



# VACCINATION AGAINST SEROTYPE 4 OF BT VIRUS IN SPAIN

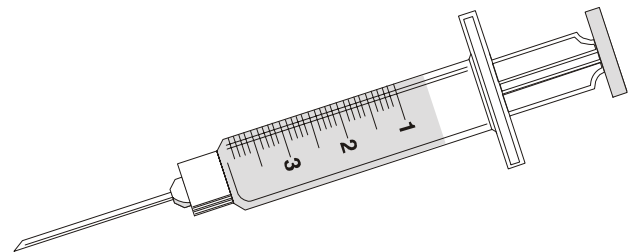
Brussels, 22 March 2007

Subdirectorato General for Animal Health  
Directorato General for Livestock



## BLUETONGUE VACCINATION PROGRAMME

- **OBJECTIVE:** vaccination of all the ruminant population (sheep and cattle) within the restricted zone so that:
  - the viral circulation diminishes (serotype 4)
  - neither clinical signs nor deaths in ovine
  - allowing movements to free zone
  - achieving the eradication of the disease





## RESTRICTED ZONE OF SPAIN





# BLUETONGUE VACCINATION PROGRAMME

## CENSUS OF SENSITIVE ANIMALS WITHIN THE RESTRICTED ZONE

<b>CC.AA</b>	<b>Cattle</b>	<b>Sheep</b>	<b>Total</b>
Andalucía	595.855	2.332.072	2.927.927
Castilla la Mancha	306.687	1.526.079	1.832.766
Castilla y León	299.410	226.084	525.494
Extremadura	773.069	4.000.000	4.773.069
Madrid	97.836	120.000	217.836
<b>TOTAL</b>	<b>2.072.857</b>	<b>8.204.235</b>	<b>10.277.092</b>



## BLUETONGUE VACCINATION PROGRAMME

### VACCINES USED

- ❑ 2005 and first semester of 2006; attenuated live vaccine (Onderstepoort – South Africa). Field trial with inactivated vaccine for bovine in 2005
- ❑ Since May 2006: inactivated vaccine

### INACTIVATED vs LIVE ATTENUATED

- ❑ It can be used not only in sheep, BUT ALSO in bovine
- ❑ It can be used along all the year
- ❑ Useful tool to facilitate animal movement (no viraemia)



## BLUETONGUE VACCINATION PROGRAMME

### INACTIVATED VACCINES AVAILABLE

- ❑ 20 million doses bought by M.A.P.A for 2007
- ❑ Foreseen to buy around 15 million doses for 2008
- ❑ 3 laboratories:
  - Merial: foreseen to be used for cattle
  - Syva and C.Z: foreseen to be used for sheep



## BLUETONGUE VACCINATION PROGRAMME

### NUMBER OF ANIMALS VACCINATED

**2005:** 43.497 bovines vaccinated with inactivated vaccine  
BTV-4 (Merial)

**2006:** 214.697 bovines vaccinated with inactivated vaccine  
BTV-4 (Merial)

Sheep: 2.585.660 animals vaccinated with inactivated  
vaccine (BTV-4) (SYVA)

**2007:** 2.072.857 bovines vaccinated with inactivated vaccine  
BTV-4 (Merial)

Sheep: 8.204.235 animals vaccinated with inactivated  
vaccine (BTV-4) (SYVA, Merial, CZ)

Most of the vaccinated animals moved to free zone were tested  
by PCR in destination with negative result.



## BLUETONGUE VACCINATION PROGRAMME

### PROPOSAL OF CONDITIONS TO MOVE LIVE ANIMALS FROM RESTRICTED TO FREE AREA USING INACTIVATED VACCINES

Vaccinated animals:

- **Animals previously vaccinated:** can be moved after re-vaccination
- **Animals not previously vaccinated:**
  - Movement allowed 70 days after vaccination
  - Movement allowed with RT-PCR negative test 25 days after vaccination



M.A.P.A.

Ministerio de Agricultura, Pesca y Alimentación

**THANK YOU FOR YOUR  
ATTENTION!**