

QUESTIONNAIR FOR EPIDEMIOLOGICAL INVESTIGATION ON CASE AND CONTROL FARMS

(sections of the official ASF-outbreak questionnaire, which were not relevant for the present case control study, were omitted)

Date of visit:

Name of interviewer:

Case farm identification No:

Address:

Control farm identification No:

I. INFORMATION OF THE HOLDING

1. General information:

Owner of the holding: legal entity natural person

(Name, surname/company name, address)

Contact phone no.: _____

Veterinary confirmation No: _____

Name(s) and responsibility of interviewed person: _____

Control farm: Location

Geographic coordinates:

Straight distance (km, one decimal number) to the ASF case farm: _____

Type of pig farming: commercial non-commercial

2. Herd type:

- Breeding herd
- Fattening herd
- Herd of other purpose (specialized company)
- Sows before farrowing
- Other (.....)
- Mixed-breed herd
- Piglet farming herd
- Farrowing herd
- Reproductive herd

4. Swine categories and numbers:

Category	Number of pigs
Piglets up to 3 months	
Pigs from 3 to 8 months	
Pigs over 8 months	

Sows (replacement, major, pregnant, not pregnant)	
Boars	
Total	

5. Pig holding is registered in the official data base Yes No

7. Are other animals present on the farm (indicate number for each species): Yes No ;

if "Yes" what animals:

- | | |
|--|--|
| <input type="checkbox"/> bovines _____ | <input type="checkbox"/> sheep _____ |
| <input type="checkbox"/> goats _____ | <input type="checkbox"/> poultry _____ |
| <input type="checkbox"/> dogs _____ | <input type="checkbox"/> cats _____ |
| <input type="checkbox"/> horses _____ | <input type="checkbox"/> other _____ |
- (specify)

- The other animals leave farm territory (Indicate species) _____ Yes No
- Other animals are kept together in the same premise (the same room/space) (Indicate species) _____ Yes No
- Is there a physical barrier (solid walls without holes, gaps and etc.) between pigs and other animals in the building? Yes No
- Can pigs and other animals have direct contact with each other Yes No
- Can pigs and animals have indirect contact with each other Yes No
- Additional information _____

7.1 Movement of animals from pasture/forest to farm in the last 4 weeks Yes No

If yes, which species and purpose _____

- Every day
- Several times per week
- Once per week and less

8. Population of rodent (mice, rats):

- Ongoing rodent control Yes No
- is done by specialized company Yes No
- is done by owners Yes No
- high (visible problems with rodents)
- average (no problems, only signs of rodents)
- low (rodents and their signs are not observed)

Additional information _____

9. Cleaning, washing of premises:

- almost exclusively dry cleaning
- washing without using high-pressure water
- washing in cold or hot high-pressure water without disinfectants

Cleaning is carried out:

- periodically (how frequently) daily
- by taking out from the individual or group holdings
- on the "all-in-all-out" basis
- not carried out
- in presence of animals

Disinfection is carried out:

- periodically (how frequently) _____
- by taking out from the individual or group holdings
- on the "all-in-all-out" basis
- not carried out
- in presence of animals

10. Ventilation systems:

- natural ventilation
- mechanical ventilation
- separate systems by sections of premise Yes No
- filters Yes No
- insect nets are installed Yes No

Additional information about protection of windows, doors and ventilation openings from insects _____

11. Collection and storage (before dispatch for utilization) of dead animal in the last 4 weeks:

Yes No

If Yes

In closed leakage prove containers

- inside a barn or utility room
- on the premise territory
- on the edge of premise territory

Not in containers, openly

- inside a barn or utility room
- on the premise territory
- on the edge of premise territory

12. Pig feeding:

- fed only non-animal origin feed produced by themselves and purchased
- fed only non-animal origin feed produced by themselves
- fed only non-animal origin feed which is purchased
- green fodder is used (grass, potatoes and etc)
- fed with purchased feed of animal origin (e. g.: blood, fish meal and etc.)

- fed with milk of cows (goats, sheep) from own farm
- feeding with milk processing products or by products from enterprises
- other feeding practices _____

12.1 In-depth information on feeding (diet, technology, feed suppliers):

Whole-meal from own grown grain Is it steamed Yes No

Bought whole-meal Is it steamed Yes No

Comments _____

12.2 Feeding with food waste from canteens or own household kitchen: Yes No

if "Yes", is it:

- heat-treated not heat treated

12.5 Feed storage:

Specify whether feed and bedding are protected from wild boars Yes No

In the same space/room where pigs are kept

In the same building next to pig holding space

In the same pig keeping building, but you have to bring feed from outside the building

Biosecurity is good

Biosecurity is bad

In a separate building with good biosecurity

In a separate building with bad biosecurity

Grain is ground in a pig holding space Yes No

Other

Comments _____

12.6 Beddings: homemade acquired or bought

- straw sawdust No bedding

12.7 Storage place of beddings (other information):

In the same space/room where pigs are kept

In the same building as pigs

In the same pig keeping building, but you have to bring feed from outside the building

Another building:

With good biosecurity

With bad biosecurity

Additional information _____

13. Insemination:

- natural mating
- artificial insemination with on the farm produced semen
- artificial insemination with purchased semen
- insemination is performed by farmer (no service from outside)

other (e.g. mixed) _____

15. Animal purchases and sales within the last 4 weeks:

a) purchase: Yes No

Date	Quantity	Age, category	Place of purchase	Herd origin

b) sale: Yes No

Date	Quantity	Age, category	Place of purchase	Herd origin

Movement routes of the purchased pigs:

- from seller's farm
- trader's premises
- auctions /exhibitions/markets
- shipment directly from the herd of origin by own transport
- shipment directly from the herd of origin by means of carriers
- direct shipment with visiting other herds

16. Distance from an outbreak to the nearest pig holdings/herds:

a)

No	Name and address	Distances (km)	If there was a ASF outbreak - distance in km
1			
2			

b) Distance to the nearest positive wild boar hunted or found dead during the last 6 months:

No	Location and coordinates WGS	Distances (km)	Date

17. Official veterinary control of the farm

Yes No

If "Yes", then:

- once a year
- once during the pig fattening period
- twice a year
- more often

Date of last visit _____

20. Visitors within the last 4 weeks: Yes No

a) controlling authorities:

- veterinary services
- breeding service
- environmental protection
- fire protection
- National Paying Agency
- other authorities

b) service providers:

- inseminators
- carriers
- feed suppliers
- technical staff
- attending/holding veterinarian:

identification No: _____
address, tel.: _____

c) other persons:

- animal traders
- butcher
- hunter
- other _____

(specify)

The visitor had contact with pigs on the farm Yes No

The visitors entered pig farm/ area only Yes No

(specify which visitors had which contacts and date) _____

21. Movement of transport to pig farm area for last 4 weeks Yes No

List of transport that arrived to the farm in the last 4 weeks (dates and purpose)

Was there a sharing of farm transport with other farms in the last 4 weeks Yes No

Farm transport is used for work in fields/pastures in the last 4 weeks Yes No

Farm transport is used for work in forests in the last 4 weeks Yes No

Visiting transport on the farm in forests in the last 4 weeks Yes No

Comments if answered yes _____

22. Other contacts within the last 4 weeks: Yes No

Possible contact with wild boars Yes No _____

Common use of machines or parts of machines (e.g. grass or silage choppers) Yes No

Sharing of tools/gear with neighbors/friends within the last 4 weeks _____ Yes No

Other possibilities of the contact:

(specify)

22.1 Movement of farm personnel to forest in the last 4 weeks

Yes

No

Purpose of movement _____

Once per week

2-3 times per week

More than 3 times per week

Date of last visit _____

22.3 Movement of farm personnel to pastures in the last 4 weeks

Yes

No

Purpose of movement animal care, works on fields

Once per week

2-3 times per week

More than 3 times per week

Date of last visit _____

22.4 Additional information regarding visitors

- there is a hunter among the owners/family, who lives/works on the farm
- there is a hunter among workers who has contact with pigs
- there is a hunter among other farm workers with no direct contact with pigs
- hunters among friends, relatives and etc.,
- no hunters on farm

23. ASF historical data:

a) ASF – was previously detected Yes No

Date of confirmation: _____

26. Biosecurity assessment in the holding

	Measure	Comments and observations	Is there a risk?	
			YES	NO
	External biosecurity			
4	Fence and gate quality			
5	Manure keeping place is fenced			
6	Disinfectant barriers (quality and use)			
7	Fomites (only for pigs or not)			
8	Appropriate environment (clean and etc)			

How reliably can be concluded that disinfection matts, rubber boots and working clothes for biosecurity purposes are maintained in good conditions, are used properly, regularly and that a farmer follows biosecurity requirements (assessment by the reviewer)

Not reliable	1	2	3	4	5	6	7	8	9	10	Reliable

VII. ADDITIONAL INFORMATION
