African swine fever
in wild boars
Czech Republic

First occurrence of ASF virus in wild board in the Czech Republic


Location of finding: Příluky u Zlína, GPS 49°13′44.303″N, 17°42′1.996″E
Demarcation of the infected area

In accordance with the Council Directive 2002/60/EC the whole District Zlín has been declared as an infected area (1 034 km$^2$), 37 municipalities, 89 hunting grounds.
Current situation (15. 9. 2017)

In total **101** cases of African swine fever in wild boar population

**No outbreak in population of domestic pigs**

All cases confirmed in the NRL in the SVI Jihlava

All cases are from Region Zlín, District Zlín:

- Hvozdná: 32 cases
- Klečůvka: 11 cases
- Kostelec u Zlína: 7 cases
- Lužkovice: 40 cases
- Ostrata: 1 case
- Příluky: 8 cases
- Želechovice: 2 cases
Distribution of positive findings in months

June 2017

July 2017

August 2017

September 2017 (18. 9. 2017)
Findings of dead found wild boars – daily incidence

- numbers of dead found wild boars (in total 201)
- numbers of ASF positive wild boars (in total 101)
Findings of dead wild boars – cumulative incidence

- Numbers of dead found wild boars (in total 201)
- Numbers of ASF positive wild boars (in total 101)
Findings of dead wild boars - weekly incidence

- Numbers of dead found wild boars (in total 201)
- Numbers of ASF positive wild boars (in total 101)
Veterinary measures have been taken in accordance with the Council Directive 2002/60/EC:

— Infected area has been defined (on 27.6.2017)

— Veterinary measures have been established, including ban of hunting and a ban on feeding wild boars (on 27.6.2017)

— Investigation of the epidemiological situation is carried out in the whole defined infected area (start on 27.6.2017), including an inspection of the surrounding site of the place of finding of the wild boars positively tested on ASF

— The official list of all categories of domestic pigs in all holdings was ordered (on 27.6.2017)

— Expert group (NDCC) has been established (on 28.6.2017); the first meeting with the participation of the EU expert Vittorio Guberti (from CVET) (on 30. 6. 2017)

— Veterinary measures have been taken in pig holdings in the defined infected area in accordance with Article 15 (2) (b)

— The area with intensive hunting has been determined around the infected area (on 13. 7. 2017)

— The high-risk zone for ASF has been defined in the infected area (on 18. 7. 2017)

— The low-risk zone for ASF has been defined in the infected area (on 21. 7. 2017)
Map of the Czech Republic with the infected area (red) and the area with intensive hunting (yellow)
Measures taken

1. Measures in the infected area in domestic pigs
2. Measures in the infected area in wild boars
   - in the high-risk zone
   - in the low-risk zone
3. Measures in the area with intensive hunting
4. Measures on the whole territory of the Czech Republic
Measures in the infected area in domestic pigs

1. Official checks in domestic pig farms
2. Monitoring of all sick or dead pigs
3. A list of pig farms in the infected area including backyard farms
4. Movement control
5. Ban of feeding with fresh grass
6. Ban of straw using
7. Testing of pigs from big farms (5 farms, 150 blood samples) with negative result (total number of pigs farm: 23, total pigs: 16 301)
8. Measures of biosecurity in backyard farm (pigs for home slaughter)
Density of domestic pigs in the Czech Republic (per 100 km²)

CZ
- 2,160 farms, 1,353,935 pigs

Region of Zlín
- 83 farms, 74,088 pigs

Infected area (District Zlín)
- 23 farms, 16,301 pigs
Map of the high-risk zone with locations of positive and negative tested dead found wild boars to 15. 9. 2017
Measures in the infected area in the high-risk zone in wild boars

1. Passive surveillance in dead wild boars
2. **Payment is 4000 CZK (153 EUR)** for one dead found wild boar
3. Inspection by official veterinarian of every dead wild boar
4. Ban of hunting
5. Ban of feeding
6. **Smell and electric fences** around the high-risk zone
7. **Sampling of all dead found wild boars** and testing in the NRL
8. Disposal of all dead found wild boars under official supervision in accordance with Regulation (EC) No 1069/2009
9. Epidemiological investigation in case of all dead wild boars
10. The ban on entering to the high-risk zone
Map of the high-risk zone with the location of the smell fences and electric fences
Smell fence installed around the high-risk zone

Luděk Ovesný, MAFRA
Electric fence installed around the high-risk zone

http://www.africkymorprasat.cz
Setting up high and low risk zone in the framework of infected zone in relation to wild boar hunting

Hunting

Home range – 100% one year
High and low risk zone for hunting rules
Measures in the infected area in the low-risk zone in wild boars

1. **Pasive surveillance** in dead wild boars
2. **Payment 3000 CZK (115 EUR)** for one dead found wild boar
3. Inspection by official veterinarian of every dead wild boars
4. **Hunting** of wild boars has been allowed in this zone since 2nd August 2017
5. Hunting can be carried out only by authorised and trained hunters
6. The training courses for hunters are organized by the Regional Veterinary Administration (total number of trained hunters: 1 015 to date)
7. **Hunters receive a payment of 3000 CZK (115 EUR) for a hunted wild boar**
8. All dead found and hunted wild boars are tested for ASF in the NRL, all of them have been with negative result (494 wild boars as of 15. 9. 2017)
9. **Disposal of all dead found and hunted wild boars**
Hunted wild boars in the low-risk zone within the period 2nd August – 15th September

The total number **494**

All hunted wild boars are tested for ASF (virologically and serologically) in the NRL. All of them have been negative.
Disposal of hunted wild boars from infected area
Trapping of wild boar

Trapping (plan to use 31 in high risk zone)
Measures in the area with intensive hunting

1. The hunting of wild boars is supported by payment for each hunted wild boars in this area
2. Hunters receive a payment of 1000 CZK (40 €) for a hunted wild boar
3. In the area with intensive hunting till now in total 3 607 wild boars were hunted
4. All hunted wild boars in this area are tested for ASF
5. No sample has been positive yet
Results of testing of hunted wild boars in area with intensive hunting to 15. 9. 2017

The total number of wild boars hunted: 3 607
All with negative result for ASF
Overview of results of virology testing of samples taken from hunted wild boars in the area with an intensive hunting (15 September 2017)

<table>
<thead>
<tr>
<th>Region</th>
<th>District</th>
<th>No of tested hunted wild boars</th>
<th>No of positive result</th>
<th>Testing is not possible</th>
</tr>
</thead>
<tbody>
<tr>
<td>Region Pardubice</td>
<td>Ústí nad Orlicí</td>
<td>1</td>
<td>0</td>
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</tr>
<tr>
<td>South Moravian Region</td>
<td>Brno-město</td>
<td>4</td>
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</tr>
<tr>
<td>South Moravian Region</td>
<td>Brno-venkov</td>
<td>24</td>
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<tr>
<td>South Moravian Region</td>
<td>Břeclav</td>
<td>128</td>
<td>0</td>
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<tr>
<td>South Moravian Region</td>
<td>Hodonín</td>
<td>463</td>
<td>0</td>
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</tr>
<tr>
<td>South Moravian Region</td>
<td>Vyškov</td>
<td>237</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>South Moravian Region</td>
<td>Znojmo</td>
<td>2</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Region Olomouc</td>
<td>Olomouc</td>
<td>44</td>
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<td></td>
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<tr>
<td>Region Olomouc</td>
<td>Prostějov</td>
<td>7</td>
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<tr>
<td>Region Olomouc</td>
<td>Přerov</td>
<td>223</td>
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<tr>
<td>Region Olomouc</td>
<td>Šumperk</td>
<td>5</td>
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<td></td>
</tr>
<tr>
<td>Region Olomouc</td>
<td>Kroměříž</td>
<td>776</td>
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<td></td>
</tr>
<tr>
<td>Region Zlín</td>
<td>Uherské Hradiště</td>
<td>748</td>
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</tr>
<tr>
<td>Region Zlín</td>
<td>Vsetín</td>
<td>510</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>Moravian-Silesian Region</td>
<td>Frýdek-Místek</td>
<td>291</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Moravian-Silesian Region</td>
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<td>19</td>
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<td></td>
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<tr>
<td>Moravian-Silesian Region</td>
<td>Nový Jičín</td>
<td>92</td>
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<td></td>
</tr>
<tr>
<td>Moravian-Silesian Region</td>
<td>Ostrava-město</td>
<td>33</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>In total</td>
<td></td>
<td>3607</td>
<td>0</td>
<td>2</td>
</tr>
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</table>
Measures on the whole territory of the Czech Republic

1. **Information** for public, pig farmers, hunters, veterinarians etc.
   - Official letters
   - Daily SVA web site updates
   - Biosecurity guide for farmers
   - List of disinfectants
   - Guide for dead WB finding

2. Established an expert group (NDCC) including veterinarians, hunters, wild life biologists and epidemiologists with expert from the CVET participation
   - Clarifying of the situation
   - Request for data for the preparation of the eradication plan
   - Studying the epidemiological situation and implementation of the measures

3. Ban of feeding of domestic pigs with kitchen and catering waste was emphasized

4. **A surveillance programme and preventive measures have been applied at holdings with domestic pigs.** Sick or dead pigs, for which ASF cannot be excluded on clinical grounds, have been tested for ASF in accordance with the provisions set up in the Diagnostic Manual

5. **The passive surveillance of dead found wild boars continues**
CZ Results of the monitoring of dead wild boars from 1 January to 15 September 2017

<table>
<thead>
<tr>
<th>Region</th>
<th>Number of tested animals</th>
<th>Number of positive animals</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prague, the Capital</td>
<td>3</td>
<td>0</td>
</tr>
<tr>
<td>Central Bohemian Region</td>
<td>57</td>
<td>0</td>
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<tr>
<td>South Bohemian Region</td>
<td>56</td>
<td>0</td>
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<tr>
<td>Region Pilsen</td>
<td>70</td>
<td>0</td>
</tr>
<tr>
<td>Region Karlovy Vary</td>
<td>43</td>
<td>0</td>
</tr>
<tr>
<td>Region Ústí nad Labem</td>
<td>102</td>
<td>0</td>
</tr>
<tr>
<td>Region Liberec</td>
<td>29</td>
<td>0</td>
</tr>
<tr>
<td>Region Hradec Králové</td>
<td>15</td>
<td>0</td>
</tr>
<tr>
<td>Region Pardubice</td>
<td>39</td>
<td>0</td>
</tr>
<tr>
<td>Region Vysočina</td>
<td>60</td>
<td>0</td>
</tr>
<tr>
<td>South Moravian Region</td>
<td>107</td>
<td>0</td>
</tr>
<tr>
<td>Region Olomouc</td>
<td>45</td>
<td>0</td>
</tr>
<tr>
<td>Region Zlín</td>
<td>201</td>
<td>101</td>
</tr>
<tr>
<td>Moravian-Silesian Region</td>
<td>28</td>
<td>0</td>
</tr>
<tr>
<td>In total</td>
<td>855</td>
<td>101</td>
</tr>
</tbody>
</table>
Summary

— Isolated occurrence on a very small territory 56 km² over a long period
— Incidence is decreasing
— No spreading to other territory
— Intensive hunting and surveillance in neighbouring regions, including serological testing is ongoing
— No positive serological test yet
— No case in domestic pigs
Probably source of infection: contaminated food bring by the Ukraine workers in laundry in Hospital.

In Russia bacon is called “SALO” and people eat it raw, less meat and more fat is better. The raw bacon is keep in the fridge. It is usually raw with spicy or smoked.
Thank you for your attention.