



**MINISTÈRE
DE L'AGRICULTURE
ET DE L'ALIMENTATION**

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DETECTION AND ERADICATION OF AUJESZKY'S DISEASE IN TWO SUIDAE FARMS LOCATED IN THE FRANCE DEPARTMENTS OF ALLIER (03) AND HAUTES-ALPES (05)

SCoPAFF
June 2021

First outbreak - Department of Allier (03)

- Locality of Vieure
- Establishment holding wild boars : 32 breeding animals (sows and boars) and 36 young wild boars
- Serological suspicion of Aujeszky's disease via the annual prophylaxis campaign
- Outbreak confirmed by NLR the 24 mars 2021
- No clinical sign



First outbreak - Department of Allier (03)

- Epidemiological survey :
 - no downstream or upstream epidemiologic link
 - no suidae farms within a 5 km radius of the outbreak
- Biosecurity in the outbreak-farm: unsatisfactory (standardization being finalized upon discovery of the outbreak)

=> Main hypothesis : infection via wild boar

Second outbreak - Department of Hautes-Alpes (05)

- Locality of Furmeyer
- Small outdoor production of breeder/fattener pigs :
27 adults and 14 piglets
- Serological suspicion of Aujeszky's disease via
the annual prophylaxis campaign
- Outbreak confirmed the 6 april 2021 by departemental
analysis laboratory of the department of Ain
- No clinical sign



Epidemiological survey :

- Not related to the first outbreak
- no downstream epidemiologic link
- 1 upstream epidemiologic link => favorable investigation (clinical and serological)
- 3 suidae farms within a 5 km radius of the outbreak => favorable investigations (clinical and serological)

Biosecurity in the outbreak-farm: standards (standardization finalized since november 2019)

⇒ **Main hypothesis for explain the infection:**

- **Via wild boar**
- **Via old introduction of pigs**
- **Via human introduction**
- **Airborne?**

Measures taken in the outbreak-farms

Measures taken in the outbreak-farms :

- Ban on swine movements
- Stamping out (end in the first outbreak: 13/04/2021; in the second outbreak: 15/04/2021)
- After the end of the stamping out, before the repopulation :
- Cleaning / disinfection (in progress)
- Strengthening of biosecurity measures, in particular of fences (in progress)

Measures taken at the administrative level (Department)

- Disease-free status of the departments of the Allier and the Hautes-Alpes has been suspended in accordance with Terrestrial Animal Health Code of the OIE,
- Restrictions of movements of pigs from the departments towards disease-free areas has been taken in accordance with Commission decision 2008/185/EC (no intra-community trade of infected pigs)
=> Free status may be restored if all pigs in the affected holding were slaughtered

Recovery of disease-free status of Allier and Hautes-Alpes and end of restrictions of movements :
16/04/2021

Reflexions in connection with AHL

According to art. 9(2) - 2020/689: The competent authority shall classify an animal or a group of animals, as a confirmed case of a listed disease or of an emerging disease when:

- (a) the disease agent, excluding vaccine strains, has been isolated in a sample from an animal or from a group of animals;
- (b) an antigen or nucleic acid specific to the disease agent that is not a consequence of vaccination has been identified in a sample from an animal or from a group of animals showing clinical signs consistent with the disease or an epidemiological link with a suspected or confirmed case; or
- (c) a positive result from an indirect diagnostic method that is not a consequence of vaccination has been obtained in a sample from an animal or from a group of animals showing clinical signs consistent with the disease or an epidemiological link with a suspected or confirmed case.

Without clinical signs or epidemiological links (active surveillance or surveillance implemented for movements), the only possibility to confirm a suspected case is to isolate the virus

- ⇒ Fr considers that this is irrelevant or insufficiently precise for several diseases
- ⇒ In particular for Aujeszky's disease, herpesvirus is not detectable during latence period by virus isolation techniques.
- ⇒ From our reading, the two outbreaks presented today could not have been confirmed by use of AHL (art. 9(2) - 2020/689)? (latence period or delay of several weeks for virus isolation)
- ⇒ France is working with others members states to suggest to the Commission clarifications for AD confirmation



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