHIOS	283	283	206	4	3	0	0	72,79	1,94	1,46				
SAMOS	607	607	117	4	2	0	0	19,26	3,42	1,71				
KYKLADES	4.335	4.335	474	0	0	0	0	10,93	0,00	0,00				
DODEKANISA	458	458	182	14	6	1	1	39,74	7,69	3,30				
ZAKINTHOS	169	169	123	0	0	0	0	72,78	0,00	0,00				
CHANIA	4.397	4.397	1.314	0	0	0	0	29,88	0,00	0,00				
RETHIMNO	3.167	3.167	1.086	7	5	0	0	34,58	0,64	0,46				
HERAKLIO	3.176	3.176	876	21	17	0	0	27,58	2,40	1,94				
LASITHI	1.135	1.135	329	28	8	0	0	28,90	8,54	2,44				
PIREUS	329	329	240	25	14	1	1	72,95	10,42	5,83				
THASOS	281	281	205	3	2	0	0	72,95	1,46	0,98				
SKOPELOS	68	68	50	0	0	0	0	73,53	0,00	0,00				
TOTAL	20.268	20.268	6.344	122	69	2	2	31,30	1,92	1,09				

TABLE 2

Member State :GREECE

Targets on the testing of animals

REF. YEAR 2007

TABLE 2

Disease: Ovine and caprine Brucellosis
Ovines and caprines

DATA ON ANIMALS

	Total Number of animals	Total Number of animals under the programme	No. of animals expected to be tested	No. of expected positive animals	Slaughtering			TARGET INDICATORS	
					No. of animals with positive result expected to be slaughtered or culled	Total number of animals expected to be slaughtered	Expected % coverage at animal level	% positive animals expected at animal prevalence	
CORFU	13824	13824	7798	0	0	0	55,98	0,00	
LEFKADA	17411	17411	9803	10	10	10	56,30	0,10	
KIPHALONIA	179612	179612	75156	96	96	96	41,84	0,13	
CHIOS	38409	38409	21528	29	29	29	56,05	0,14	
SAMOS	38185	38185	6667	13	13	13	14,84	0,24	
KYKLADES	238495	238495	20080	0	0	0	8,42	0,00	
DODEKANISA	112066	112066	34290	184	184	284	30,50	0,54	
ZAKINTHOS	10526	10526	5899	0	0	0	56,04	0,00	
CHANIA	412113	412113	94830	0	0	0	23,01	0,00	
RETHIMNO	487983	487983	129916	58	58	58	26,62	0,04	
HERAKLIO	525390	525390	111563	186	186	186	21,24	0,17	
LASTIHI	164207	164207	36639	217	217	217	22,25	0,59	
PIRFOS	25484	25484	14314	104	104	214	56,17	0,73	
THASOS	39998	39998	22469	23	23	23	66,17	0,10	
SKOPELOS	9126	9126	5167	0	0	0	56,62	0,00	
TOTAL	2.312.829	2.312.829	594.979	920	920	1.130	25,73	0,15	

TABLE 3
GREECE

REF. YEAR 2007

Disease: *Ovine and caprine Brucellosis*

TABLE 3
Targets on qualification of herds and animals

Species: *£ Ovine and caprine*

NOMOS	Total number of herds and animals under the programme		Targets on the status of herds and animals under the programme at the end of reported year											
	Expected Unknown		Expected Not free/not officially free				Expected Officially free suspended		Expected Free		Expected Officially free			
	Herds	Animals	Herds	Animals	Positive Herds	Positive Animals	Negative Herds	Negative Animals	Herds	Animals	Herds	Animals	Herds	Animals
CORFU	282	13.824	0	0	1	175	0	0	259	13.421	0	0	22	228
LEFKADA	372	17.411	0	0	1	48	0	0	230	11.698	0	0	141	5.665
KEFALONIA	1.209	179.612	501	11.800	12	2.480	210	89.532	250	41.136	0	0	236	34.864
CHIOS	283	38.409	0	0	4	5.100	0	0	255	31.281	0	0	24	2.028
SAMOS	607	38.185	0	0	0	0	0	0	567	36.917	0	0	40	1.268
KYKLADES	4.335	238.495	0	0	0	0	0	0	3.453	195.447	0	0	882	43.048
DODEKANISA	458	312.066	0	0	7	350	0	0	380	73.184	0	0	71	38.532
ZAKINTHOS	169	10.526	0	0	0	0	0	0	169	10.526	0	0	0	0
CRANIA	4.397	412.113	2.937	220.445	0	0	834	70.438	313	78.902	0	0	313	42.328
RETHIMNO	3.167	487.983	800	91.462	5	745	2.182	377.203	90	9.000	0	0	90	9.573
EUPRAKLIO	3.176	525.390	1.800	305.643	20	2.287	377	62.116	489	89.504	0	0	490	65.840
LASTIVII	1.135	164.207	0	0	12	1.980	0	0	896	137.660	0	0	226	24.567
PIREUS	329	25.484	0	0	10	760	0	0	215	16.966	0	0	104	7.758
ITHASOS	281	39.998	0	0	6	810	0	0	230	33.729	0	0	45	5.459
SKOPELOS	68	9.126	0	0	0	0	0	0	68	9.126	0	0	0	0
TOTAL	20.268	2.312.829	6.038	629.150	78	14.735	3.603	599.289	7.864	788.497	0	0	2.685	281.159

ANNEX II
TABLE 4

DATA ON SURVEILLANCE AND LABORATORY TESTS

GREECE

DATA ON SEROLOGICAL, MICROBIOLOGICAL AND VIROLOGICAL TESTS

YEAR: 2005

DISEASE: OVINE AND CAPRINE BRUCELLOSIS

ANIMAL SPECIES: SHEEP & GOATS

REGION : Whole Country 17 National Vet Labs	Serological tests		Microbiological or virological test		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
Test category			Microbiology			
Serology			Animal Fetus			
Compliment of Fixation	7.584	1.075	53	7		
Rose Bengal	63.531	2.038				
Elisa - blood serum	226	79				
Total *	71.341	3.192	53	7		

Completed Laboratory Data records remained at the Lab Veterinary Authorities

Description of the used serological tests:

Compliment of Fixation
Rose Bengal
Elisa- Sera

Description of the used microbiological tests:

Applied on animal fetuses

TABLE 5 GREECE

TARGETS ON DIAGNOSTIC TESTS

YEAR: 2007

DISEASE: OVINE AND CAPRINE BRUCELLOSIS

ANIMAL SPECIES: SHEEP AND GOATS

Region	Type of the test	Target population	Type of sample	Objective	Number of planned tests
Whole Country	Test: ROSE BENGAL		Blood sample		400.000
	Test: CFT		Blood Serum		200.000
TOTAL (SEROLOGY) = 600.000					

ANNEX III

TABLE 1

GREECE

Detailed analysis of the cost of ovine and caprine brucellosis control and eradication programme

Cost related to the ovine and caprine control and eradication programme 2007	Specification	Number of units	Unitary cost in Euro	Total amount in Euro	Community funding requested (yes/no)
1. Testing					
Cost of the analysis	Test Rose Bengal	400 000	0,3	120 000	yes
	Test CFT	200 000	0,6	120 000	yes
	Test				
Cost of sampling		600 000	0,4	240 000	yes
Other costs					
2. Vaccination or treatment					
Purchase of vaccine / treatment	Rev-1	1 500 000	0,2	300 000	yes
Distribution costs					
Administering costs					
Control costs					
3. Slaughter and destruction					
Compensation of animals		1 130	Average compensation 100	113 000	yes
Transport costs					
Destruction costs					
Loss in case of slaughtering					
Costs from treatment of products (milk, eggs, infertile eggs, etc)					
4. Cleaning and disinfection					
5. Salaries (staff contracted for the programme only)					
		116	18 000	2 088 000	yes
6. Consumables and specific equipment					
7. Other costs					
TOTAL				2 981 000	
				Request for CoF	1 480 500

TABLE 1 ANNEX II

Targets on vaccination or treatment of herds and animals for the year
Disease^(a): Ovine and caprine brucellosis Species: Sheep and Goats

Region ^(b)	Total number of herds ^(c)	Total number of animals	Number of herds in vaccination programme	Targets of the
				Number of herds to be vaccinated
EVROS	1.801	194.713	1.801	1.435
RODOPI	2.350	277.136	2.350	1.873
XANTHI	1.371	161.092	1.371	1.092
KAVALA	933	186.408	933	746
DRAMA	491	132.493	491	391
SERRES	1.917	301.223	1.917	1.527
THES/NIKI	1.635	312.803	1.635	1.303
CHALKIDIKI	791	182.792	791	630
KILKIS	1.159	182.869	1.159	980
EVIA	3.940	329.759	3.940	3.139
PELLA	1.327	196.661	1.327	1.057
IMATHIA	899	102.099	899	716
PIERIA	934	136.550	934	745
KOZANI	2.027	239.714	2.027	1.615
FLORINA	784	109.268	784	625
KASTORIA	553	82.729	553	441
GREVENA	1.353	118.414	1.353	1.078
LARISSA	5.501	806.641	5.501	4.384
MAGNISIA	1.545	192.682	1.545	1.231
KARDITSA	5.096	241.281	5.096	4.061
TRIKALA	3.698	341.268	3.698	2.947
EVROTANIA	1.459	89.686	1.459	1.162
FTHIOTIDA	4.264	300.981	4.264	3.398
IOANNINA	7.515	503.053	7.515	6.988
THESPROTIA	3.349	281.200	3.349	2.669
PREVEZA	3.643	252.958	3.643	2.903
ARTA	2.582	257.149	2.582	2.508
VIOTIA	1.963	209.848	1.963	1.564
FOKIDA	1.589	164.723	1.589	1.267
ETOL/NTIA	10.498	1.104.853	10.498	8.367
PIREUS	341	25.545	341	272
ATTIKI	1.587	186.744	1.587	1.264
ARGOLIDA	1.997	192.884	1.997	1.592
ARKADIA	3.434	294.829	3.434	2.737
ACHAIA	5.723	456.136	5.723	4.560
ILIA	3.419	238.455	3.419	2.724
KORINTHIA	1.620	189.357	1.620	1.291

LAKONIA	1.531	170.865	1.531	1.220
MESSINIA	3.085	160.840	3.085	2.459
LESVOS	3.757	329.802	3.757	2.994
DODEKANISA	101	9.822	101	87
Total	103.562	10.247.325	103.562	83.042

- (a) *Disease and species if necessary*
- (b) *Region as defined in the approved eradication programme of the Member State*
- (c) *Herds equals flocks, or holdings as appropriate*
- (d) *As defined in the programme*

ar 2007

e vaccination programme on young animals		Number of herds in vaccination programme	Number of herds to be vaccinated
Number of animals to be vaccinated	Number of doses of vaccine to be administered		
18.619		1.801	425
26.501		2.350	531
15.404		1.371	319
17.826		933	213
12.669		491	128
28.804		1.917	425
29.912		1.635	425
17.479		791	159
17.487		1.159	266
31.533		3.940	956
18.805		1.327	319
9.763		899	213
13.058		934	234
22.922		2.027	531
10.449		784	159
7.911		553	128
11.323		1.353	298
77.040		5.501	903
18.425		1.545	372
23.072		5.096	956
32.634		3.698	903
8.577		1.459	266
28.781		4.264	1.063
48.105		7.515	638
26.890		3.349	797
24.189		3.643	903
24.589		2.582	584
20.066		1.963	404
15.752		1.589	319
105.652		10.498	2.656
2.443		341	85
17.857		1.587	372
18.445		1.997	383
28.193		3.434	744
43.618		5.723	956
22.802		3.419	744
18.107		1.620	372

16.339		1.531	319
15.381		3.085	691
31.537		3.757	956
939		101	74
979.898		103.562	22.185

Targets on a mass vaccination programme

Number of adult animals ^(d) to be vaccinated	Number of young ^(d) animals to be vaccinated	Total Number of doses of vaccine to be administered in young and adult animals
13.813		32.432
21.250		47.751
11.688		27.092
10.625		28.451
10.519		23.188
21.250		50.054
24.438		54.350
11.688		29.167
10.625		26.112
25.500		57.033
12.750		31.555
7.438		17.201
10.625		23.683
18.063		40.985
8.500		18.949
6.375		14.286
6.906		18.229
58.438		135.478
12.750		31.175
19.126		42.197
26.563		59.197
6.375		14.952
23.375		52.156
21.250		69.355
21.250		48.140
17.000		41.189
17.000		41.589
12.750		32.816
10.625		26.377
79.688		185.340
2.125		4.568
10.625		28.482
11.688		30.133
21.250		49.443
29.750		73.368
14.875		37.677
10.625		28.732

12.750		29.089
11.688		27.069
26.563		58.100
2.656		3.595
712.831		1.692.729

REFERENCE YEAR: 2005

**SHEEP AND GOAT BRUCELLOSIS MELITENSIS ERADICATION PROGRAMME
PROGRAMME SUMMARY RESULTS**

	TESTED HERDS	POSITIVE FLOCKS	TESTED ANIMALS	POSITIVE ANIMALS	HERD PREVALENCE	ANIMAL PREVALENCE
DODEKANISA	198	6	12.329	187	3,03%	1,52%
ZAKYNTHOS						
HRAKLEIO	10	3	1.790	29	30,00%	1,62%
KAVALA	44	5	1.966	48	11,36%	2,42%
KERKYRA						
KEFALHНИЯ	24	10	2.786	101	41,67%	3,63%
KYKLADES	260	0	7.619	0	0,00%	0,00%
LASITHI	136	17	13.620	111	12,50%	0,81%
LEYKADA	160	2	11.182	4	1,25%	0,04%
PIREAS	13	2	600	2	15,38%	0,33%
RETHYMNO	31	0	5.023	0	0,00%	0,00%
SAMOS						
CHANIA						
XIOS	41	2	2.020	4	4,88%	0,20%
TOTAL	917	47	58.955	486	5,13%	0,82%

SHEEP AND GOAT B.MELITENSIS ERADICATION PROGRAMME, EPIDEM. SITUATION AT THE END OF 2006

HEALTH STATUS AT FLOCK LEVEL							
NOMOS	EXISTING FLOCKS	EXISTING FLOCKS UNDER THE ER. PROGRAMME	M1	M2	M+	M4 SUSPENDED	M4
DODEKANISA		1.180	0	691	60	301	128
ZAKYNTHOS		169	0	0	0	0	169
HRAKLEIO		3.889	177	473	1	3128	90
KAVALA		418	0	221	6	0	191
KERKYRA		0	0	0	0	0	0
KEFALHIA		1.210	0	986	4	198	22
KYKLADES		4.335	0	840	0	0	3495
LASITHI		1.136	41	275	13	0	807
LEYKADA		381	18	237	2	30	94
PIREAS		482	309	1	2	0	170
RETHYMNO		5.082	2.974	2088	0	0	0
SAMOS		712	121	86	0	65	460
CHANIA		0	0	0	0	0	0
XIOS		315	62	44	2	0	207
TOTAL		19.269	3.702	5.922	90	3.722	5.833
HEALTH STATUS AT ANIMAL LEVEL							
NOMOS	EXISTING ANIMALS	EXISTING ANIMALS UNDER THE ER. PROGRAMME	M1	M2	M+	M4 SUSPENDED	M4
DODEKANISA		115.050	0	64843	6475	32955	8777
ZAKYNTHOS		10.525	0	0	0	0	10525
HRAKLEIO		754.888	14.622	56363	376	674277	8248
KAVALA		57.746	0	22605	1889	0	33252
KERKYRA		0	0	0	0	0	0
KEFALHIA		179.326	0	142826	484	32060	3956
KYKLADES		238.495	0	26867	0	0	211608
LASITHI		190.410	2.114	56303	3791	0	126202
LEYKADA		17.529	417	7520	42	1044	8506
PIREAS		37.033	24.759	41	67	0	12166
RETHYMNO		1.087.050	796.900	290150	0	0	0
SAMOS		42.354	6.947	3803	0	8538	25666
CHANIA		0	0	0	0	0	0
XIOS		41.075	1.171	1415	1174	0	37315
TOTAL		2.771.479	846.330	672.756	16.298	746.874	489.221

FINAL REPORT ON OVINE AND CAPRINE BRUCELLOSIS CONTROL AND ERADICATION PROGRAMME FOR THE YEAR 2005

Introduction

The 2005 ovine and caprine Brucellosis control and eradication programme was implemented in mainland and islands of Greece. The program was approved and co-financed by the E.U. based on the Decision 2004/840/EC. Greece is divided in 54 prefectures - Nomos. For the implementation of brucellosis control and eradication programme the country is divided in two parts in which different policies and measures are applied, the control strategy (mass vaccination of young and adult female small ruminants) and the eradication policy based on test and slaughter of positive reactors receptively.

EPIDEMIOLOGICAL SITUATION IN THE MAINLAND - DATA ANALYSIS

Mass vaccination carried out in the Mainland. During 2005, based on vaccination records, **1.024.885** sheep and goats were vaccinated in accordance with the validated data as extracted from the computerized management system which receives reports for vaccination applications on daily basis. Further analysis and detailed statistics (flock and animal vaccination data, follow -up and up to date flock & animal coverage) are available through the central data base of the specific computerized system for monitoring and recording sheep and goat vaccination activities at national level (mainland) or through the attached excel file (*RESULTS BMEL 2005.xls - Table 1 of this report*).

EPIDEMIOLOGICAL SITUATION IN THE ISLANDS - DATA ANALYSIS

In the islands (eradication zone), except Evia, Lesvos and Leros, the 2005 flock and animal prevalence of brucellosis in tested sheep and goats was reported 5,13 % and 0,82 % respectively. The islands of Lesvos and Leros have been excluded from the eradication policy and belong to the mainland programme status.

The high 2005 *Brucella Melitensis* flock prevalence rate within eradication zone is mainly due to the significant increase of positive reactors reported from the regions Hraklio, Lasithi, Kefalinia and Pireas.

The results of the eradication programme for the year 2005 is presented in **Table 2**.

BOVINE VACCINATION WITH REV 1 VACCINE

As an additional preventive measure under the existing control brucellosis programme for sheep and goats, free-ranged bovines that are sharing common pastures with small ruminants, were vaccinated with REV-1 vaccine in order to reduce the spread of Brucella infection in the field.

The 2005 Bovine vaccination Data is given in Table 3.

TABLE 1
VACCINATION PROGRAMME - FOLLOW UP
MAINLAND - GREECE
REPORTING PERIOD: 1/1/2005 - 31/12/2005

Region-Nomos	Flocks	VACCINATED FLOCKS		NEW VACCINATED FLOCKS (Previously non vaccinated)		Vaccination Records	
		Vaccinated adult sheep & Goats	Vaccinated young sheep & Goats	Vaccinated adult sheep & Goats	Vaccinated young sheep & Goats	Manually Reported from Nomos (Newfold)	VACCINATED SHEEP AND GOATS
ETOLUNIA	568	15.551	11.438	539	41.216	6.126	
ARGOLIDA							5.522
ARKADIA	860	11.297	18.943	234	16.473	2.692	
ARTA	105	15	4.336	7	342	0	
ANAT.ATIHI	20	273	848	10	349	315	
DYT.ATIHI	192	155	4.381	10	222	131	
AXAIA	1.485	13.920	35.668	4	360	71	
VIOTIA	356	5.957	9.926	70	6.227	878	
GREBENA	301	4.857	9.577	28	1.878	408	

	189	3.908	8.326	2	1	138
DRAMA	189	3.908	8.326	2	1	138
EVROS	658	8.519	13.207	5	85	104
EVIA	16	21	451	81	3.404	461
EYRYTANIA						480
HLIEIA	17	492	721	49	7.227	999
HMATHIA	2.968	4.368	63.776	28	3.916	36
THES/NIKI						1.600
THESPROTIA						202
IOANNINA	1.554	4.640	22.170	457	21.132	2.944
KAVALA	229	535	10.684	60	18.039	483
KARDITSA	55	2.703	1.218	104	6.261	641
KASTORIA	561	4	13.256	5	0	166
KILKIS	518	2.391	20.549	90	3.959	2.430
KOZANHI	1.137	40	31.868	0	0	0
KORINTHIA						135
LAKONIA	361	2.493	10.570	100	4.815	1.088
LARISSA						975
LESVOS						60.648
MAGNHSIA	191	3.650	7.994	116	3.959	3.114
MESSHIA	378	8.632	2.602	212	11.461	864
XANTHI	38	1.983	1.809	221	32.958	6.214
PELLA						
PIERIA	817	897	25.767	1	2	30.900
PREVEZA	890	2.541	14.384	92	3.687	1.222
RODOI	1.003	2.859	23.579	87	355	348
SERRES	115	2.232	12.676	48	8.422	755
TRIKALA						
FTHIOTIDA	499	7.235	7.704	80	6.041	623
FLORINA	670	0	17.721	0	0	0
						358
						18.486

FOKIDA	262	2.694	7.268	71	2.728	277		
XALDIKI	385	7.159	20.347	58	8.546	1.580		
ATHINA	17	134	123	1	55	0		
TOTAL	17.395	122.955	433.787	2.870	214.118	35.140	3.750	218.915

TOTAL : ELECTRONIC SYSTEM RECORDS+ FILE RECORDS FROM SEVERAL PREFECTURES

Flocks	24.015
Vaccinated sheep & Goats	1.024.885

TABLE 2. OVINE AND CAPRINE ERADICATION PROGRAMME. IMPLEMENTATION IN 2005

	TESTED HERDS	POSITIVE FLOCKS	TESTED ANIMALS	POSITIVE ANIMALS	HERD PREVALENCE	ANIMAL PREVALENCE
DODEKANISA	198	6	12.329	187	3.03%	1.52%
HRAKLEIO	10	3	1.790	29	30.00%	1.62%
KAVALA	44	5	1.986	48	11.36%	2.42%
KEFALHINIA	24	10	2.786	101	41.67%	3.63%
KYKLADES	260	0	7.619	0	0.00%	0.00%
LASITHI	136	17	13.620	111	12.50%	0.81%
LEYKADA	160	2	11.182	4	1.25%	0.04%
PIREAS	13	2	600	2	15.38%	0.33%
RETHYMNIO	31	0	5.023	0	0.00%	0.00%
XIOS	41	2	2.020	4	4.88%	0.20%
TOTAL	917	47	58.955	486	5.13%	0.82%

TABLE 3 .

Bovine Vaccination with the vaccine REV 1 under the framework of ovine and caprine Brucellosis control and eradication programme, Year 2005.

NOMOI	HERDS AND ANIMALS UNDER THE PROGRAMME		VACCINATED BOVINE HERDS										NON VACCINATED BOVINE HERDS					
	HERDS	ANIMALS	HERDS	TOTAL ANIMALS	VACCINATED			NON VACCINATED			HERDS	TOTAL ANIMALS	COWS	MALE	OTHER BOVINES	MALE	OTHER BOVINES	
					ANIMALS	COWS	MALE	ANIMALS	COWS	MALE								
																		ANIMALS
ETOLOKANIA	879	36.185	13	827	459	249	0	119	0	866	35.358	19.907	0	15.451	0	15.451		
GREBENA	36	2.921	33	2.757	1.178	526	0	1.053	0	3	164	98	0	56	0	56		
DRAMA	44	1.890	32	1.653	863	200	0	590	0	12	237	135	0	102	0	102		
EVROS	99	5.771	49	4.421	2.938	530	0	953	0	50	1.350	437	0	913	0	913		
EVKITANIA	2	138	2	138	104	9	0	25	0									
HMATHIA	33	2.672	32	2.602	907	753	0	942	0	1	70	50	0	20	0	20		
THESPROTIA	74	3.596	29	1.756	1.137	291	0	328	0	45	1.840	1.341	0	499	0	499		
IOANNINA	228	13.134	201	12.107	7.606	1.482	0	1.561	1.458	27	1.027	574	0	185	0	185		
KARDITSA	51	1.399	51	1.399	878	368	0	113	40	0	0	0	0	0	0	0		
KASTORIA	15	1.163	13	1.079	647	86	0	347	0	2	84	65	0	19	0	19		
KOZANI	39	3.157	37	3.132	1.575	532	0	350	675	2	25	14	0	6	0	6		
PREVEZA	102	7.516	71	6.159	4.552	285	0	338	984	31	1.357	749	0	50	0	50		
SERRES	298	23.790	84	7.237	3.788	1.197	0	565	1.587	214	16.553	11.072	0	1.683	0	1.683		
TRIKALA	219	11.235	200	10.960	8.413	645	0	1.702	0	19	275	153	0	122	0	122		
ETHIOTIDA	30	2.394	27	1.948	753	538	17	424	216	3	446	177	0	269	0	269		
FLORINA	16	1.218	16	1.218	504	670	0	44	0	0	0	0	0	0	0	0		
ΣΥΝΔΑΟ	2.165	118.179	890	59.393	38.302	8.560	17	9.454	5.060	1.275	58.786	34.772	0	19.385	0	19.385		

GENERAL OUTLINE AND PROGRAMME DESCRIPTION AT GLANCE

Susceptible population (Data 2005)

13.363.974 sheep and Goats, in 123,851 Flocks.

Surveillance system

The control program for ovine and caprine brucellosis is in force in the mainland (includes mass vaccination policy in young and adult sheep and goat population) and Brucellosis eradication program runs in islands.

Method used

Registration and identification systems applied in animals.

Serological test (test and slaughter policy) in animals raising in the islands.

Animal mass vaccination in the mainland.

Case definition

Infected animal: Animal positive to serological tests.

Infected Flock: Flock with one or more animals positive .

Vaccination policy

Vaccination according to the control program.

Measures in case of positive findings (according to the eradication program)

Slaughter of positive animals.

Ban of animal movement from and to the infected herd.

Re-examination of the herd and re establishment of the "brucellosis free" health status.

Epidemiological history

Ovine and caprine brucellosis due to *B. melitensis* is a significant disease for both public health and animal production in Greece. During the last years a control and eradication program is running by the veterinary services of the Ministry of Rural Development and Food. The aim of the program is to control the incidence and prevalence of the disease in areas of the country where these estimates are reported high, by vaccination of lambs and kids. At the same time, in the remaining parts of the country, where the

prevalence of the disease is reported low among sheep and goat flocks, an eradication program is implemented by test and slaughter policy.

Relevance as zoonotic disease

The relevance of the disease as zoonose is significant to public health.

Source of human infection

Mainly from animal contact and consumption of dairy products of unknown origin and hygiene quality. (especially, consumption of dairy products prepared from non pasteurized milk or immature types of sheep and goat cheese).

Financial evaluation. Summary report:

Member State: Greece

Reference Year: 2005

Reporting Period: Jan- Dec 2005

Report status: Final

Financial data referring to the Ovine and Caprine Control and Eradication Brucellosis programme expenditures are presented and analyzed below (Table 4) :

TABLE 4

REGIONS: APPLIED in the whole country (mainland and islands)	EXPENDITURES IN EURO (approx.)
ELIGIBLE COMPENSATION FOR FARMERS (COMPULSORY SLAUGHTERS OF REACTORS (eradication zone) and male positive indicators (mainland)) : Brucella Positive sheep and Goats)	96.324,52
• PURCHASE OF VACCINES (REV 1)	115.104
LABORATORY TESTS	15.679
SALARIES (STUFF WITH A 12-MONTH CONTRACT FOR THE PROGRAMME ONLY)	2.052.709
TOTAL ELIGIBLE EXPENSES	2.279.816,52

BRUCELLA MELITENSIS CONTROL PROGRAMME

REPORTING PERIOD: 1/1/2005 - 31/12/2005
 IMPLEMENTATION OF VACCINATION PROGRAMME IN THE MAINLAND OF GREECE

TABLE 1
 COMPUTERIZED DATA BASE SYSTEM VACCINATION MONITORING PROGRAMME IN SMALL RUMINANTS
 Vaccination Records Manually Reported from Herds

Region/Herds	Flocks	Vaccinated adult sheep & goats	Vaccinated young sheep & goats	Vaccinated adult sheep & goats	Vaccinated young sheep & goats	VACCINATED FLOCKS (Newborn)	VACCINATED FLOCKS (Newborn) AND GOATS
ELIMNIA	568	15 551	11 438	538	41 216	6 126	5 522
ARGOLIDA	850	11 297	18 943	234	16 473	7 892	0
ARCTIA	106	15	4 336	7	342	0	0
ANATOLIA	20	273	648	10	349	315	0
DELIANNA	192	155	4 381	10	222	131	0
AKAIA	1 456	13 920	35 556	4	350	71	0
VIOTIA	356	5 957	9 926	76	6 227	676	0
GREVENARA	301	4 957	8 527	28	1 878	468	0
ORAMA	189	3 908	8 326	2	1	138	0
EVROS	658	8 519	13 207	5	85	104	0
EVIA	16	21	451	81	3 404	461	0
EYDIA	47	492	721	49	7 227	999	0
HELIA	2 985	4 368	62 276	28	3 919	36	0
THESSALIA	0	0	0	0	0	0	0
KOZAN	418	2 391	20 549	90	3 959	2 430	0
KORINTHIA	1 137	40	31 663	0	0	0	0
KORINTHIA	351	2 493	10 570	106	4 815	1 085	0
LAKONIA	0	0	0	0	0	0	0
LARISSA	62 645	875	0	0	0	0	0
LESSOS	36 067	0	0	0	0	0	0
MAGNISIA	191	3 650	7 991	116	3 959	3 114	0
MESSIMIA	378	8 802	2 602	212	11 461	644	0
KANTHIA	38	1 983	1 809	221	32 856	6 214	0
PELIA	30 900	0	0	0	0	0	0
PELIA	817	997	25 267	1	2	2	0
PREVEZA	690	2 541	14 384	92	3 697	1 222	0
RODOPI	1 008	2 659	23 579	87	365	348	0
SARRES	115	2 232	12 878	48	8 422	752	0
TRIKALIA	429	7 235	7 704	80	6 041	623	0
FLORINA	670	0	17 721	0	0	0	0
EDONNA	262	2 694	7 266	21	2 728	227	0
XANTHOPOLIS	385	7 159	23 947	58	9 546	1 580	0
ATINA	17	134	123	1	55	0	0
HERIOPOLIS	17 395	122 856	433 787	2 870	2 14 118	35 110	218 916

TOTAL - ELECTRONIC SYSTEM RECORDS + FILE RECORDS FROM SEVERAL PREFECTURES

24.018
 1.024.888

ANNEX I

Member State : GREECE

REPORTING YEAR : 2006

ERADICATION PROGRAMME IN ISLANDS (ERADICATION ZONE)

Disease: *Ovine and caprine Brucellosis*
Species: *Ovines and caprines*

TABLE 2.1

DATA ON HERDS

NOMOS	Total Number of flocks	Total Number of flocks under the programme	No. of flocks tested	No. of positive flocks	No. of new positive flocks	No. of flocks depopulated	% positive flocks depopulated	% herd coverage	% positive herds. Herd prevalence	% new positive herds. Herd incidence
DODEKANISA	1.306	1.182	172	9	0	0	0	14,55	5,23	0,00
HRAKLEIO	3.273	3.273	7	1	0	0	0	0,21	14,29	0,00
KEFALLINIA	1.375	1.375	9	5	0	0	0	0,85	55,55	0,00
KYKLADES	4.355	4.335	170	0	0	0	#DIV/0!	3,92	0,00	0,00
LASITHI	1.146	1.145	171	27	14	0	0	14,93	15,79	8,19
PEIRAIAS	482	232	58	4	2	0	0	25,00	6,90	3,45
RETHYMNO	5.062	5.062	76	3	0	0	0	1,50	3,95	0,00
SAMOS	711	673	322	0	0	0	0	56,20	0,00	0,00
XANIA	3.985	3.985	21	0	0	0	0	0,53	0,00	0,00
XIOS	275	275	89	2	0	0	0	32,36	2,25	0,00
TOTAL	21.969	21.437	1.095	51	16	0	0	5,11	4,66	1,46

TABLE 2.2

Member State : GREECE

ERADICATION PROGRAMME IN ISLANDS (ERADICATION ZONE)

REPORTING YEAR 2006

DATA ON ANIMALS

Disease: Ovine and caprina Brucellosis
Ovines and caprines

NOMOS	Total Number of animals	Total Number of animals under the programme	No. of animals tested	No. of animals tested individually	No. of positive animals	Slaughtering		% coverage at animal level	% positive animals (Animal prevalence)
						No. of animals with positive result slaughtered or culled	Total number of animals slaughtered		
DODEKANISA	174,500	115,096	25,629	25,629	195	195	195	22.27	0.76
HIRAKLEIO	533,661	533,661	430	430	110	0	0	0.08	25.58
KEFALLINIA	215,968	215,968	1,413	1,413	44	44	44	0.65	3.11
KYKLADES	238,495	238,495	6,577	6,577	0	0	0	2.76	0.00
LASITHI	193,275	193,275	19,797	19,797	73	51	51	10.24	0.37
PEIRAIAS	37,033	19,033	3,432	3,432	101	101	101	18.03	2.94
RETHYMNIO	1,078,373	1,078,373	10,915	10,915	134	134	134	1.01	1.23
SAMOS	41,860	36,252	1,000	1,000	0	0	0	2.76	0.00
XANIA	495,530	495,530	3,530	3,530	0	0	0	0.71	0.00
XIOS	42,607	42,607	3,696	3,696	4	4	4	8.67	0.11
TOTAL	3,051,302	2,968,290	76,419	76,419	661	529	529	2.57	0.86

TABLE 2.3
GREECE

ERADICATION PROGRAMME IN ISLANDS (ERADICATION ZONE)

REPORTING YEAR: 2006

Disease: *Ovine and caprine Brucellosis*
Species: *Ovine and caprine*

Epidemiological situation at the end of 2006

NOMOS	Total number of flocks and animals under the programme		Status of herds and animals under the programme at the end of the reporting year							
	Unknown		Not free/not officially free		Officially free suspended		Officially free			
	Flocks	Animals	Positive (last check) M+		Negative (last check) M2		M4 SUSPENDED		M4	
	Flocks	Animals	Flocks	Animals	Flocks	Animals	Flocks	Animals	Flocks	Animals
DODEKANISA	1.182	115.096	9	195	805	82.392	291	30.896	77	1.614
HRAKLEIO	3.273	533.661	177	376	473	57.147	2.526	451.658	96	9.858
KEFALLINIA	1.375	215.968	246	326	2	166	186	35.598	939	153.466
KYKLADES	4.335	238.495			840	26.887			3.495	211.608
LASITHI	1.145	193.275	38	2.023	27	8.274	270	54.266	810	128.712
PEIRAIAS	232	19.033	59	6.759	3	490	1	170	1	184
RETHYMNO	5.062	1.076.373	2.973	796.900	3	423	43	22.268	2.043	258.782
SAMOS	573	36.252	68	6.396			64	3.451	443	26.405
XANIA	3.985	495.530							3.985	495.530
XIOS	275	42.607	42	1.030	33	1.178			198	39.099
TOTAL	21.437	2.968.290	3.601	854.142	2.467	244.474	3.235	533.032	12.087	1.325.268

ANNEX II
TABLE 3

DATA ON SURVEILLANCE AND LABORATORY TESTS

GREECE

DATA ON SEROLOGICAL, MICROBIOLOGICAL AND VIROLOGICAL TESTS

YEAR: 2006

DISEASE: OVINE AND CAPRINE BRUCELLOSIS

ANIMAL SPECIES: SHEEP & GOATS

REGION : Whole Country 17 National Vet Labs	Serological tests		Microbiological or virological test		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
Test category			Microbiology			
Serology			Animal Fetus			
Compliment of Fixation	8,946	1,586	79	14		
Rose Bengal	55,089	3,077				
Elisa - blood serum	672	68				
Total *	64,707	4,831	79	14		

Completed Data records remained at the Regional Veterinary Laboratories

Description of the used serological tests:

Compliment of Fixation
Rose Bengal
Elisa- Sera

Description of the used microbiological tests:

Applied on animal fetuses

FINAL REPORT ON OVINE AND CAPRINE BRUCELLOSIS CONTROL AND ERADICATION PROGRAMME FOR THE YEAR 2006

Introduction

The 2006 ovine and caprine Brucellosis control and eradication programme was implemented in mainland and islands of Greece. The program was approved and co-financed by the E.U. based on the Decision 2005/873/EC. Greece is divided in 54 prefectures - Nomos. For the implementation of brucellosis control and eradication programme the country is divided in two parts in which different policies and measures are applied, the control strategy (mass vaccination of young and adult female small ruminants) and the eradication policy based on test and slaughter of positive reactors receptively.

EPIDEMIOLOGICAL SITUATION IN THE MAINLAND - DATA ANALYSIS

Mass vaccination carried out in the Mainland. During 2006, based on vaccination records, **911.771** sheep and goats were vaccinated in accordance with the sum of validated data as extracted from the computerized management system which receives reports for vaccination applications on daily basis. Further analysis and detailed statistics (flock and animal vaccination data, follow -up and up to date flock & animal coverage) are available through the central data base of the specific computerized system for monitoring and recording sheep and goat vaccination activities at national level (mainland) or through the attached excel file (*RESULTS BMEL 2006.xls - Table 1 of this report*).

EPIDEMIOLOGICAL SITUATION IN THE ISLANDS - DATA ANALYSIS

In the islands (eradication zone), except Evia, Lesbos and Leros, the 2006 flock and animal prevalence of brucellosis in tested sheep and goats was reported **4,66 %** and **0,86%** respectively. The islands of Lesbos and Leros have been excluded from the eradication policy and belong to the mainland programme status.

The high 2006 *Brucella* Meitensis flock prevalence rate within eradication zone is mainly due to the significant increase of positive reactors reported from the regions Hraklio, Lasithi, Kefalonia and Pireas following the trend of the same animal health status as observed the previous reporting year (2005).

The results of the eradication programme for the year 2005 is presented in **Table 2**.

BOVINE VACCINATION WITH REV 1 VACCINE

As an additional preventive measure under the existing control brucellosis programme for sheep and goats, free-ranged bovines that are sharing common pastures with small ruminants, were vaccinated with REV-1 vaccine in order to reduce the spread of Brucella infection in the field.

The 2006 Bovine vaccination Data is given in Table 3.

TABLE 1
VACCINATION PROGRAMME – FOLLOW UP
MAINLAND - GREECE
REPORTING PERIOD: 1/1/2006 – 31/12/2006

COMPUTERIZED DATA BASE SYSTEM. VACCINATION MONITORING PROGRAMME IN SMALL RUMINANTS		VACCINATION ELECTRONIC DATA PER NOMOS		NEW VACCINATED FLOCKS (Previously non-vaccinated)		Vaccination Records		
Region-Nomos	Flocks	Vaccinated adult sheep & Goats	Vaccinated young sheep & Goats	Flocks	Vaccinated adult sheep & Goats	Vaccinated young sheep & Goats	VACCINATED FLOCKS (Newfold)	VACCINATED SHEEP AND GOATS
ETOLUNIA	391	9.091	7.342	240	13.268	2.063		1.694
ARGOLIDA								
ARKADIA	1.300	16.620	24.907	59	3.092	643		
ARTA	116	81	5.124	57	1.849			
ANATOLITIKI							256	8.178
DYTATTIKI	233	1.491	5.897	9	271	58		
AXAIA	1.178	7.039	29.794					
MOTIA	265	2.191	7.816	85	4.691	423		
GREBENA	291	1.422	10.389	24	2.758	1.021		
DRAMA	140	3.931	7.640					
EVROS	226	7.987	6.063	27	2.139	261		
NEVROS	278	629	4.734					

TOTAL : ELECTRONIC SYSTEM RECORDS+ FILE RECORDS FROM SEVERAL PREFECTURES

Flocks	21.703
Vaccinated sheep & Goats	911.774

TABLE 2. OVINE AND CAPRINE ERADICATION PROGRAMME. REPORTING YEAR 2006
Table 2.1 / DATA ON HERDS (FLOCKS)

NOMOS	Total Number of flocks	Total Number of flocks under the programme	No. of flocks tested	No. of positive flocks	No. of new positive flocks	No. of flocks depopulated	% positive flocks depopulated	% herd coverage	% positive herds. Herd prevalence	% new positive herds. Herd incidence
DODEKANISA	1.306	1.182	172	9	0	0	0	14,55	5,23	0,00
HRAKLEIO	3.273	3.273	7	1	0	0	0	0,21	14,29	0,00
KEFALLINIA	1.375	1.375	9	5	0	0	0	0,65	55,56	0,00
KYKLADES	4.355	4.335	170	0	0	0	#DIV/0!	3,92	0,00	0,00
LASITHI	1.145	1.145	171	27	14	0	0	14,93	15,79	8,19
PEIRAIAS	482	232	58	4	2	0	0	25,00	6,90	3,45
RETHYMNO	5.062	5.062	76	3	0	0	0	1,50	3,95	0,00
SAMOS	711	573	322	0	0	0	#DIV/0!	56,20	0,00	0,00
XANIA	3.985	3.985	21	0	0	0	#DIV/0!	0,53	0,00	0,00
XIOS	275	275	89	2	0	0	0	32,36	2,25	0,00
TOTAL	21.969	21.437	1.095	51	16	0	0	5,11	4,66	1,46

Table 2.2 / DATA ON ANIMALS (SHEEP & GOATS)

NOMOS	1	2	3	4	5	6	7	8	9	10
	Total Number of animals under the programme	No. of animals tested	No. of animals tested individually	No. of positive animals	No. of animals with positive result slaughtered or culled	Total number of animals slaughtered	% coverage at animal level	% positive animals prevalence		
DODEKANISA	174.500	25.629	25.629	195	195	195	22,27	0,76		
HRAKLEIO	533.661	430	430	110	0	0	0,08	25,58		
KEFALLINIA	215.968	1.413	1.413	44	44	44	0,65	3,11		
KYKLADES	238.495	6.577	6.577	0	0	0	2,76	0,00		
LASITHI	193.275	19.797	19.797	73	51	51	10,24	0,37		
PEIRAIAS	37.033	3.432	3.432	101	101	101	18,03	2,94		
RETHYMNO	1.078.373	10.915	10.915	134	134	134	1,01	1,23		
SAMOS	41.860	1.000	1.000	0	0	0	2,76	0,00		
XANIA	495.530	3.530	3.530	0	0	0	0,71	0,00		
XIOS	42.607	3.696	3.696	4	4	4	8,67	0,11		
TOTAL	3.051.302	76.419	76.419	661	529	529	2,57	0,86		

Table 2.3

ERADICATION PROGRAMME IN ISLANDS (ERADICATION ZONE)

GREECE

REPORTING YEAR 2006

Disease: Ovine and caprine Brucellosis

Species: Ovine and caprine

Epidemiological situation at the end of 2006

TABLE 3.

Bovine Vaccination (REV 1 vaccine) under the framework of ovine and caprine Brucellosis control and eradication

REV-1 VACCINATION FOLLOW-UP IN SEMI-WILD BOVINES

REPORTING YEAR: 2008 ANNUAL EPIDEMIOLOGICAL SITUATION

ΝΟΜΟΣ	HERDS AND ANIMALS UNDER THE PROGRAMME		VACCINATED BOVINE HERDS				NON VACCINATED BOVINE HERDS				
	HERDS	ANIMALS	HERDS	TOTAL ANIMALS	BOVINES		HERDS	TOTAL ANIMALS	BOVINES		
					VACCINATED ANIMALS	NON VACCINATED			COWS	OTHER BOVINES	COWS
ΕΤΟΛΟΚΑΝΙΑ	881	36292	15	934	505	272	157	866	35358	19907	15451
ΓΡΕΒΕΝΑ	26	2146	26	2146	1015	343	788				
ΔΡΑΜΑ	44	1890	33	1747	976	189	582	11	143	82	61
ΕΥΡΟΣ	93	6172	50	4578	2267	0	2311	43	1594	858	736
ΗΜΑΘΙΑ	33	2627	32	2557	1321	530	706	1	70	50	20
ΙΟΑΝΝΙΝΑ	228	13134	201	12107	8523	1105	2479	27	1027	574	453
ΚΑΡΔΙΤΣΑ	84	2747	84	2747	1606	555	586				
ΠΡΕΒΕΖΑ	10	1056	9	1006	950	21	35	1	50	35	15
ΣΕΡΡΕΣ	299	23914	97	7958	4392	1191	2375	202	15956	10675	5281
ΤΡΙΚΑΛΑ	148	7363	143	7076	5331	909	836	5	287	0	287
ΦΘΙΟΤΙΔΑ	10	940	10	940	135	357	448				
ΦΟΚΙΔΑ	180	6986	73	2738	1311	1299	128	107	4248	3624	624
ΦΛΟΡΙΝΑ	45	2069	45	2069	1525	494	50				
ΣΥΝΟΛΟ	2.081	107.336	818	48.603	29.857	7.265	11.481	1.263	58.733	35.806	22.928

GENERAL OUTLINE AND PROGRAMME DESCRIPTION AT GLANCE

Susceptible population (Data 2006 / Directorate of Animal Health , MRDF)

13.334.534 sheep and Goats, in **123.907** Flocks.

Surveillance system

The control program for ovine and caprine brucellosis is in force in the mainland (includes mass vaccination policy in young and adult sheep and goat population) and Brucellosis eradication program runs in islands.

Method used

Registration and Identification systems applied in animals.

Serological test (test and slaughter policy) in animals raising in the islands.

Animal mass vaccination in the mainland.

Case definition

Infected animal: Animal positive to serological tests.

Infected Flock: Flock with one or more animals positive .

Vaccination policy

Vaccination according to the control program.

Measures in case of positive findings (according to the eradication program)

Slaughter of positive animals.

Ban of animal movement from and to the infected herd.

Re-examination of the herd and re establishment of the "brucellosis free" health status.

Epidemiological history

Ovine and caprine brucellosis due to *B. melitensis* is a significant disease for both public health and animal production in Greece. During the last years a control and eradication program is running by the veterinary services of the Ministry of Rural Development and Food. The aim of the program is to control the incidence and prevalence of the disease in areas of the country where these

estimates are reported high, by vaccination of lambs and kids. At the same time, in the remaining parts of the country, where the prevalence of the disease is reported low among sheep and goat flocks, an eradication program is implemented by test and slaughter policy.

Relevance as zoonotic disease

The relevance of the disease as zoonose is significant to public health.

Source of human infection

Mainly from animal contact and consumption of dairy products of unknown origin and hygiene quality. (Especially, consumption of dairy products prepared from non pasteurized milk or immature types of sheep and goat cheese).

Financial evaluation. Summary report:

Member State: Greece

Reference Year: 2006

Reporting Period: Jan- Dec 2006

Report status: Final

Financial data referring to the Ovine and Caprine Control and Eradication Brucellosis programme expenditures are presented and analyzed below (Table 4). Further details can be found in the specific Annex sheet of the attached final financial report (Annex VII) for the *B.melitensis* control and eradication programme.

TABLE 4

REGIONS: APPLIED in the Whole country (mainland and islands)	EXPENDITURES EURO (approx.)	IN
ELIGIBLE COMPENSATION FOR FARMERS {COMPULSORY SLAUGHTERS OF REACTORS (eradication zone) and male positive indicators (mainland)} : Brucella Positive sheep and Goats	60.980,08	
• PURCHASE OF VACCINES (REV 1)	122.930	
LABORATORY TESTS	21.894,30	
SALARIES (STUFF WITH A 12-MONTH CONTRACT FOR THE PROGRAMME ONLY)	1.295.844,00	
TOTAL ELIGIBLE EXPENSES	1.501.648,38	

REV-1 VACCINATION FOLLOW-UP IN SEMI-WILD BOVINES
 REPORTING YEAR: 2006 ANNUAL EPIDEMIOLOGICAL SITUATION
 UNDER THE B. MELITTENSIS CONTROL AND ERADICATION PROGRAMME

	HERDS AND ANIMALS UNDER THE PROGRAMME		VACCINATED BOVINE HERDS				NON VACCINATED BOVINE HERDS					
	HERDS	ANIMALS	HERDS	TOTAL ANIMALS	BOVINES		HERDS	TOTAL ANIMALS	BOVINES			
					VACCINATED ANIMALS	NON VACCINATED OTHER BOVINES			COWS	OTHER BOVINES		
1	ETOLOKANIA	881	36292	15	934	505	272	157	866	35358	19907	15451
2	GREBENA	26	2146	26	2146	1015	343	788				
3	DRAMA	44	1890	33	1747	976	189	582	11	143	82	61
4	EVROS	93	6172	50	4578	2267	0	2311	43	1594	858	736
5	HIMATHIA	33	2627	32	2557	1321	530	706	1	70	50	20
6	IOANNINA	228	13134	201	12107	8523	1105	2479	27	1027	574	453
7	KARDITSA	84	2747	84	2747	1606	566	580				
8	PREVEZA	10	1056	9	1006	950	21	35	1	50	35	15
9	SERRES	299	23914	97	7958	4392	1191	2375	202	15956	10675	6281
10	TRIKALA	148	7363	143	7076	5331	908	836	5	287	0	287
11	FTHIOTIDA	10	940	10	940	135	357	448				
12	FOKIDA	180	6986	73	2738	1311	1299	128	107	4248	3624	624
13	FLORINA	45	2059	45	2059	1525	494	50				
	ΣΥΝΟΛΟ	2.081	107.336	818	48.603	29.857	7.265	11.481	1.263	58.733	35.806	22.928

60,980,08
122,930
1,295,844,00

BRUCELLA MELITENSIS CONTROL PROGRAMME
 REPORTING PERIOD: 1/1/2006 - 31/12/2006
 IMPLEMENTATION OF VACCINATION PROGRAMME IN THE MAINLAND OF GREECE

COMPUTERIZED DATA BASE SYSTEM VACCINATION MONITORING PROGRAMME IN SMALL RUMINANTS							Vaccination Records	
VACCINATION ELECTRONIC DATA PER NOMOS							Monthly Reported from Nomos	
Region-Nomos	VACCINATED FLOCKS			NEW VACCINATED FLOCKS (Previously non vaccinated)			VACCINATED FLOCKS (New/old)	VACCINATED SHEEP AND GOATS
	Flocks	Vaccinated adult sheep & Goats	Vaccinated young sheep & Goats	Flocks	Vaccinated adult sheep & Goats	Vaccinated young sheep & Goats		
EYOLIA	391	9.091	7.342	240	13.208	2.363		
ARGOLIDA								1.694
ARKADIA	1.300	18.620	24.907	59	3.092	643		
ARTA	118	81	5.124	57	1.849			
ANATOLIKI							256	6.178
DYTATIKI	233	1.491	5.897	9	271	56		
AXAIA	1.173	7.039	29.794					
VIOTIA	265	2.191	7.815	85	4.597	428		
GREBENA	291	1.422	10.389	24	2.758	1.021		
DRAMA	140	3.931	7.640					
EVROS	226	7.997	6.063	27	2.139	261		
N.EVROS	276	629	4.734					
EVIA							360	30.000
EYRYTANIA							322	4.974
HLIEIA							353	17.447
HMATHIA	875	1.359	16.020	17	34	74		
THESSIKI	879	5.775	28.151	93	621	3.308		
THESSALIA							250	15.387
IOANNINA	1.468	3.943	22.283	421	19.401	1.846		
KAVALA							160	35.000
KARDITSA	161	4.051	1.538	298	16.001	1.527		
KASTORIA							112	13.470
KILKIS							489	22.605
KOZANH							704	32.000
KORINTHIA							489	12.762
LAKONIA	502	1.697	13.879	71	122	441		
LARISSA							1.617	115.507
LESVOS							12	2.191
MAGNHSIA	343	1.683	12.121	31	2.133	676		
MESSEHIA	328	2.383	5.228	17	1.706	248		
XANTH	163	2.322	9.133	177	14.953	5.345		
PELLA	417	5.677	16.418	57	845	1.465		
PIERIA	695		20.659					
PREVEZA	1.142		20.831	272		18.339		
RODOPI	867	220	21.978	45	163	104		
SERRES	380	2.645	11.297	50	3.309	931		
TRIKALA	588	1.064	9.938	3	235	1.108		
PTHOTIDA	692	2.124	11.943	67	4.904	767		3.110
FLORINA							425	10.815
FOKIDA	379	4.202	9.057	34	2.873	444		
XALDKH	271	1.163	15.478	27	3.343	624		
ATHINA	8	58	282				3	210
TOTAL	14.557	91.299	357.735	2.093	98.791	40.596	5.063	323.350

TOTAL : ELECTRONIC SYSTEM RECORDS+ FILE RECORDS FROM SEVERAL PREFECTURES

21.703

911.771

BRUCELLA MELTENSIS CONTROL PROGRAMME
 REPORTING PERIOD: 1/1/2006 - 31/12/2006
 IMPLEMENTATION OF VACCINATION PROGRAMME IN THE MAINLAND OF GREECE

COMPUTERIZED DATA BASE SYSTEM, VACCINATION MONITORING PROGRAMME IN SMALL RUMINANTS							Vaccination Records	
VACCINATION ELECTRONIC DATA PER NOMOS							Manually Reported from Nomos	
Region-Nomos	VACCINATED FLOCKS			NEW VACCINATED FLOCKS (Previously non vaccinated)			VACCINATED FLOCKS (NewSole)	VACCINATED SHEEP AND GOATS
	Flocks	Vaccinated adult sheep & Goats	Vaccinated young sheep & Goats	Flocks	Vaccinated adult sheep & Goats	Vaccinated young sheep & Goats		
ETOLIA	391	9.091	7.342	240	13.268	2.583		
ARGOLIDA								1.694
ARKADIA	1.350	16.620	24.907	59	3.092	543		
ARTA	116	81	5.124	57	1.849		258	6.178
ANATOLIKI								
DYTARHIO	233	1.491	5.897	9	271	56		
AXAIA	1.178	7.039	29.794					
VIOTIA	265	2.191	7.815	85	4.591	423		
GREBENA	291	4.422	15.389	24	2.758	1.021		
DRAMA	140	3.931	7.640					
EVROS	226	7.987	6.063	27	2.139	261		
N.EVROS	278	629	4.734					
EVIA							300	30.300
EYRYTANIA							322	4.974
HLIEIA							353	17.447
HMATHIA	876	1.399	16.020	1	14	7		
THESPIKI	879	5.775	28.151	93	821	3.336		
THESPROTIA							250	15.387
IDANNINA	1.468	3.943	22.253	421	19.401	1.848		
KAVALA							160	35.000
KARDITSA	161	4.051	1.538	296	16.001	1.527		
KASTORIA							112	13.479
KILKIS							499	22.605
KOZANI							204	22.000
KORINTHIA							480	12.762
LAKONIA	502	1.897	13.679	11	122	441		
LARISSA							1.617	115.507
LESVOS							12	2.197
MAGNHISIA	343	1.689	12.121	31	2.133	628		
MESSINIA	328	2.369	5.228	17	1.708	240		
XANTH	163	2.522	9.133	177	14.953	5.345		
PELLA	417	5.677	16.418	57	845	1.486		
PIERIA	686		20.659					
PREVEZA	1.142		20.831	272		18.339		
RODOP	867	220	21.378	45	163	164		
SERRES	280	2.645	11.297	50	3.309	931		
TRIKALA	588	1.064	9.933	3	235	110		
PHOTIDA	692	2.124	11.943	67	4.904	767		3.110
FLORINA							425	10.815
FOKIDA	373	4.202	9.057	24	2.673	444		
XALDIRH	271	1.163	15.478	27	3.343	624		
ATHINA	9	58	283				3	210
TOTAL	14.557	81.299	357.736	2.083	98.791	40.596	5.053	323.360

TOTAL: ELECTRONIC SYSTEM RECORDS+ FILE RECORDS FROM SEVERAL PREFECTURES

21.703

911.771

ANNEX II

TABLE 1

Member State :GREECE

Targets on

ANNEX II

TABLE 1

DATA ON HERDS

NOMOS	Total Number of herds	Total Number of herds under the programme	No. of herds expected to be checked
1	2	3	4
CORFU	282	282	282
LEFKADA	372	372	250
KEFALONIA	1209	1209	500
CHIOS	283	283	283
SAMOS	607	607	400
KYKLADES	4335	4335	600
DODEKANISA	458	458	300
ZAKINTHOS	169	169	169
CHANIA	4397	4397	1000
RETHIMNO	3167	3167	1000
HERAKLIO	3176	3176	1175
LASITHI	1135	1135	550
PIREUS	329	329	200
THASOS	281	281	281
SKOPELOS	68	68	68
TOTAL	20268	20268	7058

the testing of herds

Disease: Ovine and caprine Brucellosis
Species: Ovines and caprines

No. of expected positive herds	No. of expected new positive herds	No. of herds expected to be depopulated	% positive herds expected to be depopulated	Expected % herd coverage	% positive herds Expected period herd prevalence
5	6	7	8	9	10
4	2	0	0	100,00	1
1	1	0	0	67,20	0
20	10	0	0	41,36	4
8	6	0	0	100,00	3
0	0	0	#DIV/0!	65,90	0
0	0	0	#DIV/0!	13,84	0
5	3	2	40	65,50	2
0	0	0	#DIV/0!	100,00	0
0	0	0	#DIV/0!	22,74	0
5	5	0	0	31,58	1
25	19	0	0	37,00	2
15	11	0	0	48,46	3
10	8	0	0	60,79	5
6	4	0	0	100,00	2
0	0	0	#DIV/0!	100,00	0
99	69	2	2	34,82	0,23

TABLE 2

Member State :GREECE

TABLE 2

DATA ON ANIMALS

% new positive herds Expected herd incidence
11
0.709219858
0,4
2
2.120141343
0
0
1
0
0,5
1,617021277
2
4
1,423487544
0
0,07

	Total Number of animals	Total Number of animals under the programme
1	2	3
CORFU	13824	13824
LEFKADA	17411	17411
KEFALONIA	179612	179612
CHIOS	38409	38409
SAMOS	38185	38185
KYKLADES	238495	238495
DODEKANISA	48277	48277
ZAKINTHOS	10526	10526
CHANIA	412113	412113
RETHIMNO	487983	487983
HERAKLIO	525390	525390
LASITHI	164207	164207
PIREUS	25484	25484
THASOS	39998	39998
SKOPELOS	9126	9126
TOTAL	2249040	2249040

Targets on the testing of animals

Disease: Ovine and caprine Brucellosis
Ovines and caprines

		Slaughtering		TARGET INDICATORS	
No. of animals expected to be tested	No. of expected positive animals	No. of animals with positive result expected to be slaughtered or culled	Total number of animals expected to be slaughtered	Expected % coverage at animal level	% positive animals Expected animal prevalence
4	6	7	8	9	10
13824	30	30	30	100,00	0,22
11700	10	10	10	67,20	0,09
74281	450	450	450	41,36	0,61
38409	170	170	170	100,00	0,44
25163	0	0	0	65,90	0,00
33009	0	0	0	13,84	0,00
32000	150	150	450	0,00	0,00
10526	0	0	0	100,00	0,00
93725	0	0	0	22,74	0,00
154083	120	120	120	31,58	0,08
194374	650	650	650	37,00	0,33
79571	350	350	350	48,46	0,44
15491	120	120	120	60,79	0,77
39998	130	130	130	100,00	0,33
9126	0	0	0	100,00	0,00
825280	2180	2180	2480	36,69	0,26

TABLE 3
GREECE

TABLE 3
Targets on qualification of herds and animals

NOMOS	Total number of herds and animals under the programme		Targets on the st		
			Expected	Unknown	Expec
	Herds	Animals	Herds	Animals	Positi
1					
CORFU	282	13824	0	0	4
LEFKADA	372	17411	0	0	1
KEFALONIA	1209	179612	624	89332	20
CHIOS	283	38409	0	0	8
SAMOS	607	38185	0	0	0
KYKLADES	4335	238495	0	0	0
DODEKANISA	458	48277	0	0	3
ZAKINTHOS	169	10526	0	0	0
CHANIA	4397	412113	800	67438	0
RETHIMNO	3167	487983	2162	337203	5
HERAKLIO	3176	525390	371	61215	25
LASITHI	1135	164207	0	0	15
PIREUS	329	25484	0	0	10
THASOS	281	39998	0	0	6
SKOPELOS	68	9126	0	0	0
TOTAL	20268	2249040	3957	555188	97

Disease: *Ovine and caprine Brucellosis*

Disease: *Ovine and caprine Brucellosis*

Species: *£ Ovine and caprine*

Status of herds and animals under the programme at the end of reported year								
Not free/not officially free			Expected Officially free suspended		Expected Free		Expected Officially free	
Positive			Negative					
Animals	Herds	Animals	Herds	Animals	Herds	Animals	Herds	Animals
200	20	950	0	0	0	0	258	12674
50	141	6300	0	0	0	0	230	11061
2980	350	51450	0	0	0	0	215	35850
1100	15	2055	0	0	0	0	260	35254
0	40	2300	0	0	0	0	567	35885
0	882	48510	0	0	0	0	3453	189985
350	0	0	70	7000	0	0	385	40927
0	0	0	0	0	0	0	169	10526
0	3317	317510	0	0	0	0	280	27165
780	900	135000	0	0	0	0	100	15000
4200	800	137485	0	0	1600	257832	380	64658
2180	225	28384	0	0	0	0	895	133643
780	104	8149	0	0	0	0	215	16555
890	45	6390	0	0	0	0	230	32718
0	0	0	0	0	0	0	68	9126
13510	6839	744483	70	7000	1600	257832	7705	671027



TABLE 5 GREECE

TARGETS ON DIAGNOSTIC TESTS

YEAR: 2005

DISEASE: OVINE AND CAPRINE BRUCELLOSIS ANIMAL SPECIES: SHEEP AND GOATS

Region	Type of the test	Target population	Type of sample	Objective	Number of planned tests
Whole Country	Test: ROSE BENGAL		Blood sample		500.000
	Test: CFT		Blood Serum		300.000
TOTAL (SEROLOGY) =					800.000

ANNEX III

TABLE 1

GREECE

Detailed analysis of the cost of ovine and caprine brucellosis control and er

ANNEX III

TABLE 4

Cost related to the ovine and caprine control and eradication programme 2005	Specification
1. Testing	
<i>Cost of the analysis</i>	Test: Rose Bengal Test: CFT Test:
<i>Cost of sampling</i>	
<i>Other costs</i>	
2. Vaccination or treatment	
<i>Purchase of vaccine / treatment</i>	Rev-1
<i>Distribution costs</i>	
<i>Administering costs</i>	
<i>Control costs</i>	
3. Slaughter and destruction	
<i>Compensation of animals</i>	
<i>Transport costs</i>	
Cost related to	Specification
<i>Destruction costs</i>	
<i>Loss in case of slaughtering</i>	
<i>Costs from treatment of products (milk, eggs, hatching eggs, etc)</i>	
4. Cleaning and disinfection	

TABLE 6 , ANNEX II

Targets on vaccination or treatment of herds and animals

Disease^(a): Ovine and caprine brucellosis Species: Sheep and Goats

Region ^(b)	Total number of herds ^(c)	Total number of animals	Number of herds in vaccination programme	Targets of the vaccination programme	
				Number of herds to be vaccinated	Number vaccina
EVROS	1801	194713	1801	1261	
RODOPI	2350	277136	2350	1645	
XANTHI	1371	161092	1371	960	
KAVALA	933	186408	933	653	
DRAMA	491	132493	491	344	
SERRES	1917	301223	1917	1342	
THESSALIKI	1635	312803	1635	1145	
CHALKIDIKI	791	182792	791	554	
KILKIS	1159	182869	1159	811	
EVIA	3940	329759	3940	2758	
PELLA	1327	196661	1327	929	
IMATHIA	899	102099	899	629	
PIERIA	934	136550	934	651	
KOZANI	2027	239714	2027	1419	
FLORINA	784	109268	784	549	
KASTORIA	553	82729	553	387	
GREVENA	1353	118414	1353	947	
LARISSA	5501	805641	5501	3851	
MAGNISIA	1545	192682	1545	1082	
KARDITSA	5096	241281	5096	3567	
TRIKALA	3698	341268	3698	2589	
EVROITANIA	1459	89686	1459	1021	
FTIOTIDA	4264	300981	4264	2985	
IOANNINA	7515	309053	7515	5261	
THESSPROTIA	3349	281200	3349	2344	
PREVEZA	3643	252958	3643	2550	
ARTA	2582	257149	2582	1807	
VIOTIA	1963	209848	1963	1374	
FOKIDA	1589	164723	1589	1112	
ETOLONIA	10498	1104653	10498	7349	
PIREUS	341	25545	341	239	
ATTIKI	1587	186744	1587	1111	
ARGOLIDA	1997	192884	1997	1398	
ARKADIA	3434	294829	3434	2404	
ACHAIA	5723	456136	5723	4006	
ILIA	3419	238455	3419	2393	
KORINTHIA	1620	189357	1620	1134	
LAKONIA	1531	170865	1531	1072	
MESSINIA	3085	160840	3085	2160	
LESVOS	3757	329802	3757	2630	
DODEKANISA	101	9822	101	101	
Total	103562	10247325	103562	72527	

- (a) Disease and species if necessary
- (b) Region as defined in the approved eradication programme of the Member State
- (c) Herds equals flocks, or holdings as appropriate
- (d) As defined in the programme

NOTICE : In most of the prefectures above mentioned, the vaccination coverage on female adult animals will be 95-100 because the mass vaccination programme has been completed and very few animals have been escaped from vaccination due to the condition that they were at vaccination period (pregnant) . The vaccination coverage will remain low in the prefectures of Etoloacarnania due to the shortage of personnel and the large number of animals and at the prefecture of Lesvos where the vaccination programme has started last year and the vaccination coverage at the end of 2005 will be about 50 % . For this reason and taking into account that the male animals remain unvaccinated it is mentioned in the text that the average vaccination coverage in the country at the end of year will be 75-80 %

ANNEX I

TABLE 1
BRUCELLA MELITENSIS CONTROL AND ERADICATION PROGRAMME FOR 1998
EPIDEMIOLOGICAL SITUATION IN 31-12-1998

	NOMOS	FLOCKS	FLOCK HEALTH STATUS					ANIMALS	ANIMALS HEALTH STATUS				
			M1	M2-	M2+	M3	M4		M1	M2-	M2+	M3	M4
1	PELLA	1327	498	536	281	12	0	196681	76961	71321	46070	1309	0
2	IMATHIA	899	464	302	83	50	0	104099	59162	24816	15458	4664	0
3	PIERIA	933	657	234	24	18	0	136550	101477	29181	4213	1679	0
4	KOZANI	2027	1396	434	177	20	0	239714	190623	26515	21358	1220	0
5	FLORINA	784	64	509	201	0	10	109268	19441	60478	26262	0	1087
6	KASTORIA	553	482	23	46	2	0	82729	74170	2995	5342	222	0
7	GREVENA	1353	1163	155	32	0	3	118414	98692	15006	4530	0	180
8	LARISSA	5501	3644	1373	266	33	185	805641	550980	183909	46642	2779	21331
9	MAGNISIA	1546	791	611	44	37	63	192682	98666	70354	8989	5495	8978
10	KARDITSA	5096	3704	1184	68	140	0	241281	182550	51005	2672	5054	0
11	TRIKALA	3698	2715	843	67	55	17	341268	233470	89284	13907	4429	878
12	EVRITANIA	1587	932	383	165	7	0	186744	111488	43139	30878	1239	0
13	FTHIOTIDA	4264	3250	859	151	4	0	300763	204294	78462	17877	130	0
14	IOANNINA	7513	6072	1089	112	216	24	502924	387403	84563	12838	17430	690
15	THESSALOTIA	3349	3016	260	72	1	0	281200	249257	16877	15016	250	0
16	PREVEZA	3643	2150	1245	149	99	0	252958	138714	88467	16891	8886	0
17	ARTA	2582	1617	842	26	97	0	257149	210788	39967	1390	5004	0
18	ATTIKI	1587	932	383	165	7	0	186744	111488	43139	30878	1239	0
19	PIREUS	341	121	128	16	76	0	25545	8661	10224	1885	4775	0
20	VIOTIA	1963	1245	501	197	22	0	209848	140314	43179	24896	1459	0
21	FOKIDA	1589	782	685	83	39	0	164723	79058	68606	15673	3386	0
22	ETOL/NIA	10498	9899	539	52	0	8	1104853	1052499	44668	7040	0	646
23	KORINTHIA	1620	737	546	313	34	0	189357	91186	53018	43301	1852	0
24	ACHAIA	5722	3965	1329	339	28	61	455135	300976	104700	43363	2033	4063
25	ILIA	3419	1609	1632	157	21	0	238455	129883	84238	23092	1242	0
26	ARKADIA	3434	1860	1355	206	13	0	294829	128064	132998	32129	1638	0
27	ARGOLIDA	1996	1121	614	192	9	60	192674	107970	55345	21537	1439	6383
28	MESSINIA	3085	934	2067	84	0	0	180840	49432	104532	6876	0	0
29	LAKONIA	1537	212	1134	165	0	26	172384	26708	111700	31857	0	2119
30	EVROS	1787	715	908	54	0	110	201988	77162	104900	12618	0	7308
31	RODOPI	2337	393	1552	180	0	212	277425	20121	197755	31251	0	28298
32	XANTHI	1367	433	764	133	0	37	160184	44987	87773	23905	0	3519
33	KAVAJA	933	213	611	109	0	0	186408	28330	123915	34163	0	0
34	DRAMA	490	0	324	127	0	39	131379	0	77222	49453	0	4404
35	SERRES	1923	0	536	253	0	1134	302155	0	94522	64209	0	143424
36	THESSALIKI	1635	240	1140	250	0	5	313331	37219	208291	67151	0	670
37	CHALKIDIKI	791	72	630	73	0	16	182792	8048	143804	28667	0	2473
38	KILKIS	1159	263	645	251	0	0	182869	28551	102687	51631	0	0
39	CORFU	109	0	50	3	0	58	10920	0	8378	479	0	2063
40	LEFKADA	386	81	304	1	0	0	18236	3085	14501	650	0	0
41	KEFALONIA	1145	911	187	6	11	30	136421	96810	31748	1075	1464	5326
42	EVIA	3940	1404	1901	28	607	0	329759	87873	179674	4855	57557	0
43	LESBOS	3719	0	0	0	3719	0	341295	0	0	0	341295	0
44	CHIOS	81	0	16	1	0	64	23250	0	2450	800	0	20000
45	SAMOS	911	42	83	0	82	4	15985	622	8991	0	6176	196
46	KYKLADIS	4459	1038	1294	0	0	2129	211978	19887	106914	0	0	87177
47	DODEKANISA	932	232	655	39	0	6	81944	8427	65757	6585	0	1175
48	ZAKINTHOS	53	0	10	0	0	43	5044	0	340	0	0	4704
49	CHANIA	2517	1130	1206	0	0	181	291373	141188	135567	0	0	14618
50	RETHIMNO	2790	1911	877	0	0	2	349224	266023	83006	0	0	195
51	HERAKLIO	1951	329	774	11	1	838	334763	36910	142117	2785	65	152606
52	LASITHI	806	0	333	6	0	487	145241	0	71997	2927	0	70317
TOTAL		119867	65437	36595	5458	5460	5828	11979396	6119618	3922592	958042	485410	595128

TABLE 2
IMPLEMENTATION OF VACCINATION PROGRAMME
FROM 1-1-97 TILL 31-12-99

NOMOS	VAC.FLOCKS	VAC.ADULT ANIMALS	VAC.YOUNG ANIMALS
EVROS	509	5217	10839
RODOPI	851	43990	15219
XANTHI	253	37938	4165
KAVALA	47	16190	1449
DRAMA	200	35457	2373
SERRES	162	16200	3073
THES/NIKI	448	45810	14281
CHALKIDIKI	124	16353	4916
KILKIS	312	41426	9169
EVIA	120	10134	1993
PELLA	882	8509	22022
IMATHIA	1852	98975	30337
PIERIA	1760	13191	43470
KOZANI	4317	7722	96187
FLORINA	46	2135	712
KASTORIA	636	37077	14287
GREVENA	734	3378	14455
LARISSA	3489	33932	121922
MAGNISIA	923	17521	22084
KARDITSA	3789	18429	37747
TRIKALA	2646	48642	50029
EVROTANIA	301	9205	2381
FTHIOTIDA	1524	33736	20880
IOANNINA	2549	57452	31768
THESPROTIA	569	33019	13827
PREVEZA	1164	37266	16064
ARTA	760	10365	4506
ATTIKI	360	32250	6343
PIREUS	23	1446	675
VIOTIA	862	38822	13646
FOKIDA	1179	14980	18354
ETOL/NIA	541	17697	10335
KORINTHIA	493	29297	9621
ACHAIA	3346	87553	52007
ILIA	98	6263	2606
ARKADIA	524	24962	9856
ARGOLIDA	411	13920	6381
MESSINIA	417	28761	4218
LAKONIA	492	27876	8981
TOTAL	39713	1063097	753178

TABLE 3
IMPLEMENTATION OF VACCINATION PROGRAMME
FROM 1-1-2000 TILL 31-12-2000

NOMOS	VAC.FLOCKS	VAC.ADULT ANIMALS	VAC.YOUNG ANIMALS
EVROS	315	4784	4436
RODOPI	595	25338	14363
XANTHI	141	6058	2202
KAVALA	126	22037	3247
DRAMA	87	10098	2090
SERRES	242	18485	5449
THES/NIKI	517	57082	8493
CHALKIDIKI	14	3500	120
KILKIS	356	25477	9790
EVIA	60	2237	1732
PELLA	822	70367	11337
IMATHIA	546	21896	9546
PIERIA	411	4289	11673
KOZANI	603	2030	13710
FLORINA	199	25536	1446
KASTORIA	515	30546	12037
GREVENA	379	23012	6526
LARISSA	23	2348	425
MAGNISIA	213	13619	3157
KARDITSA	743	30226	4387
TRIKALA	525	26818	11869
EVRYTANIA	84	3855	1169
FTHIOTIDA	966	42431	12220
IOANNINA	1100	49440	8663
THESSALOTIA	235	22865	1809
PREVEZA	584	40896	5236
ARTA	743	31748	4275
ATTIKI	8	336	170
EAST ATTIKI	177	12182	3452
WEST ATTIKI	223	12848	5685
PIREUS	0	0	0
VIOTIA	614	34715	9154
FOKIDA	391	20726	5269
ETOLNIA	412	36677	4809
KORINTHIA	276	17269	5097
ACHAIA	1366	106513	22630
ILIA	211	19106	2653
ARKADIA	132	14001	2353
ARGOLIDA	501	55051	8137
MESSINIA	617	27826	5777
LAKONIA	616	51260	11059
TOTAL	16.688	1.025.528	257.652

TABLE 4
IMPLEMENTATION OF VACCINATION PROGRAMME
FROM 1-1-2001 TILL 31-12-2001

NOMOS	VAC.FLOCKS	VAC.ADULT ANIMALS	VAC.YOUNG ANIMALS
EVROS	190	1759	2142
RODOPI	801	27622	15324
XANTHI	269	23638	5353
KAVALA	176	12759	7302
DRAMA	332	45667	6887
SERRES	310	6864	5794
THESS/NIKI	732	21677	28711
CHALKIDIKI	233	22586	10041
KILKIS	476	25792	15283
EVIA	273	9692	2701
PELLA	400	21889	9188
IMATHIA	615	14750	10546
PIERIA	365	17158	6473
KOZANI	1258	3984	33188
FLORINA	382	24726	4963
KASTORIA	543	6010	15021
GREVENA	332	15857	4676
LARISSA	742	26079	34865
MAGNISIA	38	1055	715
KARDITSA	691	23361	2762
TRIKALA	555	42342	12667
EVRYTANIA	219	11693	1115
FTIOTIDA	1352	49409	11026
IOANNINA	1102	30387	10491
THESSPOTIA	382	22598	9572
PREVEZA	526	17804	4765
ARTA	230	13333	1746
ATTIKI	31	2930	549
EAST ATTIKI	166	10599	4166
WEST ATTIKI	213	4109	4915
PIREUS	0	0	0
VIOTIA	424	16711	7219
FOKIDA	361	19530	4999
ETOL/NIA	379	33777	2820
KORINTHIA	0	0	0
ACHAIA	1263	58776	18149
ILIA	443	23592	3034
ARKADIA	703	34525	8893
ARGOLIDA	23	1745	452
MESSINIA	786	16633	6703
LAKONIA	567	20446	10489
TOTAL	18883	783864	345705

TABLE 5
IMPLEMENTATION OF VACCINATION PROGRAMME
FROM 1-1-2002 TILL 31-12-2002

NOMOS	PREVIOUS VACCINATED			NEW VACCINATED		
	FLOCKS	ADULT ANIMALS	YOUNG ANIMALS	FLOCKS	ADULT ANIMALS	YOUNG ANIMALS
EVROS	0	0	0	0	0	0
RODOPI	894	7153	19504	179	17919	1801
XANTHI	85	937	2924	124	17486	1640
KAVALA	32	1509	885	44	7372	242
DRAMA	256	2192	7666	57	7395	881
SERRES	392	3691	6351	678	72486	5117
THES/NIKI	731	18365	19265	415	60384	8602
CHALKIDIKI	250	2757	11140	122	16437	2652
KILKIS	307	1236	11226	62	8927	1634
EVIA	0	0	0	17	500	250
PELLA	179	2647	6186	79	5595	1241
IMATHIA	617	3434	9568	153	8831	1776
PIERIA	1101	29557	10831	24	2710	145
KOZANI	446	35	12097	0	0	0
FLORINA	495	2537	10042	102	9892	2540
KASTORIA	0	0	0	0	0	0
GREVENA	359	4342	8547	143	8010	1501
LARISSA	543	9575	26973	309	7108	15211
MAGNISIA	95	1517	1965	88	13339	2644
KARDITSA	76	1537	665	726	22434	2403
TRIKALA	6	630	370	11	1230	420
EVRIANIA	76	1447	756	305	14766	1264
FTHIOTIDA	834	5141	10279	456	24450	3087
IOANNINA	1824	10901	23639	1154	64178	9455
THESPROTIA	256	7810	7810	360	31780	3768
PREVEZA	600	6037	8565	586	31543	4427
ARTA	154	2293	2207	181	7758	864
ATTIKI	8	9	288	8	889	98
EAST ATTIKI	67	932	2115	41	2419	624
WEST ATTIKI	297	6370	6411	160	10571	1525
PIREUS	0	0	0	0	0	0
VIOTIA	308	3553	7014	103	11890	1000
FOKIDA	196	7190	3547	222	17735	1489
ETOL/NIA	148	3822	2071	190	17571	1670
KORINTHIA	530	7549	8775	157	10667	1242
ACHAIA	1010	6916	20098	1007	65932	7878
ILIA	54	248	2114	465	17750	2949
ARKADIA	411	3266	3266	247	18201	1891
ARGOLIDA	0	0	0	0	0	0
MESSINIA	35	582	187	56	2268	593
LAKONIA	402	3730	12906	164	10157	1959
TOTAL	14.074	171.447	288.253	9.195	648.580	96.483

YEAR 2003

TABLE 6. SUMMARY TABLE

IMPLEMENTATION OF VACCINATION PROGRAMME – FOLLOW UP

WHOLE COUNTRY - GREECE

DATE FROM : 1/1/2003

DATE TO: 31/12/2003

TABLE 6

ANALYSIS PER NOMOS 2003

IN THE SYSTEM
ONLY

NOMOS	VACCINATED FLOCKS			NEW VACCINATED (Previous non- vaccinated)		
	FLOCKS	VACCINATED	VACCINATED	FLOCKS	VACCINATED	VACCINATED
		ADULT SHEEP & GOATS	YOUNG SHEEP & GOATS		ADULT SHEEP & GOATS	YOUNG SHEEP & GOATS
CLONIA	278	6283	6129	188	18014	435
ST ATTIKH	38	283	1597	11	517	20
FA	71	250	2868	141	4388	
AIA	649	6295	15885	286	17329	254
OTIA	259	2704	7523	66	7297	120
AMA	161	942	5622	3	0	23
EIA	16	44	293	32	1610	44
ESSALONIKI	524	2526	17383	35	2679	63
ANNINA	938	2341	15146	194	6260	87
ZANI	535	98	16557	0	0	
GNHSIA	90	898	3135	59	5560	115
NIH	116	709	3569	6	163	3
ERIA	855	9774	25265	0	0	
EVE	0	0	0	18	639	1
DOPI	43	0	1019	1442	195042	1
RES	501	2762	9397	398	64146	815
DRINA	570	571	12376	108	16247	345
KIDA	207	761	7176	24	1864	23
TOTAL	5852	37341	150960	3011	341753	2355

NOTE : For the other prefectures where vaccination is implemented there is not accurate data at the presence. The data from these prefectures are collected and the Commission will be informed when the collection of data will be completed .

TABLE 7
IMPLEMENTATION OF BOVINE VACCINATION PROGRAMME
FROM 1-1-2001 TILL 31-12-2001

NOMOS	VAC.FLOCKS	VAC.ADULT ANIMALS	VAC.YOUNG ANIMALS
EVROS	0	0	0
THES/NIKI	2	11	3
THESPROTIA	120	1713	267
ETOLNIA	4	74	0
PREVEZA	18	811	161
IOANNINA	143	2056	349
TRIKALA	172	2487	437
LARISSA	-	-	-
FOKIDA	-	-	-
FLORINA	-	-	-
TOTAL	459	7152	1217

TABLE 8

BRUCELLA MELITENSIS CONTROL AND ERADICATION PROGRAMME FOR 1997
IMPLEMENTATION OF CONTROL AND ERADICATION PROGRAMME

	NOMOS	EXISTED FLOCKS	INVESTI GATED	POSTI TIVE	%	EXISTED ANIMALS	INVESTI GATED	POSTI TIVE	%	SLACG HEIRD
1	CORFU	107	71	1	1,41	10749	2954	1	0,03	1
2	LEFKADA	393	166	1	0,60	18346	8441	42	0,50	42
3	KEFALONIA	1140	130	5	3,85	136274	6654	15	0,23	15
4	LESBOS	3719	0	0	0,00	341295	0	0	0,00	0
5	CHIOS	81	76	0	0,00	23250	2848	6	0,21	6
6	SAMOS	532	81	0	0,00	36813	6499	0	0,00	0
7	KYKLADES	4459	1508	0	0,00	211978	41146	0	0,00	0
8	DODEKANISA	892	358	22	6,15	78000	13765	780	5,67	780
9	ZAKINTIOS	53	53	0	0,00	5044	2069	0	0,00	0
10	CHANIA	2517	807	5	0,62	291373	30290	18	0,06	18
11	RETHIMNO	2790	64	0	0,00	349224	2684	0	0,00	0
12	HERAKLIO	1917	867	6	0,69	168668	38234	67	0,18	67
13	LASITHI	829	805	9	1,12	109748	43596	107	0,25	107
TOTAL		19429	4986	49		1780762	199180	1036		1036

NUMBER OF BOVINES VACCINATED DURING 2002

TABLE 9

BRUCELLA MELITENSIS CONTROL AND ERADICATION PROGRAMME FOR 1997
EPIDEMIOLOGICAL SITUATION IN 31 - 12

NOMOS	FLOCKS	HEALTH STATUS				ANIMALS	VACCINATED ANIMALS HEALTH STATUS					
		M1	M2+	M3	M4		M1	M2-	M2+5	M3	M4	
1	CORFU	107	1	0	32	10749	0	0	0	0	1368	
2	LEFKADA	393	0	0	0	18346	4184	14102	0	0	0	
3	KEFALONIA	1140	8	0	39	136274	102148	26261	1445	0	6420	
4	LESBOS	3719	0	0	3719	341295	0	0	0	0	341295	
5	CHIOS	81	1	0	64	23250	10068	2350	8008	0	20000	
6	SAMOS	532	0	0	127	36813	622	24757	0	0	11434	
7	KYKLADES	4459	0	0	2122	211978	43938	81094	0	0	86945	
8	DODEKANISA	892	31	0	6	78000	138730	57012	5940	0	1175	
9	ZAKINTIOS	53	0	0	43	45044	0	340	0	0	4704	
10	CHANIA	2517	1356	987	173	291373	169021	108069	64	0	14219	
11	RETHIMNO	2790	2013	777	0	349224	266023	83201	0	0	0	
12	HERAKLIO	1917	446	586	8	168668	61785	105515	1368	0	0	
13	LASITHI	829	4	401	11	109748	435	79675	7637	0	22001	
TOTAL	19429	6519	5234	61	0	7615	1780762	662130	591574	1749	0	509561

TABLE 10

**BRUCELLA MELITENSIS CONTROL AND ERADICATION PROGRAMME FOR 1998
IMPLEMENTATION OF CONTROL AND ERADICATION PROGRAMME**

	NOMOS	EXISTED FLOCKS	INVESTIGATED	POSITIVE	%	EXISTED ANIMALS	INVESTIGATED	POSITIVE	%	SLAUGHTERED
1	CORFU	109	27	11	40,74	10920	2584	5	0,19	8
2	LEFKADA	386	56	0	0,00	18236	1683	0	0,00	0
3	KEFALONIA	1145	37	9	24,32	136421	3136	69	2,20	77
4	LESBOS	3719	205	0	0,00	341295	9675	0	0,00	0
5	CHIOS	81	17	0	0,00	23250	1307	0	0,00	0
6	SAMOS	211	11	0	0,00	15985	397	0	0,00	0
7	KYKLADES	4459	631	0	0,00	213978	18753	0	0,00	0
8	DODEKANISA	932	147	22	14,97	81944	9829	274	2,79	530
9	ZAKINTHOS	53	0	0	0,00	5044	0	0	0,00	0
10	CHANIA	2517	239	0	0,00	291373	10554	0	0,00	0
11	RETHIMNO	2790	0	0	0,00	348224	0	0	0,00	0
12	HERAKLIO	1951	480	17	3,54	334763	29861	307	1,03	224
13	LASITHI	806	388	16	4,12	145241	26289	336	1,28	188
TOTAL		19159	2238	75		1967674	114068	991		1027

TABLE 11

**BRUCELLA MELITENSIS CONTROL AND ERADICATION PROGRAMME FOR 1998
EPIDEMIOLOGICAL SITUATION IN 31 - 12 - 1998**

	NOMOS	FLOCK	FLOCK HEALTH STATUS					ANIMALS	ANIMALS HEALTH STATUS				
			M1	M2-	M2+	M3	M4		M1	M2-	M2+	M	M4
1	CORFU	109	0	50	3	0	56	10920	0	8378	479	0	2063
2	LEFKADA	386	81	304	1	0	0	18236	3085	14501	650	0	0
3	KEFALONIA	1145	911	187	6	0	41	136421	98810	31746	1075	0	6790
4	LESBOS	3719	0	0	0	0	3719	341295	0	0	0	0	341295
5	CHIOS	81	0	16	1	0	84	23250	0	2450	800	0	20000
6	SAMOS	211	42	83	0	0	86	15985	622	8991	0	0	6372
7	KYKLADES	4459	1036	129	0	0	2129	213978	19887	106914	0	0	87177
8	DODEKANISA	932	232	655	39	0	6	81944	8427	65757	6585	0	1175
9	ZAKINTHOS	53	0	10	0	0	43	5044	0	340	0	0	4704
10	CHANIA	2517	1130	120	0	0	181	291373	141188	135567	0	0	14618
11	RETHIMNO	2790	1911	877	0	0	2	348224	266023	83006	0	0	195
12	HERAKLIO	1951	329	774	11	0	837	334763	36910	142117	2765	0	152971
13	LASITHI	806	0	333	6	0	467	145241	0	71997	2927	0	70317
TOTAL		19159	5672	578	67	0	7631	1967674	572952	671764	15281	0	707677

TABLE 12

IMPLEMENTATION OF ERADICATION PROGRAMME
FROM 1-1-99 TILL 31-12-99

NOMOS	EXISTED FLOCKS	INVESTIG. FLOCKS	INFECT FLOCKS	% INFECT	EXISTED ANIMALS	INVEST ANIMALS	INFECT ANIMALS	% INFECT	SLAUGHT
CORFU	117	59	2	3,39	11136	2444	2	0,08	2
LEFKADA	386	15	1	6,67	18258	440	2	0,45	2
KEFALONIA	1155	93	1	1,08	136421	5921	4	0,07	4
LISBOS	3719	52	0	0,00	341295	1040	0	0,00	0
CHIOS	81	74	1	1,35	23250	3619	5	0,14	2
SAMOS	509	110	0	0,00	37192	7214	0	0,00	0
KYKLADES	4366	376	0	0,00	231937	8429	0	0,00	0
DODEKANISA	976	264	25	9,47	90976	22545	277	1,23	189
ZAKINTHOS	53	0	0	0,00	5044	0	0	0,00	0
CHANIA	2608	114	0	0,00	291373	4351	0	0,00	0
RETHIMNO	2790	269	1	0,37	349132	13880	18	0,13	0
HERAKLIO	2159	683	19	2,78	369723	58812	306	0,52	263
LASITHI	616	536	12	2,24	148873	27318	169	0,62	153
PIREUS	336	19	5	26,32	25484	775	71	9,16	46
TOTAL	20071	2664	67		2080094	156788	854		661

TABLE 13

EPIDEMIOLOGICAL SITUATION IN 31 - 12 - 1999
IN THE AREA WHERE ERADICATION PROGRAMME IS IMPLEMENTED

	NOMOS	FLOCKS	FLOCK HEALTH STATUS				ANIMALS				ANIMALS HEALTH STATUS			
			M1	M2-	M2+	M3	M4	M1	M2-	M2+	M3	M4	M1	M2-
1	CORFU	117	0	15	1	0	101	1136	0	6890	243	0	4203	
2	LEFKADA	386	67	317	2	0	18258	2782	14688	787	0	0		
3	KEFALONIA	1155	838	269	1	0	136421	82268	46187	148	0	7818		
4	LESBOS	3719	0	0	0	3719	341295	0	0	0	0	341295		
5	CHIOS	61	0	16	1	0	23250	0	2450	800	0	20000		
6	SAMOS	508	0	65	0	444	37192	0	5722	0	0	31470		
7	KYKLADES	4366	1117	1093	0	0	231937	38719	101425	0	0	91793		
8	DODEKANISA	976	298	627	44	0	90976	7040	75707	6976	0	1253		
9	ZAKINTIOS	53	0	10	0	43	5044	0	340	0	0	4704		
10	CHANIA	2608	1017	1409	0	182	291373	126511	150244	0	0	14618		
11	RETHIMNO	2790	1890	1097	1	0	349132	229163	119646	220	0	103		
12	HERAKLIO	2158	150	824	14	0	369723	19389	154593	2888	0	192853		
13	LASITHI	816	21	287	4	0	148873	481	67606	1969	0	78817		
14	PIREUS	336	110	126	14	86	25484	6511	11633	1570	5770	0		
	TOTAL	20071	5308	6155	82	86	2080094	427814	766932	13523	5770	788927		

TABLE 14

IMPLEMENTATION OF ERADICATION PROGRAMME
FROM 1-1-2000 TILL 31-12-2000

NOMOS	EXISTED FLOCKS	INVESTIG. FLOCKS	INFECT FLOCKS	% INFECT	EXISTED ANIMALS	INVEST ANIMALS	INFECT ANIMALS	% INFECT
CORFU	201	115	3	2.61	13240	4336	32	0.74
LEFKADA	377	89	15	16.85	18106	5785	95	1.64
KEFALONIA	1171	399	0	0.00	139921	20711	0	0.00
LESBOS	3710	422	0	0.00	327500	20966	0	0.00
CHIOS	91	102	3	2.94	27768	6194	100	1.61
SAMOS	540	253	0	0.00	36208	9045	0	0.00
KYKLADES	4366	980	0	0.00	231937	23698	0	0.00
DODEKANIS	677	455	41	9.01	99611	33218	465	1.40
ZAKINTHOS	218	186	1	0.54	14363	5804	3	0.05
CHANIA	2855	449	0	0.00	321937	15331	0	0.00
RETJIMNO	2790	767	5	0.65	349030	38062	68	0.18
HERAKLIO	4219	462	14	3.03	322889	40024	75	0.19
LASITHI	840	460	16	3.48	152405	33099	123	0.37
PIREUS	329	35	0	0.00	24964	1200	0	0.00
THASOS	290	45	0	0.00	40000	2163	0	0.00
SKOPELOS	68	30	0	0.00	9126	1007	0	0.00
TOTAL	22.942	5.249	98	1.88	2.131.005	260.633	961	0.37

TABLE 15

EPIDEMIOLOGICAL SITUATION IN 31 - 12 - 2000
IN THE AREA WHERE ERADICATION PROGRAMME IS IMPLEMENTED

	NOMOS	FLOCK		FLOCK HEALTH STATUS				ANIMALS				ANIMALS HEALTH STATUS			
		FLOCK	FLOCK	M1	M2	M+	M3	M4	M1	M2	M+	M3	M4		
1	CORFU	201	0	26	5	0	170	13240	0	5172	516	0	7552		
2	LEFKADA	377	63	247	8	0	59	18106	2761	10995	800	0	3550		
3	KEFALONIA	1171	386	736	2	0	47	139921	15200	116755	148	0	7818		
4	LESBOS	3710	0	0	0	0	3710	327500	0	0	0	0	327500		
5	CHIOS	91	0	0	2	0	89	27768	0	0	2426	0	25342		
6	SAMOS	540	73	90	0	0	377	38208	7068	6016	0	0	25124		
7	KYKLADES	4366	271	1850	0	0	2245	231937	5987	124078	0	0	101872		
8	DODEKANIS	877	1	820	48	0	10	99611	12	91171	7035	0	1393		
9	ZAKINTHOS	218	9	209	0	0	0	14363	673	13690	0	0	0		
10	CHANIA	2855	892	1781	0	0	182	321937	116074	191245	0	0	14618		
11	RETHIMNO	2790	982	1803	3	0	2	349030	136754	211756	325	0	195		
12	HERAKLIO	4219	67	798	22	0	3332	322889	15660	138814	4261	0	164154		
13	LASITHI	840	2	295	8	0	535	152405	61	58573	2908	0	90863		
14	PIREUS	329	87	93	5	0	144	24964	5634	8530	801	0	9999		
15	THASOS	290	0	259	0	0	31	40000	0	34991	0	0	5009		
16	SKOPELOS	68	0	0	0	0	68	9126	0	0	0	0	9126		
	TOTAL	22.942	2.833	9.007	10	0	11.001	2.131.005	305.884	1.011.786	19.220	0	794.115		

TABLE 16

IMPLEMENTATION OF ERADICATION PROGRAMME
FROM 1-1-2001 TILL 31-12-2001

NOMOS	EXISTED FLOCKS	INVESTIG. FLOCKS	INFECT FLOCKS	% INFECT	EXISTED ANIMALS	INVEST ANIMALS	INFECT ANIMALS	% INFECT
CORFU	282	68	1	1,47	13824	3685	4	0,11
LEFKADA	362	106	10	9,43	16287	4894	12	0,25
KEFALONIA	1050	344	2	0,58	160160	22855	3	0,01
LESBOS	3757	213	0	0,00	323818	13870	0	0,00
CHIOS	129	98	2	2,04	30275	6166	44	0,71
SAMOS	560	44	0	0,00	39057	3383	0	0,00
KYKLADES	3937	1070	0	0,00	227210	33870	0	0,00
DODEKANISA	997	372	33	8,87	104095	42064	539	1,28
ZAKINTHOS	169	167	2	1,20	10526	10144	2	0,02
CHANIA	3404	744	0	0,00	372849	25131	0	0,00
RETHIMNO	3090	97	0	0,00	349028	6742	0	0,00
HERAKLIO	2277	354	40	11,30	390454	38617	153	0,40
LASITHI	898	390	39	10,00	154129	35953	40	0,11
PIREUS	329	87	0	0,00	24964	3930	21	0,53
THASOS	281	39	0	0,00	39998	1675	0	0,00
SKOPELOS	68	0	0	0,00	9126	0	0	0,00
TOTAL	21590	4183	129		2265600	252979	818	

TABLE 17
EPIDEMIOLOGICAL SITUATION IN 31 -12 - 2001
IN THE AREA WHERE ERADICATION PROGRAMME IS IMPLEMENTED

	NOMOS	FLOCKS				FLOCK HEALTH STATUS				ANIMALS				ANIMALS HEALTH STATUS			
		M1	M2-	M+	M3	M4	M1	M2-	M+	M3	M4	M1	M2-	M+	M3	M4	
1	CORFU	282	0	65	4	0	213										
2	LEFKADA	362	40	239	8	0	75	13824	13824	0	2531	476	0	10617			
3	KEFALONIA	1050	0	920	2	0	128	16287	16287	2315	8757	363	0	4852			
4	LESBOS	3757	0	3439	0	0	318	160160	160160	0	14115	135	0	18873			
5	CHIOS	129	0	40	2	0	87	323818	323818	0	30237	0	0	21441			
6	SAMOS	560	73	161	0	0	326	30275	30275	0	1060	2400	0	26815			
7	KYKLADES	3937	0	1686	0	0	2251	39057	39057	7068	12711	0	0	19278			
8	DODEKANI	997	0	689	50	0	256	227210	227210	0	86276	0	0	140934			
9	ZAKINTHO	169	0	0	0	0	169	104095	104095	0	65484	7563	0	31048			
10	CHANIA	3404	696	2526	0	0	182	10526	10526	0	0	0	0	10526			
11	RETHIMNO	3090	1145	1940	3	0	2	372849	372849	10026	25796	0	0	14618			
12	HERAKLIO	2277	48	599	32	0	1598	349028	349028	10670	24180	325	0	193			
13	LASITHI	898	1	308	36	0	553	390454	390454	6544	11522	6584	0	262098			
14	PIREUS	329	87	79	5	0	158	154129	154129	18	53300	8456	0	92355			
15	THASOS	281	0	185	0	0	96	24964	24964	5634	7936	801	0	10593			
16	SKOPELOS	68	0	0	0	0	68	39998	39998	0	27021	0	0	12977			
	TOTAL	21590	2090	12876	142	0	6482	2265800	2265800	22854	13236	27103	0	686544	0	0	0

TABLE 18

IMPLEMENTATION OF ERADICATION PROGRAMME
FROM 1-1-2002 TILL 31-12-2002

NOMOS	EXISTED FLOCKS	INVESTIG. FLOCKS	INFECT FLOCKS	% INFECT	EXISTED ANIMALS	INVEST ANIMALS	INFECT ANIMALS	% INFECT
CORFU	282	0	0	0	13824	0	0	0
LEFKADA	362	200	0	0,00	16287	7868	0	0,00
KEFALONIA	1050	182	0	0,00	160160	16746	0	0,00
LESBOS	3757	186	57	30,6	323818	16520	1610	9,61
CHIOS	129	109	1	0,91	30275	6192	1	0,01
SAMOS	560	3	0	0	39057	53	0	0
KYKLADES	3937	633	0	0,00	227210	15780	0	0,00
DODEKANISA	997	204	29	14,21	104095	14439	354	2,45
ZAKINTHOS	169	14	0	0,00	10526	1024	0	0,00
CHANIA	3404	686	0	0,00	372849	24346	0	0,00
RETHIMNO	3090	0	0	0	349028	0	0	0
HERAKLIO	2277	245	16	6,53	390454	28582	105	0,36
LASITHI	898	407	17	4,17	154129	43298	79	0,18
PIREUS	329	28	0	0,00	24964	1193	0	0,00
THASOS	281	48	2	4,16	39998	3574	4	0,11
SKOPELOS	68	0	0	0,00	9126	0	0	0,00
TOTAL	21.590	2.945	122	4,14	2.265.800	179.615	2.163	1,19

TABLE 19
EPIDEMIOLOGICAL SITUATION IN 31 -12 - 2002
IN THE AREA WHERE ERADICATION PROGRAMME IS IMPLEMENTED

	NOMOS	FLOCKS				FLOCK HEALTH STATUS				ANIMALS				ANIMALS HEALTH STATUS			
		M1	M2	M+	M3	M4	M1	M2	M+	M4	M1	M2	M+	M	M4		
1	CORFU	282	0	65	4	0	213	13824	0	2531	476	0	10817				
2	LEFKADA	353	15	324	3	0	11	16810	1331	14433	138	0	908				
3	KEFALONIA	1276	104	988	0	0	133/51	171956	300	143392	0	0	28264				
4	LESBOS	3757	0	3400	67	0	300	329802	0	300283	5984	0	23535				
5	CHIOS	138	0	48	2	0	88	30508	0	1244	2400	0	26864				
6	SAMOS	502	29	118	0	0	302/53	35921	3866	6646	0	0	25409				
7	KYKLADES	4335	0	1491	0	0	2844	238495	0	67705	0	0	170790				
8	DODEKANIS	1038	0	584	60	0	394	106291	0	58460	8255	0	39576				
9	ZAKINTHOS	169	0	0	0	0	169	10526	0	0	0	0	10526				
10	CHANIA	4397	1604	2611	0	0	182	412113	132245	265250	0	0	14618				
11	RETHIMNO	3090	1145	1940	3	0	2	349028	106706	241804	325	0	193				
12	HERAKLIO	2851	437	690	11	0	1596/111	516978	93802	111739	3600	0	307837				
13	LASITHI	1110	58	333	17	0	639/63	154173	1160	61817	5795	0	95401				
14	PIREUS	329	87	79	5	0	158	24884	5634	7936	801	0	10593				
15	THASOS	281	0	141	2	0	138	39998	0	16351	566	0	23081				
16	SKOPELOS	68	0	0	0	0	68	9126	0	0	0	0	9126				
	TOTAL	23.976	3.479	12.812	184		7.521	2.460.513	345.044	1.289.591	28.340		797.538				

REPORTED HUMAN CASES OF BRUCELLOSIS/ 10.000 INHABITANTS FROM 1975 TILL 2002

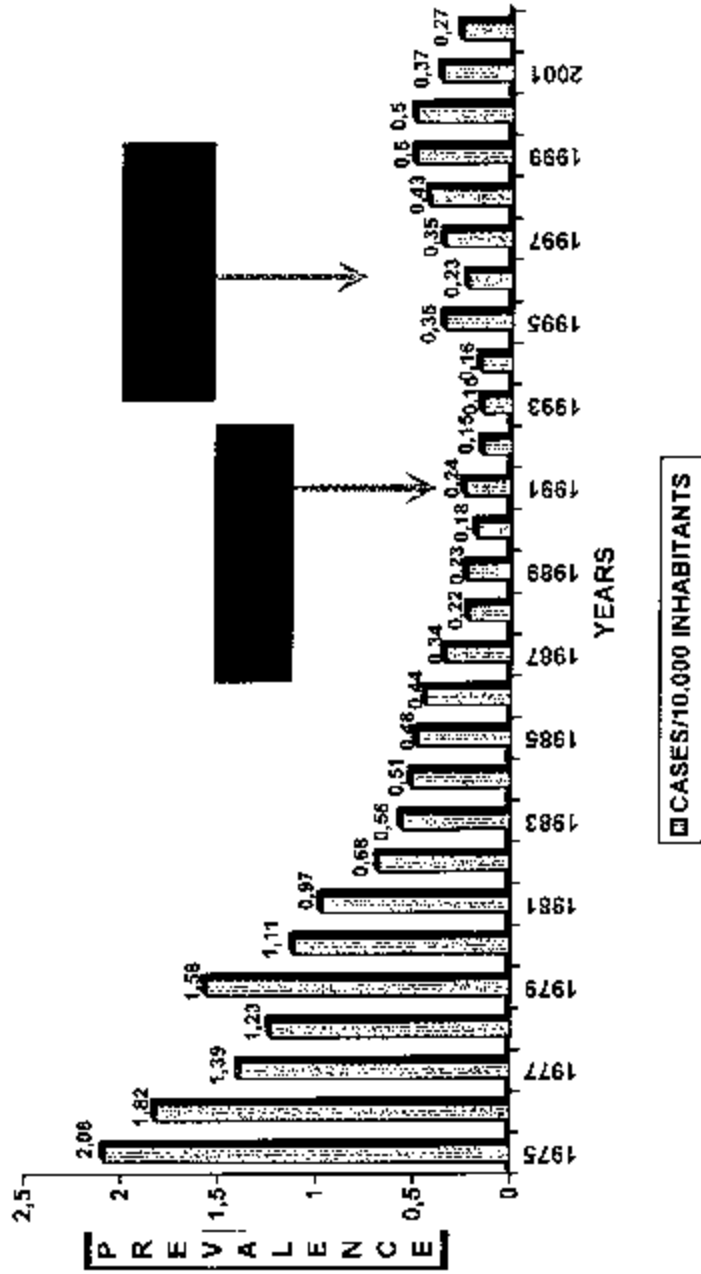


DIAGRAM 1
BRUCellosis IN HUMANS
HUMAN CASES REPORTED IN THE MINISTRY OF PUBLIC HEALTH FROM 1975 TILL 2001

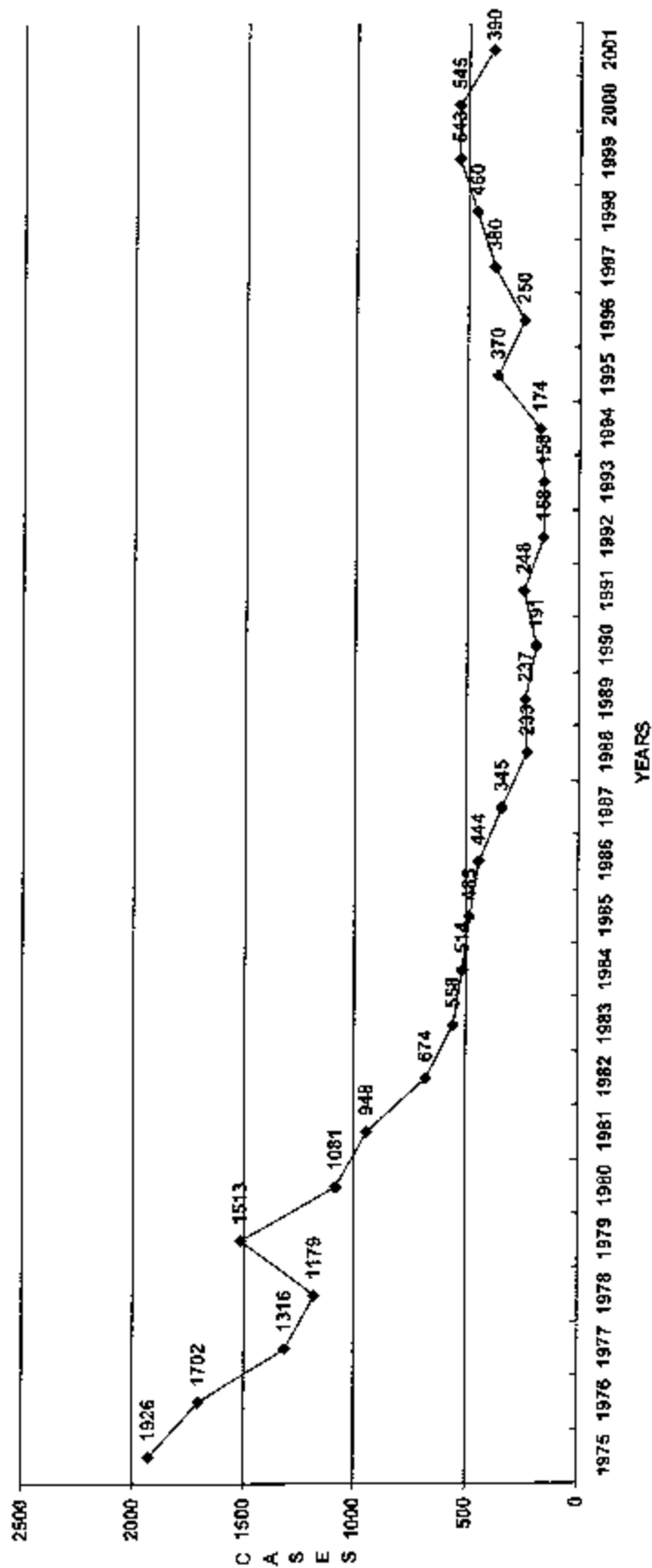


TABLE 20
OVINE AND CAPRINE ERADICATION PROGRAMME 2003.
IMPLEMENTATION

	NOMOI	FLOCKS TESTED	POSITIVE FLOCKS	SHEEP & GOAT TESTED	POSITIVE SHEEP & FLOCKS
1.	KERKYRA	0	0	0	0
2.	LEYKADA	47	1	2482	2
3.	KEFALLINIA	62	8	7281	181
4.	LESVOS	145	8	13348	198
5.	XIOS	103	1	6398	6
6.	SAMOS	64	0	2226	0
7.	KYKLADES	73	0	12614	183
8.	DODEKANISSA	126	7	12614	183
9.	ZAKYNTHOS	0	0	0	0
10.	XANIA	0	0	0	0
11.	RETHYMNO	6	0	1738	0
12.	HRAKLIO	22	4	2123	55
13.	LASITHI	186	4	18613	100
14.	PEIREAS	7	4	774	173
15.	KAVALA	5	3	658	129
TOTAL		846	40	70542	1027

TABLE 21

EPIDEMIOLOGICAL SITUATION AT THE END OF THE YEAR 2003. ERADICATION ZONE (ISLANDS OF GREECE)

	NOMOS	EXISTED FLOCKS		FLOCK HEALTH STATUS						EXISTED ANIMALS		ANIMALS HEALTH STATUS					
		M 1	M 2	M +	M 3	M 4S	MA	M 1	M 2	M +	M 3	M 4S	M 1	M 2	M +	M 3	M 4S
1	CORFU	282	0	65	4	0	0	213	13824	0	2531	476	0	0	0	0	10817
2	LEFKADA	372	15	258	1	0	19	79	17411	1374	10108	55	0	1548	4326		
3	KEFALONIA	1209	0	976	16	0	164	53	179612	0	140546	3232	0	25425	10409		
4	CHIOS	283	48	35	4	0	0	196	38409	810	849	1104	0	0	35646		
5	SAMOS	607	46	91	0	0	16	454	38185	3368	4872	0	0	1964	27981		
6	KYKLADIES	4335	0	1165	0	0	0	3170	238495	0	47339	0	0	0	191156		
7	DODEKANIS	1104	0	643	58	0	369	34	112066	0	63369	8311	0	36971	3415		
8	ZAKINTHOS	169	0	0	0	0	0	169	10526	0	0	0	0	0	10526		
9	CFIANJA	4397	1604	2611	0	0	0	182	412113	132245	265250	0	0	0	14618		
10	RETHIMNO	3167	1122	2044	1	0	0	0	487983	203009	284914	160	0	0	0		
11	HIERAKLIO	3176	480	695	12	0	1873	116	525390	98945	112997	3462	0	29563	14331		
12	LASITHI	1135	59	292	7	0	0	777	164207	1210	47604	2014	0	0	113379		
13	PIREUS	1854	87	79	5	0	0	158	25484	5634	7936	801	0	0	10593		
14	THASOS	281	0	131	3	0	0	147	39998	0	15223	552	0	0	24223		
15	SKOPELOS	68	0	0	0	0	0	68	9126	0	0	0	0	0	9126		
	TOTAL	22439	3462	9085	111		2445	5816	2312829	446596	1003538	20167		95473	480550		

TABLE 22. REV 1 BOVINE VACCINATION DURING 2003. IMPLEMENTATION IN DETERMINED AND APPROVED AREAS

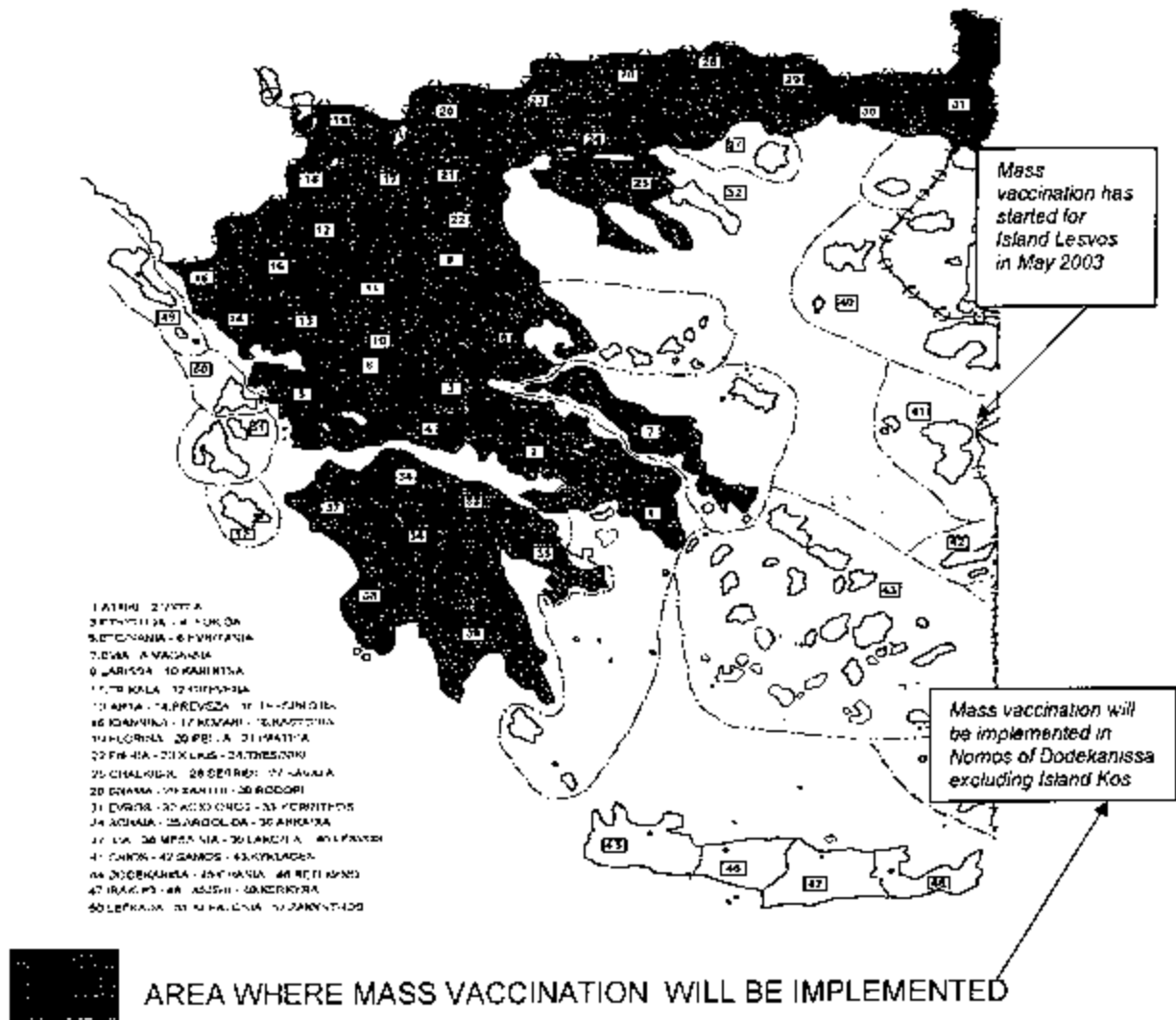
REV 1 BOVINE VACCINATION PROGRAMME FROM 1/5/2003 TO 31/12/2003 DATA

	EXISTING HERDS AND ANIMALS PER REGION		HERDS	TOTAL NUMBER OF ANIMALS	HERDS VACCINATED			TOTAL NUMBER OF ANIMALS	BOVINES	
	HERDS	ANIMALS			VACCINATED ANIMAL	NON VACCINATED DAIRY	NON VACCINATED OTHER BOVINES			
PREVEZA	113	7416	28	3161	1690	591	880			
TRIKALA	13	1205	13	1205	1150		55			
PTHIOTIDA	2	85	2	85	57		28			
IOANNINA	7	908	7	908	351	104	451			
ETOLNIA	879	36185	11	708	329	259	120			
FLORINA	8	259	8	259	199	55	5			
KASTORIA	20	900	6	434	144	117	173			
PIERIA	1	295	1	295	163	101	33			
GREVENA	1	248	1	248	143		105			
TOTAL	1044	47501	77	7303	4226	1227	1950			

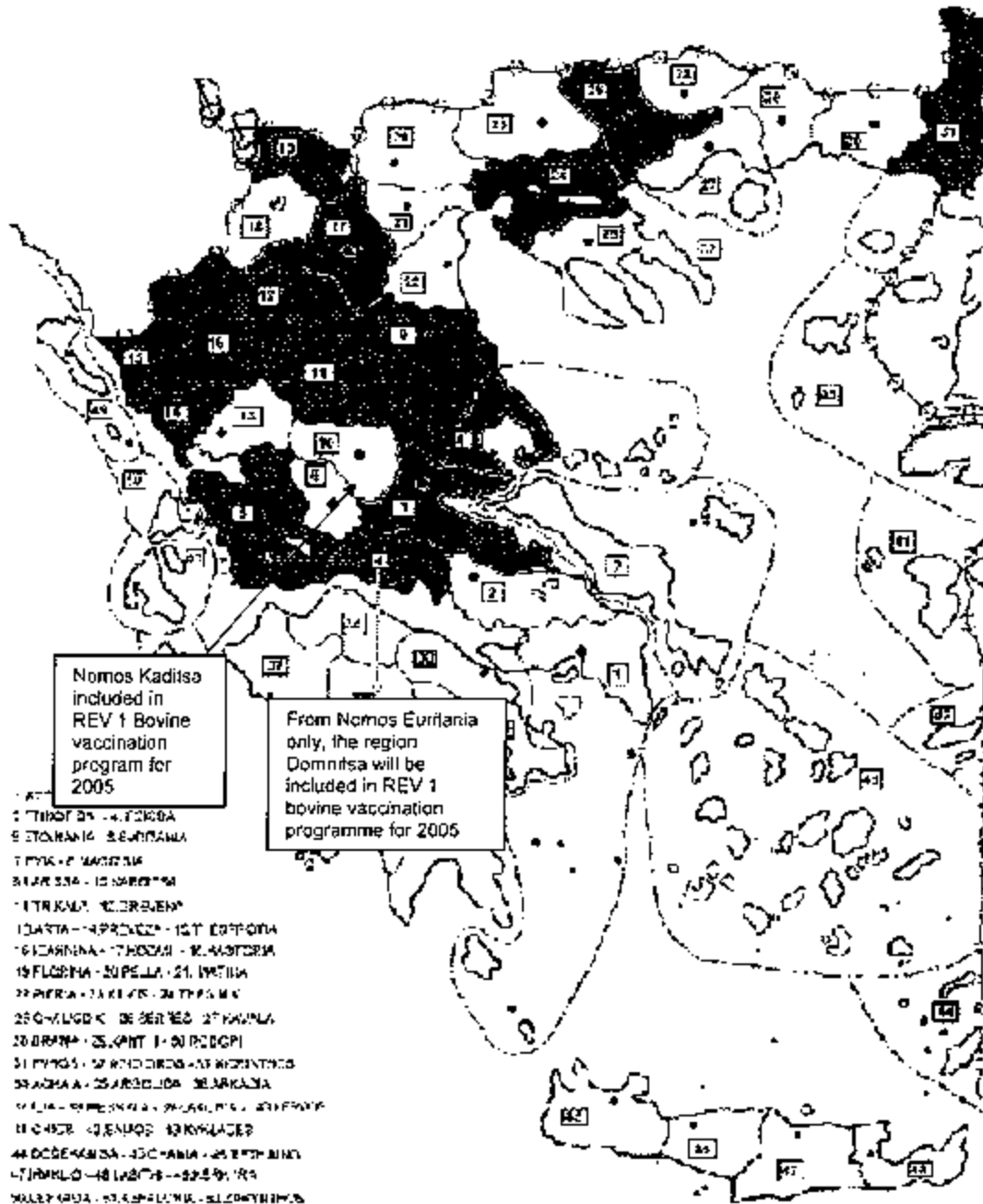
HERDS NON VACCINATED			
		BOVINES	
HERDS	TOTAL NO. ANIMALS	ADULT ANIMALS	OTHER BOVINES
RPEVEZA: 85	4255	3013	1242
ETOL/NIA : 868	35477	19993	15484
KASTORIA: 14	466	361	105
TOTAL 967	40198	23367	16831

ANNEX II

MAP I. OVINE AND CAPRINE CONTROL AND ERADICATION PROGRAMME FOR 2005



MAP II. PREFECTURES IN WHICH VACCINATION OF BOVINES WILL BE IMPLEMENTED DURING 2005



AREA IN WHICH VACCINATION OF BOVINES WILL BE IMPLEMENTED

ARRIVED SANCO 04		URGENT	
ACTION	VF	TC	
20. 10. 2008			
INFO			ALL
FILING	04	VF	1009.GL

ΑΙΥΟ.278

ΕΛΛΗΝΙΚΗ ΔΗΜΟΚΡΑΤΙΑ
ΥΠΟΥΡΓΕΙΟ ΑΓΡΟΤΙΚΗΣ ΑΝΑΠΤΥΞΗΣ
& ΤΡΟΦΙΜΩΝ
ΓΕΝΙΚΗ ΔΙΕΥΘΥΝΣΗ ΚΤΗΝΙΑΤΡΙΚΗΣ
Δ/ΝΣΗ ΥΓΕΙΑΣ ΤΩΝ ΖΩΩΝ
ΤΜΗΜΑ ΖΩΟΑΝΘΡΩΠΟΝΟΣΩΝ

14 Οκτωβρίου 2008

Αριθ. πρωτ.: 259062

Ταχ. Δ/ση : Αχαρνών 2
Ταχ. Κώδικας : 10176 Αθήνα
Τηλεφωνικός : Α. Παυτελιάδου
16669 Δ. Βουρβίλης

ΠΡΟΣ: EUROPEAN COMMISSION
HEALTH & CONSUMER
PROTECTION DIRECTORATE
GENERAL

Unit 04- Veterinary Control
Programmes

B-1049 101 03/88 Brussel-
Belgium . Office: B-232 9/01

Attention to Dr. Valentina
Piazza

DG SANCO		16669	
21. 10. 2008			
Deachtu w:			
File:			
DG	DDG	CC	DDG
		A	B
		C	D
		E	F
Τηλέφωνο : 112 5725-26			
Fax : 210 8252614			
e-mail : ax2u162@mlnaadec.gr			

ΘΕΜΑ: Εφαρμογή των προγραμμάτων ελέγχου και εκκρίωσης ζωοανθρωποδόσων - Πρόγραμμα ελέγχου και εκκρίωσης της βρουκέλλωσης των αιγών και προβάτων έτους 2009

ΣΧΕΤ. Το από 6/10/2008 μήνυμά σας σε ηλεκτρονική μορφή (e-mail)

Σε απάντηση του παραπάνω σχετικού , σας γνωρίζουμε ότι συμφωνούμε με τα ευρήματα και τα συμπεράσματα που προέκυψαν από την πρόσφατη επίσκεψη στην χώρα μας του Γραφείου Επιθεώρησης Κτηνιατρικής & Τροφίμων (F.V.O) της Ε. Επιτροπής (Μαΐο 2008) , με σκοπό την αξιολόγηση της πορείας των προγραμμάτων ελέγχου και εκκρίωσης ζωνοδόσων.

Η Γενική Δ/ση Κτηνιατρικής σε συνεργασία με τις αρμόδιες κεντρικές και περιφερειακές υπηρεσίες τοπικού και νομαρχιακού Επιπέδου, καταβάλλει συνεχείς προσπάθειες επίλυσης όλων των σχετικών και χρόνιων διαρθρωτικών προβλημάτων που σχετίζονται με τις ελλείψεις στην τήρηση των όρων και των προϋποθέσεων εφαρμογής των εν λόγω προγραμμάτων.

Στο πλαίσιο των παραπάνω προσπάθειών , πρωτοβουλιών και ενεργειών της Ελληνικής πλευράς, θεσπίστηκε ο θεσμός του εγκεκριμένου κτηνιάτρου και υπεγράφη από τον Υπουργό Αγροτικής Ανάπτυξης & Τροφίμων το αντίστοιχο σχέδιο Προεδρικού Διατάγματος το οποίο ρυθμίζει όλες τις λεπτομέρειες και τους όρους λειτουργίας του θεσμού.

Το Σχέδιο του Προεδρικού Διατάγματος έχει ήδη προωθηθεί στο Υπουργείο Οικονομίας και Οικονομικών και αναμένεται η έγκριση και η συνυπογραφή του από τον Αρμόδιο Υφυπουργό Οικονομίας.

Εκφραζόμε , ότι εντός του έτους 2009 το Σχέδιο του Προεδρικού Διατάγματος για τον «εγκεκριμένο κτηνίατρο» θα τεθεί σε γενική εφαρμογή και θα συμβάλει ουσιαστικά 1) στην αντιμετώπιση των γνωστών ελλείψεων που παρατηρούνται

μέχρι σήμερα και επηρεάζουν την αποτελεσματική εφαρμογή όλων των προγραμμάτων ελέγχων και εκρίζωσης ζωνόσων και 2) στην σημαντική επιπόχυνση της εφαρμογής του προγράμματος ελέγχου και εκρίζωσης της βρουκέλλωσης των αιγών και προβάτων από το έτος 2009 και εφεξής.

Προσβλέπουμε στην κατανόησή σας και στην αναγνώριση των συνεχών προσπαθειών που καταβάλλονται από την πλευρά μας, προκειμένου να επιλύσουμε χρόνια διαρθρωτικά και διοικητικά προβλήματα που σχετίζονται με τον τομέα πρόληψης και καταπολέμησης των ζωνόσων.



Η ΠΡΟΪΣΤΑΜΕΝΗ ΔΙΕΥΘΥΝΣΗΣ

ΙΩΑΝΝΑ ΑΓΓΕΛΗ