2013 Eradication Programme for Bovine Tuberculosis

CROATIA

Standing Committee on the Food Chain and Animal Health (SCFCAH)

May 2014
BOVINE POPULATION IN CROATIA

End of 2013:

Number of animals: 462 180
Number of herds: 35 707
MAIN MEASURES IN 2013

- Annual testing of all bovines from 6 weeks of age
- Mandatory premovement testing in the whole country
- Biannual pre-movement testing of animals before and after the common pasture season
- Goats kept for milk production in mixed herds (cattle and goats) are tested as well
MAIN MEASURES IN 2013

- Routine veterinary *post-mortem* slaughterhouse monitoring
- Movement restrictions of animals/herds - status suspension/withdrawn as per Directive
- Depopulation – decision of CVO, case by case
- Compensation for slaughtered animals
TEST INTERPRETATION:

- All animals with positive or inconclusive reactions are retested with comparative test.
- All animals not testing negative on the second test are sent to slaughterhouse.
- In herds where infection was previously bacteriologically confirmed all animals not testing negative on the first test are sent to slaughterhouse.

Samples from positive reactors are sent to Croatian Veterinary Institute – Zagreb for further laboratory examination and identification of the agent.
RESULTS IN 2013

Animals / herds tested (whole year)

- Animals tested: 464,439 (100.203%)
  - Herds tested: 33,994 (95.203%)

Positive reactors (whole year)

- Animals: 103 (0.022%)
  - Herds: 53 (0.14%)
Positive herds and positive reactors 2010-2013

- 2010: Positive herds 308, Positive reactors 124
- 2011: Positive herds 330, Positive reactors 175
- 2012: Positive herds 197, Positive reactors 107
- 2013: Positive herds 103, Positive reactors 53
Positive herds and positive reactors 2010-2013

<table>
<thead>
<tr>
<th></th>
<th>Animal prevalence</th>
<th>Herd prevalence</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010</td>
<td>0.066</td>
<td>0.303</td>
</tr>
<tr>
<td>2011</td>
<td>0.066</td>
<td>0.436</td>
</tr>
<tr>
<td>2012</td>
<td>0.040</td>
<td>0.283</td>
</tr>
<tr>
<td>2013</td>
<td>0.022</td>
<td>0.148</td>
</tr>
</tbody>
</table>
RESULTS IN 2013

Confirmed case of BTB
(isolation of M.tuberculosis complex)
- Animals: 11 (0.002%)
  - Herds: 6 (0.016%)

- 3 cases fattening herds (imported animals)
- All 11 animals - Mycobacterium caprae
- 3 cases – suspicion raised during routine post mortem veterinary slaughterhouse monitoring
Herds/animals with isolated *M. tuberculosis* complex (2010 – 2013)

- **2010**: M.caprae (60); M.bovis (33), M.tuberculosis (1)
- **2011**: M.caprae (17), M.bovis (12)
- **2012**: M.caprae (5)
- **2013**: M.caprae (11)
Positive reactors - number of herds
confirmed infection – number of animals
WILDLIFE MONITORING IN 2013

- Wildlife monitoring in Sisak moslavina and Zagrebačka county (counties with the majority of positive reactors) – TB Task Force recommendation
- Sampling of wild boars in 7 hunting associations
- Sampling was done by authorised veterinarians
110 wild boars were sampled in Sisak Moslavina and Zagrebačka county

- 73 negative
- 30 Mycobacterium sp.
- 2 Mycobacterium celatum
- 2 Mycobacterium fortuitum
- 1 Mycobacterium avium
- 1 Mycobacterium vaccae
- 1 Mycobacterium intermedium

*Mycobacterium tuberculosis* complex was not isolated!

In 2014 – monitoring of roe deer (*Capreolus capreolus*)
OTF HERDS

- End of 2013
  - 96.96%

- May 2014
  - 99.025%

- 2014 is expected to be the first year with 99.9% of OTF herds for most regions in Croatia
# Regionalisation (Health Statuses)

## Eastern Region
- Osijek - Baranja
- Vukovar - Srijem
- Pozega - Slavonia
- Sl. Brod – Posavina
- Virovitica - Podravina

## Northern Region
- Koprivnica - Krizevci
- Bjelovar - Bilogora
- Varazdin
- Medimurje

## Central Region
- Zagreb
- Karlovac
- Sisak - Moslavina
- Krapina - Zagorje
- City of Zagreb

## Western Region
- Istra
- Primorje – Gorski Kotar
- Lika - Senj

## Southern Region
- Zadar
- Sibenik - Knin
- Split - Dalmatia
- Dubrovnik - Neretva
<table>
<thead>
<tr>
<th>REGION</th>
<th>officially free (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eastern Region</td>
<td>99,6</td>
</tr>
<tr>
<td>Northern Region</td>
<td>99,7</td>
</tr>
<tr>
<td>Central Region</td>
<td>99,3</td>
</tr>
<tr>
<td>Western Region</td>
<td>98,9</td>
</tr>
<tr>
<td>Southern Region</td>
<td>93,8</td>
</tr>
</tbody>
</table>

**OVERAL – CROATIA:** 99,0 %
Thank you for your attention!