Situation on LSD in Croatia in 2017. and future perspectives

Marijan Glavina, dr.med.vet.
Senior veterinary inspector - specialist

Meeting of the EFSA Working Group on data collection for lumpy skin disease, 18th October 2017., Budva, Montenegro
Farm/cattle numbers

<table>
<thead>
<tr>
<th>Year</th>
<th>Number of farms</th>
<th>Number of cattle</th>
</tr>
</thead>
<tbody>
<tr>
<td>01.01.2017.</td>
<td>27.904</td>
<td>418.248</td>
</tr>
<tr>
<td>Number of vaccinated farms</td>
<td>Number of vaccinated cattle</td>
<td></td>
</tr>
<tr>
<td>01.01.-31.12.2016.</td>
<td>28.687</td>
<td>432.570</td>
</tr>
</tbody>
</table>
### Export/import data

<table>
<thead>
<tr>
<th>Year</th>
<th>Number of cattle entered in Croatia from another EU Member States</th>
<th>Number of cattle exported from Croatia</th>
</tr>
</thead>
<tbody>
<tr>
<td>2015.</td>
<td>101.750</td>
<td>26.817</td>
</tr>
<tr>
<td>2016.</td>
<td>98.958</td>
<td>38.605</td>
</tr>
<tr>
<td>I-IX 2017.</td>
<td>75.604</td>
<td>22.611</td>
</tr>
</tbody>
</table>
Distribution of cattle farms on territory of Croatia
Distribution of cattle (density of cattle population) on territory of Croatia (county level)
Distribution of cattle (density) on territory of Croatia (municipality level)

- Changes based on risk analysis
- Epidemiological situation in SE Europe
- Results of analysis of side effects of vaccination in 2016.
Vaccination strategy in 2017. (2)

- Ordinance (Official gazette 05/2017 from 11th January)

(1) All cattle must be vaccinated in period between 1st May and 31st July
(2) Newborn calves from cows vaccinated 28 or more days before calving are considered to be immune until the 4 month of age and must be vaccinated after that period. Newborn calves from cows vaccinated in period shorter than 28 days before calving, must be vaccinated in age of 15 to 21 days.
(3) All unvaccinated cattle entered from another MS or imported from third countries, must be vaccinated in period between 15 and 60 days after entering in Croatia.
Vaccination strategy in 2017. (3)

- **Official recommendations (April 2017.) – Amendments of Ordinance (OG 41/17)**

- Priority must be vaccination of non-immune animals (newborn, imported)

- Immune animals should be vaccinated in period less than 12 month after first vaccination

- Campaign must be finished until 30th November – all cattle must be vaccinated
Vaccination strategy in 2017. (4)

- **Main changes comparing with 2016. campaign**
- Postponed vaccination – cows/heifers in period from 7 month of gestation to 1 month after calving should be vaccinated after that period (period between vaccination and revaccination should not be longer than 12 months)
- Entered/imported unvaccinated animals should be vaccinated in period between 15 and 60 days after entering/import
- Reimbursement for treatment of side effects occurred within 14 days after vaccination
Vaccination strategy in 2017. - vaccine (4)

2016.

Lumpy skin disease (OBP) – 50,000 doses

Lumpyvax – 398,000 doses

2017.

Lumpy skin disease (OBP) – 600,000 doses
Vaccination strategy in 2017. (5)

- Organisation and recording

- Performing of vaccination – authorised veterinary organisations only

- Efficient and up to date database

- Recording of all vaccinated animals, postponing of vaccination

- All data regarding vaccination available at any time to competent authority
Vaccination strategy in 2017. (6)

- Campaign flow

- Revaccination mainly started in July
- Until 10th October 360.000 animals vaccinated (86%)
- Adverse effects – less common
Programme for the control of LSD in Croatia for 2018th

Aim of the Programme in 2018

- to stop the vaccination
- to regain status of free country
Programme for the control of LSD in Croatia for 2018th (2)

Surveillance to be conducted in 2018

- measures for early detection of disease in high risk areas

- control of immunity

Meeting of the EFSA Working Group on data collection for lumpy skin disease, 18th October 2017., Budva, Montenegro
18 holdings in 6 areas – from 11-20 th June

18 holdings in 5 areas – from 11-20 th June

54 holdings QPCR testing – from June to October

400 animals randomly selected to check the level of immunity
Meeting of the EFSA Working Group on data collection for lumpy skin disease, 18th October 2017, Budva, Montenegro

Programme for the control of LSD in Croatia for 2018

Yearly replacement rate 51%

100,000 entered animals

120,000 newborn animals

1st June – 110,000 new animals (25%) – non immune 50,000 (11.7%)
Thank you for your attention