African swine fever in Latvia

Dr. Edvīns Oļševskis
Director of Veterinary Surveillance Department
Food and Veterinary Service

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The first case in wild boar:

• On 25th June, 2014 - **three wild boars** (one sow and two piglets) were found dead on the border with Belarus (by the river), in the **Kepova parish, Dagda county**
  • Reported by border-guards
  • On 25th June samples were taken and sent to NRL. Wild boar cadavers 1-3 years old
  • Cadavers were destroyed by burning at the site
• **On the 26th June NRL confirmed first ASF cases in 3 wild boars** (RT-PCR)
  • Measures according to Article 15 of the Council Directive 2002/60/EC were initiated
  • Possible date of the infection: 10-15 June
The first outbreak in backyard pig farm
(3 pigs)

On 25 June farmer notified local FVS inspector on clinical signs in two pigs. Blood samples were taken and sent to NRL.

On 26 of June NRL confirmed 3 (three) primary cases of ASF in domestic pigs in Latvia, Kraslavas county, Robeznieku parish - one backyard farm.

Protection and surveillance zones around the infected holding were immediately established by orders of CVO No. 93., 94., on 26 June and measures according to Council Directive 2002/60/EC were initiated.

Possible source of the infection - illegal swill feeding (infected products)
Location of first ASF outbreaks

ASF outbreak in backyard.
ASF cases in wild boar
ASF Protection zone
ASF Surveillance zone.
Territories restricted by the Decision 2014/178/EU
(3 July, 2014)
ASF in Valka region (Nord)

• On the 16 July notification on suspects in dead wild boar
• On the 17 July suspects in pig farm (58 pigs)

Location: Valka novads Ėrģeme pagasts (about 250 km from previous outbreaks close to Belarus border)

• Confirmation of both ASF – 18 July
Protection and surveillance zones around the infected holding were immediately established, measures according to Council Directive 2002/60/EC were initiated

Possible source of infection in pig farm – feeding of grass damaged by wild boar

Possible source of wild boar infection: illegal ABP disposal by slaughterhouse in a forest. Possible movement of wild boar from East bordering areas before it was confirmed in 26 July. File is given to State police for further investigation.
Territories restricted by the Decision 2014/178/EU (6 August, 2014)

Part I: 26/6 - 5/8: 20 outbreaks

Part II: 18/7 - 6/8: 4 outbreaks

Part III: Outbreaks in domestic pigs

[Map showing restricted territories]
Location of 4 ASF affected pig farms in Valka region

Farms belonged to brothers with daily contacts

Four outbreaks are epidemiologically linked
On the 5 August notification on dead wild boar (4 authorized animals) found in a field of rye

Confirmation of ASF on 7 August

Location: Madona novads Ľaudona pagasts – about 150 km from Belarus border

Possible time of infection: ~ 20 July

Possible source of infection - unclear
Location of ASF in pigs and wild boar (20/08/2014)

- Cases in wild boar
- Outbreaks in domestic pigs
## Chronology of ASF cases in Latvia
### (26 June – 20 August 2014)

<table>
<thead>
<tr>
<th>Week, 2014</th>
<th>Latgale region (South-East)</th>
<th>Vidzeme region (Nord)</th>
<th>Madona county</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Outbreaks in domestic pigs</td>
<td>Cases in wild boar</td>
<td>Outbreaks in domestic pigs</td>
</tr>
<tr>
<td>23/06-29/06</td>
<td>1</td>
<td>7</td>
<td>0</td>
</tr>
<tr>
<td>30/06-6/07</td>
<td>1</td>
<td>9</td>
<td>0</td>
</tr>
<tr>
<td>7/07-13/07</td>
<td>3</td>
<td>6</td>
<td>0</td>
</tr>
<tr>
<td>14/07-20/07</td>
<td>5</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>21/07-27/07</td>
<td>2</td>
<td>5</td>
<td>1</td>
</tr>
<tr>
<td>28/07-3/08</td>
<td>8</td>
<td>10</td>
<td>2</td>
</tr>
<tr>
<td>4/08-10/8</td>
<td>2</td>
<td>5</td>
<td>1</td>
</tr>
<tr>
<td>11/08-17/08</td>
<td>0</td>
<td>4</td>
<td>1</td>
</tr>
<tr>
<td>18/08-24/08</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>In total</strong></td>
<td><strong>22</strong></td>
<td><strong>48</strong></td>
<td><strong>6</strong></td>
</tr>
</tbody>
</table>

**In total:** outbreaks in domestic pigs – 28
cases in wild boars – 61
Results of the epidemiological investigation

• Most of pig farms affected are not epidemiologically linked with other farms (except 4 in Valka region and 2 in Latgale region)

• The main sources of virus introduction in farm:
  – Illegal swill feeding
  – Poor biosecurity
  – Very often grass feeding
  – Sometimes visits to Belarus
  – Rarely contact with wild boar
ASF control: Additional National measures

• State emergency situation in large territory:
  – More legal power to CVO
  – Additional resources for ASF control
  – Strict biosecurity requirements for all pig farmers; if those are not implemented within two weeks, all pigs must be slaughtered under official control within 30 days with prohibition to keep pigs at least one year
  – Compensations for pigs slaughtered
  – All domestic slaughters under supervision of authorized vets
  – Additional rules for hunters / hunting and Forest Service
  – Involvement of municipalities, Police, other institutions

• Comprehensive public education / awareness campaigns
ASF surveillance in Latvia

• Passive surveillance
  - 90% of suspects in pigs were notified by farmers
  - in 14 cases of suspects ASF has not been confirmed

• The number of laboratory tests performed (25 June – 18 August)

<table>
<thead>
<tr>
<th></th>
<th>PCR</th>
<th>ELISA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Domestic pigs</td>
<td>2 753</td>
<td>2 637</td>
</tr>
<tr>
<td>Wild boar</td>
<td>1 879</td>
<td>1 830</td>
</tr>
<tr>
<td>TOTAL</td>
<td>4 632</td>
<td>4 467</td>
</tr>
</tbody>
</table>
Amount of meat/milk products taken out on the border with RU and BY (since the beginning of 2014)

Summary: Meat and meat products: 21,033.81 kg
milk and milk products: 12,756.26 kg
Dealing with dead wild boar
ASF restricted areas (LV proposal)
African Swine Fever in Latvia

Next steps

1. Implementation of strict biosecurity rules, decrease the number of pig farms with low biosecurity

2. Intensified hunting and ban for feeding wild boar during winter – with the aim to decrease wild boar population

3. Establishing separate ABP (porcine origin) collection and disposal system in the ASF restricted areas

4. Continuation of passive and active surveillance
Thank you for your attention