

**CYPRUS BRUCELLOSIS ERADICATION
PROGRAMME IN BOVINE AS WELL AS
OVINE AND CAPRINE (OC) ANIMALS
FOR 2008**

LEGISLATION

EU-Legislation

SHEEP AND GOATS

Dir. 91/68/EC

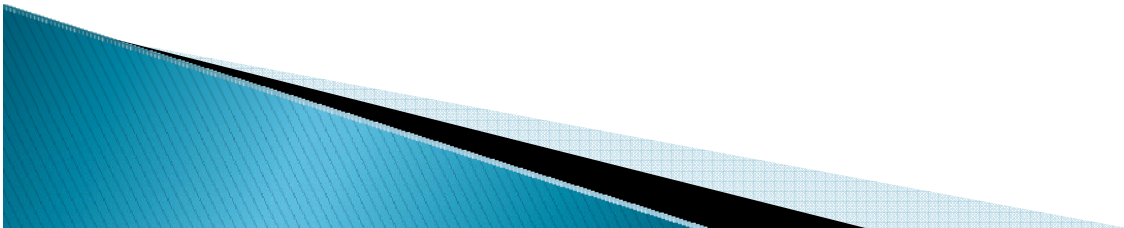
BOVINES

Dir. 64/432/EC

National Legislation

(transposing EU Legislation)

- Orders ΚΔΠ 725/2003, 56/2005
- Orders ΚΔΠ 724/2003, 160/2005



APPLIED PROGRAMMES

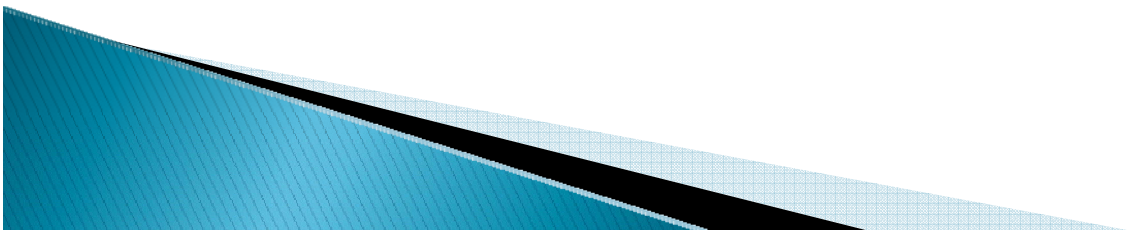
- ▶ Eradication programme in infected sheep and goat flocks and bovine herds.
- ▶ Monitoring and surveillance programme in non infected sheep and goat flocks as well as bovine herds aiming the declaration of holdings as brucellosis officially free.

- Vaccination has never been applied in Cyprus
- Treatment for brucellosis is prohibited by law

ERADICATION PROGRAMME

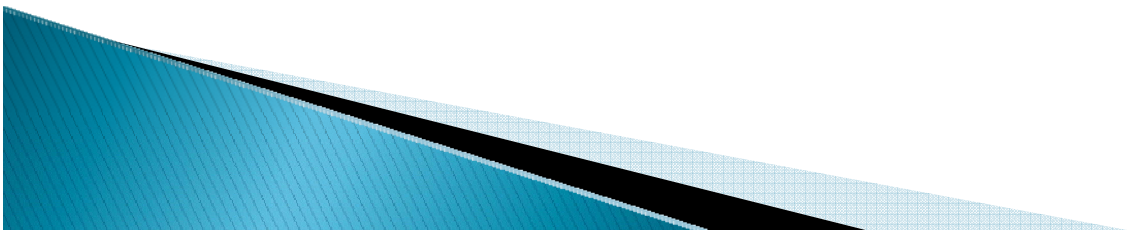
Measures applied in infected holdings

- Restriction of all farm movements.
- Milk from the infected farms is collected in separate milk tanks.
- Cleaning and disinfection of infected farms under the supervision of the Veterinary Services, which provides the disinfectant.
- Pasture is either buried or collected and disinfected.
- Serological examination of dogs or other species of animals susceptible to Brucellosis found in infected farms.



ERADICATION PROGRAMME

- Isolation and slaughter of seropositive animals.
- After the slaughter of positives, all sheep and goats over six months and all bovine over twelve months, are serologically reexamined
 - Individual screening (R.B.T.)
 - Positive samples C.F.T. confirmation
- Culling of seropositive animals
- Compensation 100% of the reproductive value
- Declaration of a holding as brucellosis non infected and withdrawal of restrictive measures after four consecutive negative tests in a period of six months
- In case of depopulation restocking at least after 6 months



TESTS PERFORMED IN 2008

▶ SHEEP AND GOATS

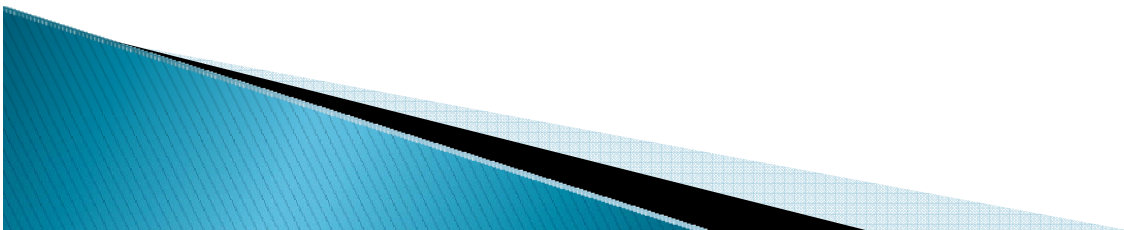
- ▶ **Total sheep and goat flocks, under the programme: 3.341**
 - **Positive flocks: 4**
 - **New positive flocks: 1**

- ▶ **Total animals tested: 222,856**
 - **Positive animals: 1**
 - **Animals slaughtered: 28**

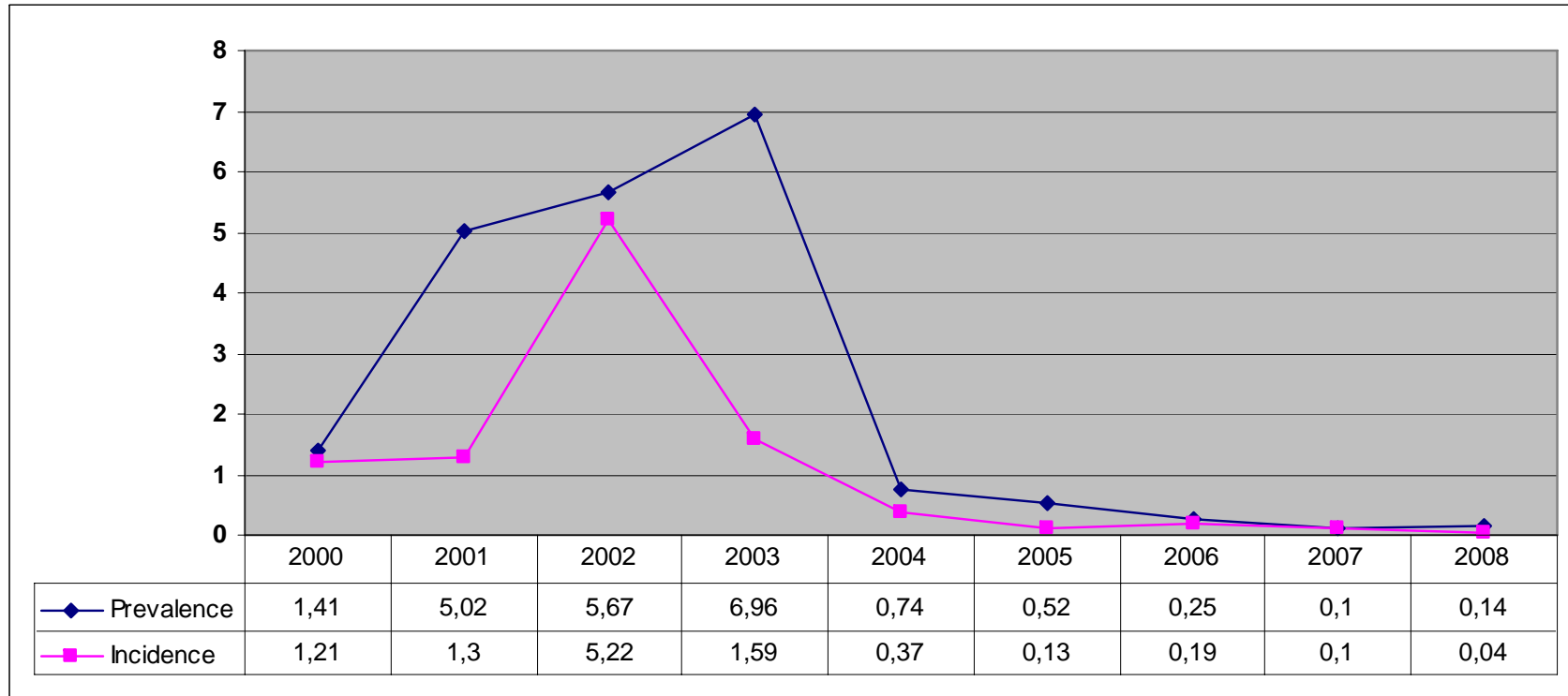
BOVINES

- ▶ **Total bovine herds, under the programme : 320**
 - **Positive herds: 1**
 - **New positive herds: 1**

- ▶ **Total animals tested during 2008: 35,038**
 - **Positive animals: 1**
 - **Number of animals slaughtered: 1**



EPIDEMIOLOGICAL EVOLUTION SMALL RUMINANTS

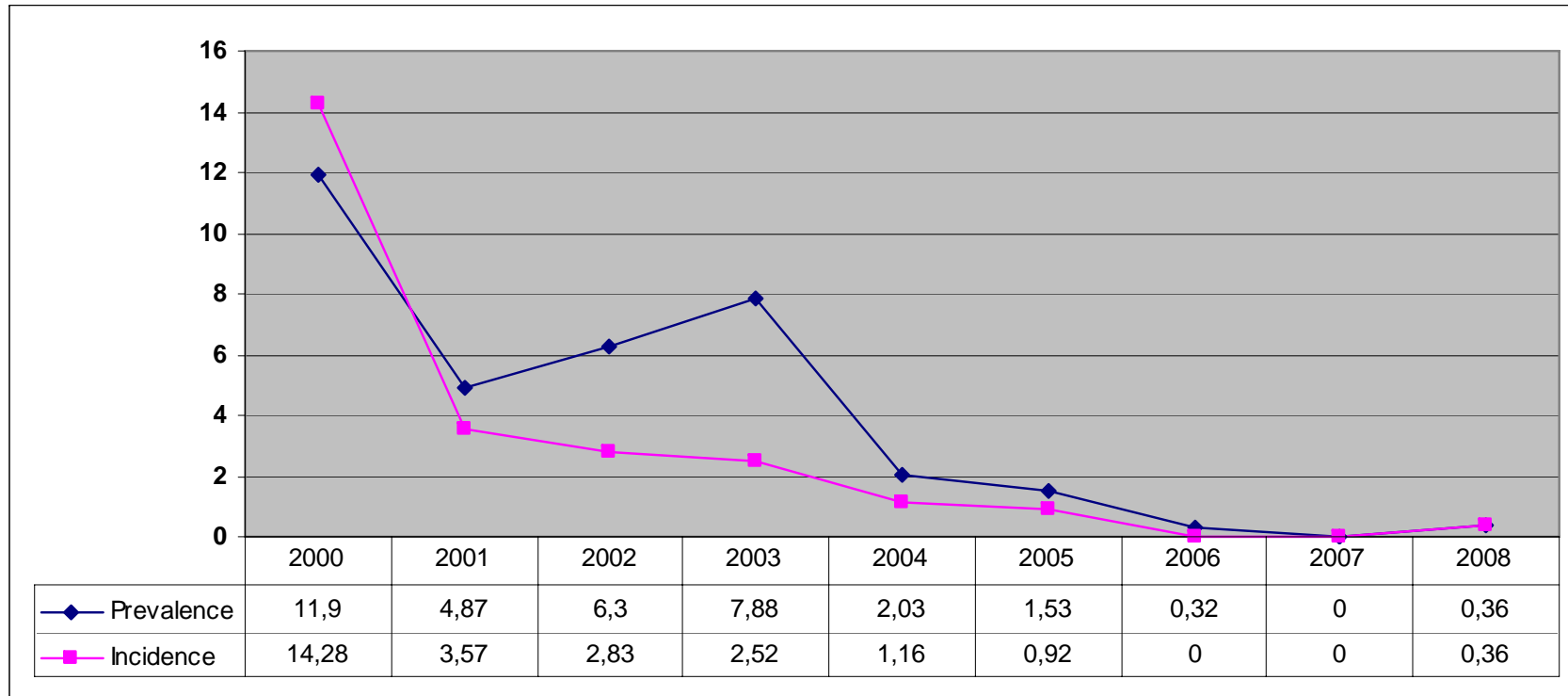


Evolution of prevalence and incidence of Ovine and Caprine Brucellosis in Cyprus

Prevalence: Number of positive flocks/Number of flocks checked

Incidence: Number of new positive flocks/Number of flocks checked

EPIDEMIOLOGICAL EVOLUTION BOVINES



Evolution of prevalence and incidence of Bovine Brucellosis in Cyprus

Prevalence: Number of positive herds/Number of herds checked

Incidence: Number of new positive herds/Number of herds checked

DATA ON INFECTION, OC

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

DATA ON INFECTION, BOVINES

| Year | Number of Herds Infected | | | | | Number of Animals Infected |
|------|--------------------------|--------------------------------|---------------|-------------|----------------------------------|----------------------------|
| | New Outbreaks | Infected Herds During the Year | Declared Free | Depopulated | Remaining at the End of the Year | |
| 2000 | 2 | 4 | 0 | 0 | 4 | 189 |
| 2001 | 11 | 15 | 3 | 1 | 11 | 233 |
| 2002 | 9 | 20 | 3 | 0 | 17 | 358 |
| 2003 | 8 | 25 | 14 | 1 | 10 | 164 |
| 2004 | 4 | 14 | 8 | 0 | 6 | 116 |
| 2005 | 3 | 9 | 3 | 0 | 6 | 114 |
| 2006 | 0 | 6 | 4 | 0 | 2 | 2 |
| 2007 | 0 | 2 | 2 | 0 | 0 | 0 |
| 2008 | 1 | 1 | 1 | 0 | 0 | 1 |

PROCEDURE FOR DECLARING BRUCELLOSIS OFFICIALLY FREE FLOCKS

A FLOCK IS DECLARED OFFICIALLY BRUCELLOSIS FREE WHEN:

- All the animals have been free from clinical or any other signs of Brucellosis (*B. melitensis*) for at least the last 12 months
- Two tests, within an interval of six months or more (maximum interval 12 months) have been carried out, with negative results, on all sheep and goats in the holding over 6 months of age at the time of testing
- Animals entering the holding come from a brucellosis free flock.

In case of sheep and goats over 6 months have reacted negatively to any approved test during the 30 days prior to or the 30 days after the date of their introduction into the holding

PROCEDURE FOR DECLARING BRUCELLOSIS OFFICIALLY FREE HERDS

A BOVINE HERD IS DECLARED OFFICIALLY BRUCELLOSIS FREE WHEN:

- All the animals have been free from clinical signs of brucellosis for at least six months**
- At least 30% of cows in lactation have been subjected to three tests on milk samples at three-monthly intervals followed at least six weeks later by Rose Bengal test at all animals over 12 months old, or In herds having less than 10 animals, all animals over 12 months old have been subjected to two serological tests at an interval of more than three months and less than 12 months**
- Any animal entering the herd comes from a brucellosis negative herd and in case of animals over 12 months have reacted negatively to any approved test during the 30 days prior to or the 30 days after the date of their introduction into the herd**

STATUS OF OC HOLDINGS - 2008

| Region | Status of flocks and animals under the programme | | | | | | | | | | | | | |
|-------------|--|---------|---------|---------|---------------------------------|---------|---------------------|---------|-----------------------------------|---------|--------|---------|-----------------|---------|
| | Total number of flocks and animals under the programme | | Unknown | | Not free or not officially free | | | | Free or officially free suspended | | Free | | Officially free | |
| | | | | | Last check positive | | Last check negative | | | | | | | |
| | Flocks | Animals | Flocks | Animals | Flocks | Animals | Flocks | Animals | Flocks | Animals | Flocks | Animals | Flocks | Animals |
| ALL REGIONS | 3,341 | 485,555 | 0 | 0 | 0 | 0 | 988 | 148,581 | 5 | 1,097 | - | - | 2,348 | 335,877 |

STATUS OF BOVINE HOLDINGS 2008

| Region ^(b) | Status of herds and animals under the programme ^(c) | | | | | | | | | | | |
|--------------------------|--|------------------------|------------------------|------------------------|------------------------------------|------------------------|------------------------------------|------------------------|--|------------------------|--------------------------------|------------------------|
| | Total number of herds and animals under the programme | | Unknown ^(d) | | Not free or not officially free | | | | Free or officially free suspended ^(g) | | Officially free ⁽ⁱ⁾ | |
| | | | | | Last check positive ^(e) | | Last check negative ^(f) | | | | | |
| | Herds | Animals ^(h) | Herds | Animals ^(h) | Herds | Animals ^(h) | Herds | Animals ^(h) | Herds | Animals ^(h) | Herds | Animals ^(h) |
| ALL REGIONS | 320 | 38,494 | 0 | 0 | 0 | 0 | 32 | 5,299 | 0 | 0 | 288 | 33,195 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| Total | 320 | 38,494 | 0 | 0 | 0 | 0 | 32 | 5,299 | 0 | 0 | 288 | 33,195 |
| Total – 1 ^(k) | 330 | 38,950 | 0 | 0 | 0 | 0 | 76 | 6,969 | 0 | 0 | 254 | 31,981 |