



State Veterinary Administration of the Czech Republic

BLUETONGUE SITUATION IN THE CZECH REPUBLIC

VACCINATION

× **2008 – Emergency vaccination (BTV 8)**

Period: 20/8/2008 - 31/12/2008

Area: whole territory of the CR

Animals: all cattle, sheep and goats over 3 months of age

Vaccine: Zulvac 8 bovis and Zulvac 8 ovis

Vaccinated more than 90 % of animals.

VACCINATION

× **2009 – Preventive vaccination (BTV 8)**

Period: 13/3/2009 - 31/12/2009

Area: whole territory of the CR

Animals: all cattle, sheep and goats over 3 months of age

Vaccine: Zulvac 8 bovis and Zulvac 8 ovis

Vaccinated more than 90 % of animals.

× **2010 – Preventive vaccination (BTV 8)**

Period: 13/3/2010 - 31/12/2010

Area: whole territory of the CR

Animals: all cattle, sheep and goats over 3 months of age.

Vaccine: Zulvac 8 bovis, Zulvac 8 ovis and BioBos BTV 8

Vaccinated more than 90 % of animals.

× **2011 – Preventive vaccination (BTV 8)**

Period: 01/01/2011 - 28/04/2011 (vaccination ceased)

Area: whole territory of the CR

Animals: all cattle over 3 months of age

Vaccine: BioBos BTV 8

Vaccinated more than 50 % of animals.

BT SURVEILLANCE

× 2007 & 2008 – Serological monitoring of susceptible animals

Bovines				Sheep and goats			
ELISA		PCR		ELISA		PCR	
No. of samples	Positive	No. of samples	Positive	No. of samples	Positive	No. of samples	Positive
36 064	42	35	8	354	0	8	0

× 2008 – Serological monitoring of 50 sentinel animals (ELISA)

Period: from 01/09/2008 till 01/12/2008. The whole territory of the

Number of samples	Number of positive samples
5 837	2

inel animals

The 2 sentinel animals were found seropositive.

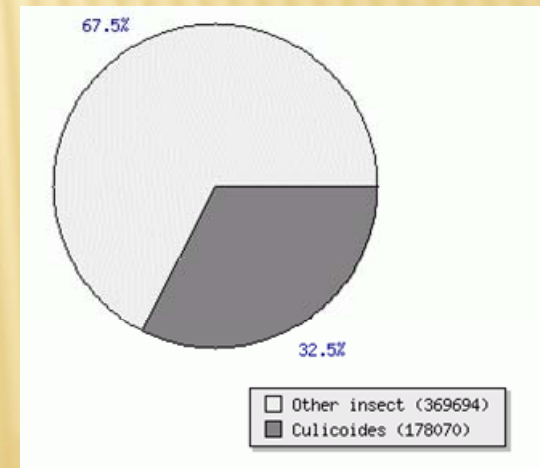
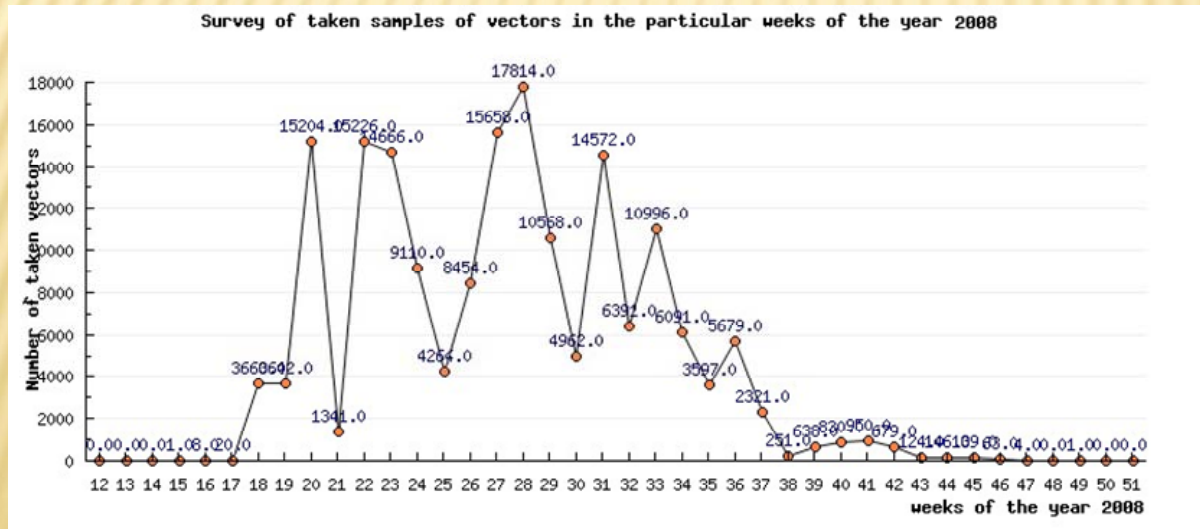
BT SURVEILLANCE

× 2008 – Entomological monitoring

Period: from 17/03/2008 till 01/12/2008.

- 22 traps. Since 1st September 33 traps for vectors catc

Number of samples	Number of positive samples (Culicoides
642	363



BT SURVEILLANCE

× 2009 – Serological monitoring (ELISA)

Period: from 01/04/2009 till 21/12/2009. The whole territory of the Czech Republic was divided into 33 grids. The 50 sentinel animals (bovine) were sampled in each grid per month.

Number of samples	Number of positive
15 070	4

The 4 sentinel animals were found seropositive.

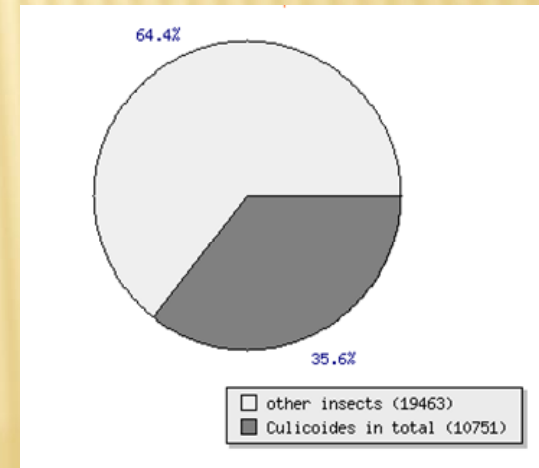
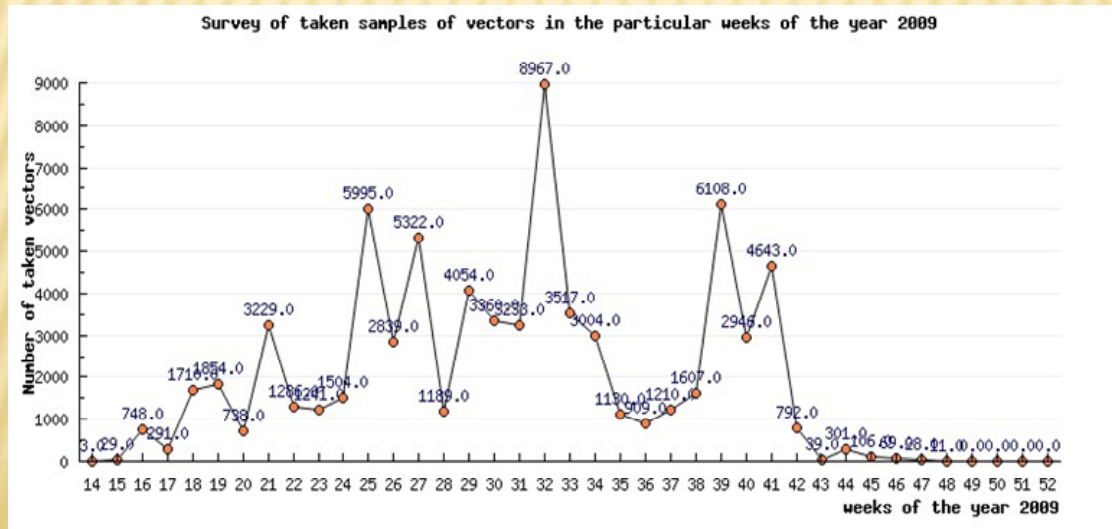
Confirmations by PCR tests were negative (outbreaks No. 11, 12, 13 and 14).

BT SURVEILLANCE

× 2009 – Entomological monitoring (33 traps)

Period: from 30/03/2009 till 21/12/2009.

Number of samples	Number of positive samples (Culicoides)
1 054	519



BT SURVEILLANCE

× 2010 – Virological monitoring (PCR)

Period: from 29/04/2010 till 29/12/2010. The whole territory of the Czech Republic was divided into 33 grids.

Sampling: (1 327 samples from 406 holdings)

- 5 Regions with BT positive cases recorded previously - 30 animals per month sampled during whole vector activity period.

- 9 Regions with none positive case recorded - 30 animals per month sampled during whole vector activity period.

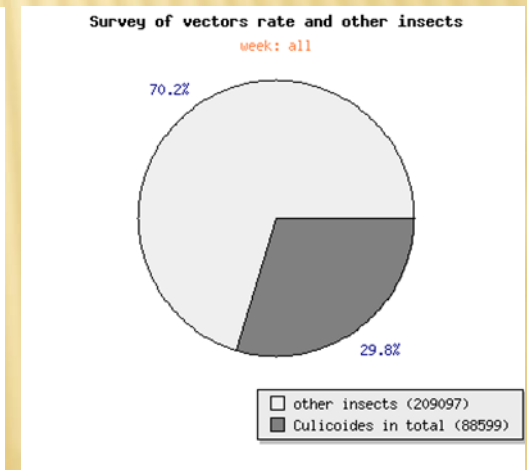
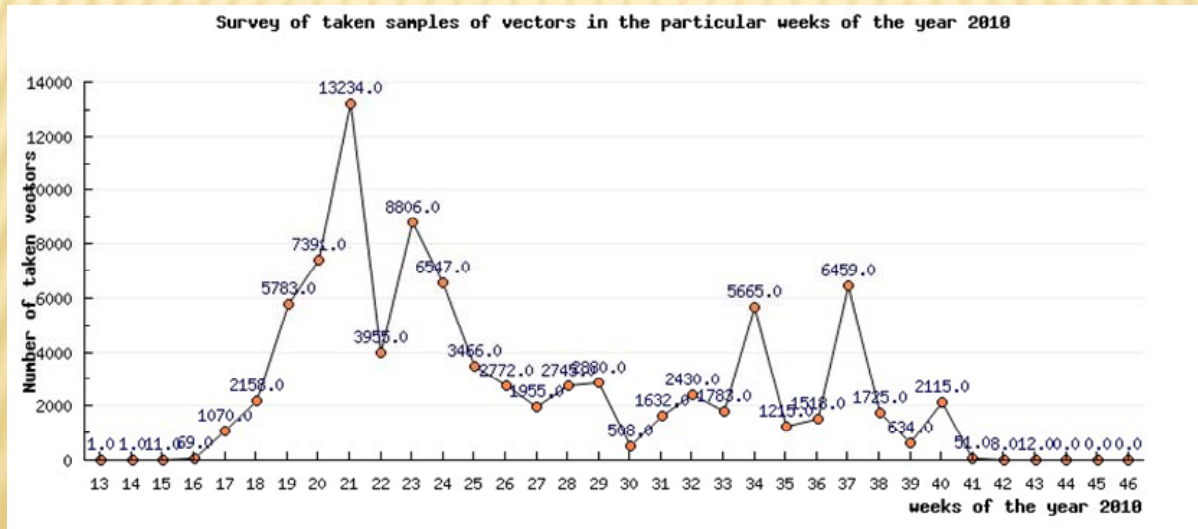
Bovine		Ovine	
No. of samples	No. of positive	No. of samples	No. of positive
979	0	348	0

BT SURVEILLANCE

✘ 2010 – Entomological monitoring (33 traps)

Period: from 29/04/2010 till 29/11/2010

Number of samples	Number of positive samples (Culicoides)
780	448



BT SURVEILLANCE

× 2011 – Virological monitoring (PCR)

Period: from 11/04/2011 still ongoing till the end of vector season.

Sampling: 123 samples of bovine and 25 samples of ovine animals per month during vector season for whole territory.

Virological monitoring 11/04/2011-31/07/2011

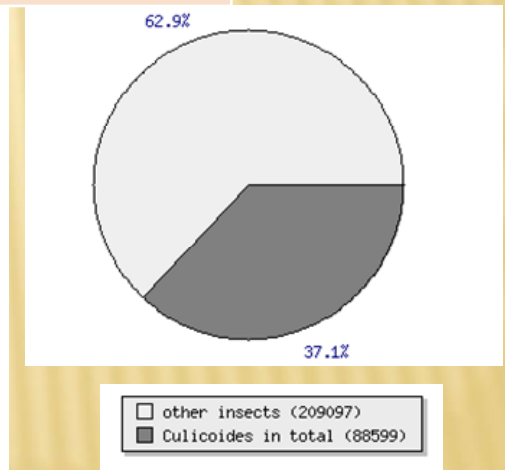
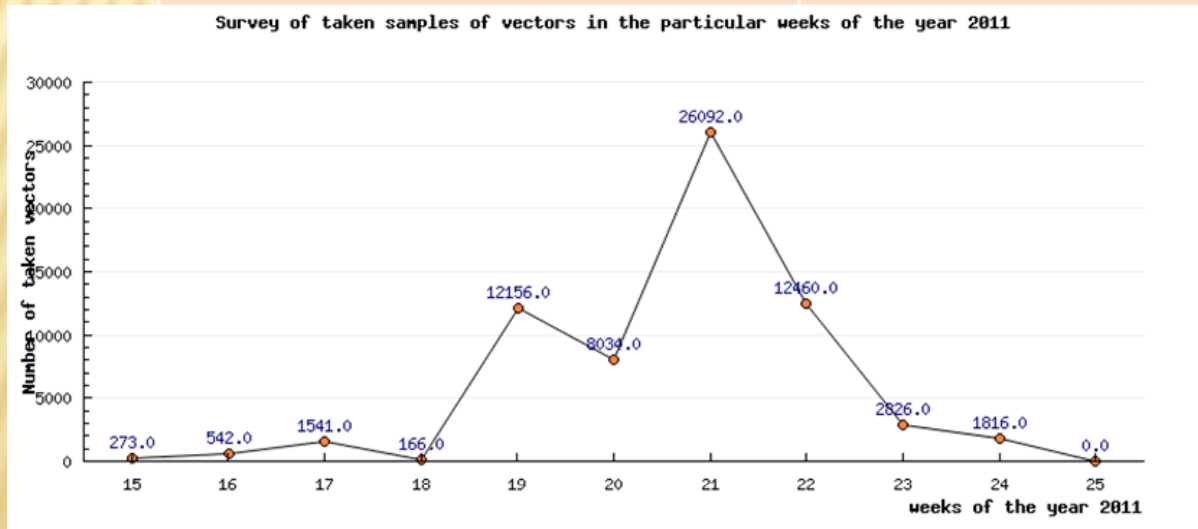
Bovine		Ovine	
No. of	No. of positive	No. of	No. of positive
482	0	100	0

BT SURVEILLANCE

✘ 2011 – Entomological monitoring (33 traps)

Period: from 29/04/2010 still in progress till the end of vector season

Number of samples	Number of positive samples (Culicoides)
383	270



SUMMARY

- ✘ Last outbreak of BT on 25th September 2009.
- ✘ Last virologically positive case on 31st October 2008.
Serological, respectively virological monitoring and entomological monitoring since 2007 and they are still ongoing till the end of vector season.



Thank you for your
attention ...