

# Implementation of Bovine Tuberculosis eradication programme in Portugal 2014

PAFF Standing Committee  
Brussels, 6 May 2015

# Bovine Tuberculosis Eradication Programme

## Characterization 2014

Approved by Decision 2013/722/UE

Legal basis: Directive 2008/73/CE, 15/7

Decreto-Lei 272/2000, 8/11

Regions	Number of herds	Number of animals
Norte	17 489	318 401
Centro	6 271	141 894
LVT	1 089	101 085
Alentejo	4 231	640 966
<b>TOTAL</b>	<b>29 080</b>	<b>1 202 346</b>

Algarve Region is officially tuberculosis-free in accordance with Commission Decision 2012/204/EU of 19 April 2012.



# Bovine Tuberculosis Eradication Programme

Strategy 2014

## Annual herd screening test - compared Intradermal tuberculin test

### Officially tuberculosis free herds:

According with the **% of infected herds in each county** recorded in the last **two years**, testing policy the following:




<b>% of infected herds at each of the last two years</b>	<b>Animals tested</b>
<b>&lt; 0,2%</b>	All bovine, males and females older than 24 months of age
<b>&gt; 0,2% and ≤ 1%</b>	All females older than 6 weeks of age
<b>&gt; 1%</b>	All bovine, males and females older than 6 weeks of age

**Infected herds:** all bovines older than 6 weeks of age

# Bovine Tuberculosis Eradication Programme

Strategy 2014

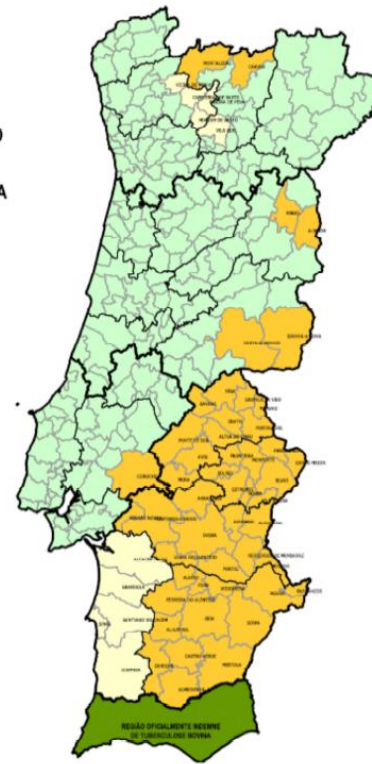
## Annual herd screening test - compared Intradermal tuberculin test

-  24 months
-  Females 6 weeks
-  6 weeks

Proposal for adjustments  
in the 2015 programme



PLANO DE ERRADICAÇÃO  
DA TUBERCULOSE BOVINA



0 30 60 90 120 150 180  
Kilometers

# Bovine Tuberculosis Eradication Programme

## Strategy 2014

### In positive herds:

- Movement restriction and slaughter of positive animals  
→ *Post mortem* sampling for histopathology and bacteriology
- Follow-up IDT tests / (interferon-gama assay)
- Epidemiological evaluation and identification of contact herds and possible sources of infection
- Decision on stamping out

Animal movement control and **pre-movement testing**

**Surveillance** in large game animals in risk areas

**Training** of IDT executor vets, and of sanitary inspectors

**Controls of the tuberculin test** in the field

# Bovine Tuberculosis Eradication Programme

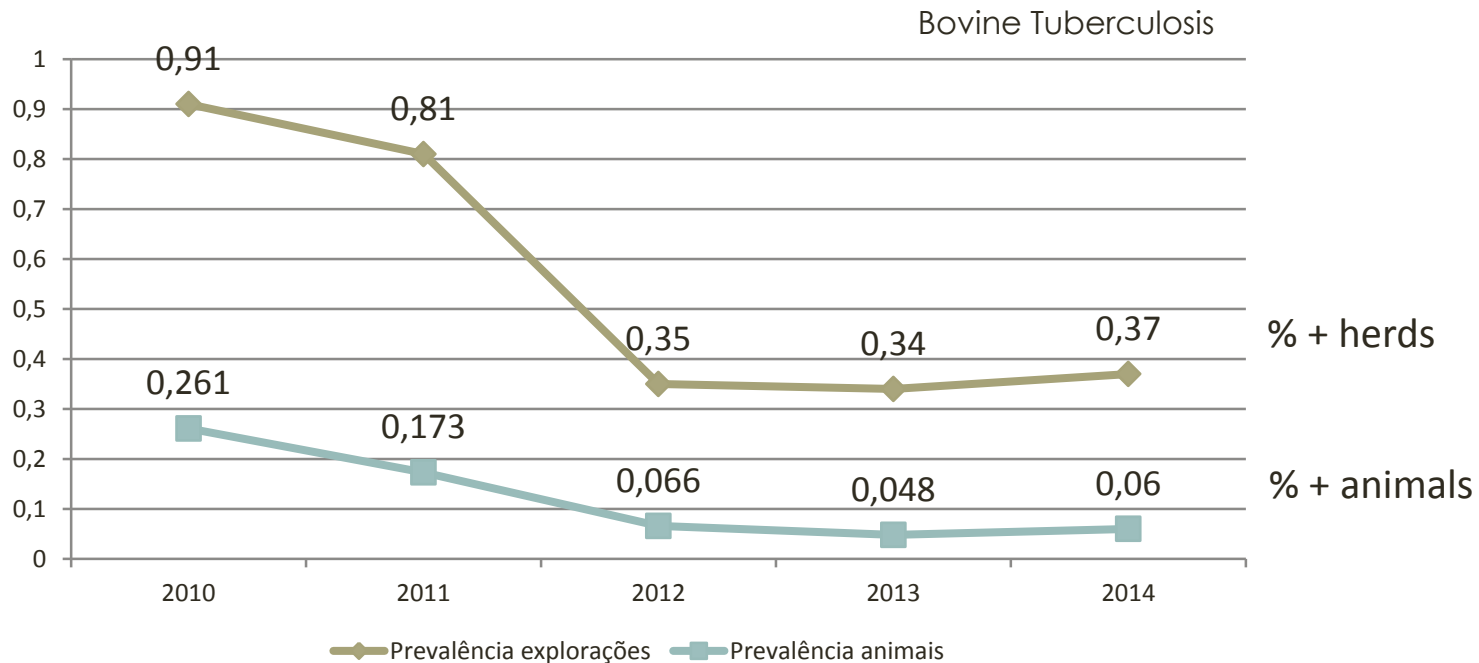
## Results 2014

	Nº positive herds	Nº new positive herds	% positive herds (2013)	% new positive herds (2013)
Norte	21	13	0.13 (0.20)	0.08 (0.19)
Centro	22	19	0.37 (0.35)	0.32 (0.27)
LVT	4	4	0.39 (0.29)	0.39 (0.19)
Alentejo	54	38	1.30 (0.94)	0.91 (0.58)
<b>TOTAL</b>	<b>101</b>	<b>76</b>	<b>0.37</b> <b>(0.35)</b>	<b>0.27</b> <b>(0.27)</b>

90% coverage of bovines under the programme, 1.200.000 controlled

# Bovine Tuberculosis Eradication Programme

Evolution of % positive and % positive animals



# Bovine Tuberculosis Eradication Programme

## Infection

**101 positive herds / 645 positive animals**

88 sampled for investigation  
of agent  
(mainly new positive herds)

With visible lesions – 13  
Found in abattoir – 33  
Histopathological tests – 217  
Bacteriologic tests – 204

**41 with isolation of *M. bovis***

**78 with isolation of *M. bovis***

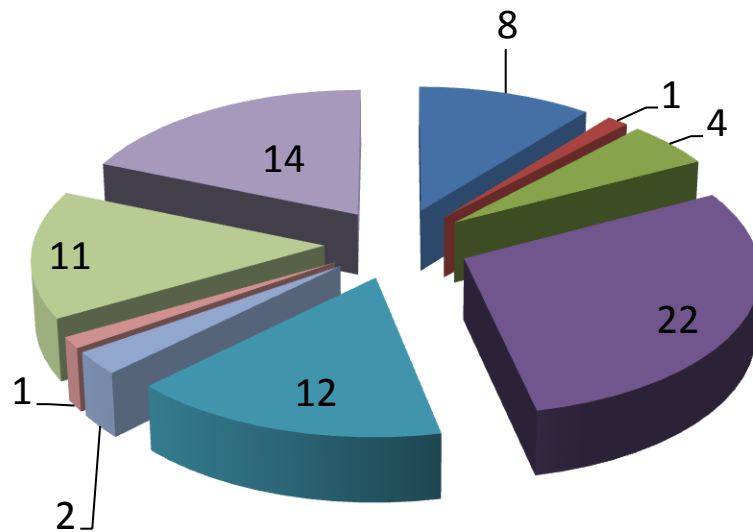


# Bovine Tuberculosis Eradication Programme

Results 2014

## Epidemiological investigations

- Results from infected herds (n=44)



- Direct contact with other holdings
- Intra herd infection
- Direct contact with goats
- Direct contact with game animals
- Introduction of animals from other holdings
- Detection through pre movement test
- Comum equipments
- Reinfection
- Unknown

# Bovine Tuberculosis Eradication Programme

## Evolution of pre-movement testing

Year	Herds	Animals
2010	9.251	70.176
2011	16.875	97.299
2012	14.900	73.953
2013	15.074	52.655
2014	14.604	51.490

# Bovine Tuberculosis surveillance in large game

Hunting season: October to March

## Deer

Deer		Histopathology			Bacteriology			
Sea- son	Hunted animals	Nº samples	Typical lesions	Other lesions	Nº samples	<i>M. avium</i>	<i>M. bovis</i>	Negative
13/14	3276	130	118	4	131	1	118	12
14/15	2222	97	93	1	103	1	86	6

4%

~90% confirmation

## Wild boars

WB		Histopathology			Bacteriology			
Sea- son	Hunted animals	Nº samples	Typical lesions	Other lesions	Nº samples	<i>M. avium</i>	<i>M. bovis</i>	Negative
13/14	2477	169	118	38	175	21	103	45
14/15	1871	134	95	22	147	4	102	36

5%

~68% confirmation

# Bovine Tuberculosis Eradication Programme

## Conclusion

Regions	Nº of T2 non indemne herds	Comments
Norte	28	Steady progress
Centro	9	Stable, areas with wildlife
LVT	2	Stable
Alentejo	34	Problems in certain areas with wildlife
<b>PT</b>	<b>73</b>	No progress



Thank you for your  
attention

