

Well-prepared for the worst case scenario



How to protect your business against
Foot-and-Mouth Disease (FMD)





Of all target animal species, cattle show the most severe courses. The main symptoms in cattle are high fever and fluid-filled vesicles (aphthae) on the mouth, tongue, claws and teats. The formation of blisters on and in the mouth leads to reduced feed intake. In pigs, the aphthae occur mainly in the area between the claws and cause lameness. In sheep and goats, the infection usually goes unnoticed.

TRANSMISSION

The virus spreads through direct contact between infected and healthy animals as well as through contaminated objects, clothing and other materials. Even small amounts of virus particles are sufficient to trigger an infection. The virus is excreted in nasal secretions, saliva, milk, urine, faeces and the fluid from the typical vesicles, as well as in the air we breathe.

PREVENTION

Through a targeted exchange of information, raising awareness of the issue and appropriate preventive measures, everyone can help to minimise the risk of introduction into livestock. Biosecurity is the top priority on these farms. Further information on hygiene measures can be found on the following pages.

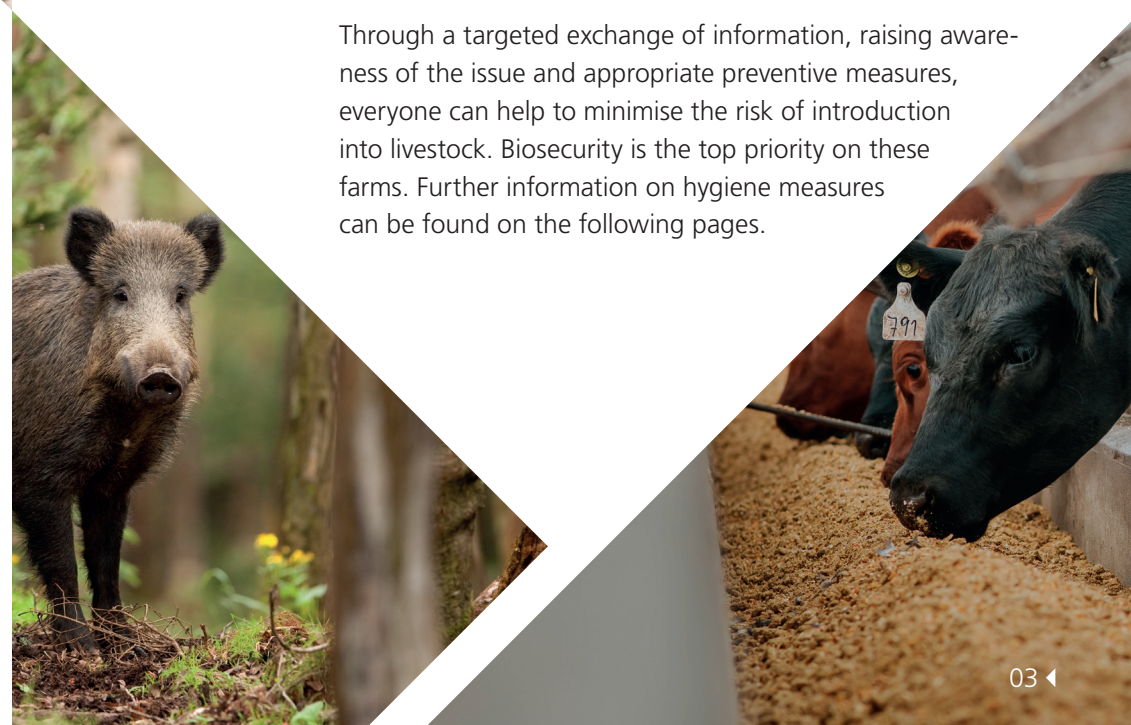
FOOT-AND-MOUTH DISEASE (FMD)

Foot and mouth disease (FMD) is a highly contagious viral disease that mainly affects cattle, pigs, sheep, goats, wild boar and wild ruminants. The non-enveloped virus is very resistant in the environment. For example, the virus remains infectious in dried faeces for 14 days, in manure for up to six months and in frozen meat (-20°C) for several years. It is currently endemic in Hungary, Turkey, the Middle East and Africa, in many Asian countries and in parts of South America, i.e. it occurs there again and again.

Illegally imported food from these countries poses a high risk of introduction.

Symptoms

The disease is not fatal in most adult animals, but a permanent reduction in performance is the result of the viral infection.



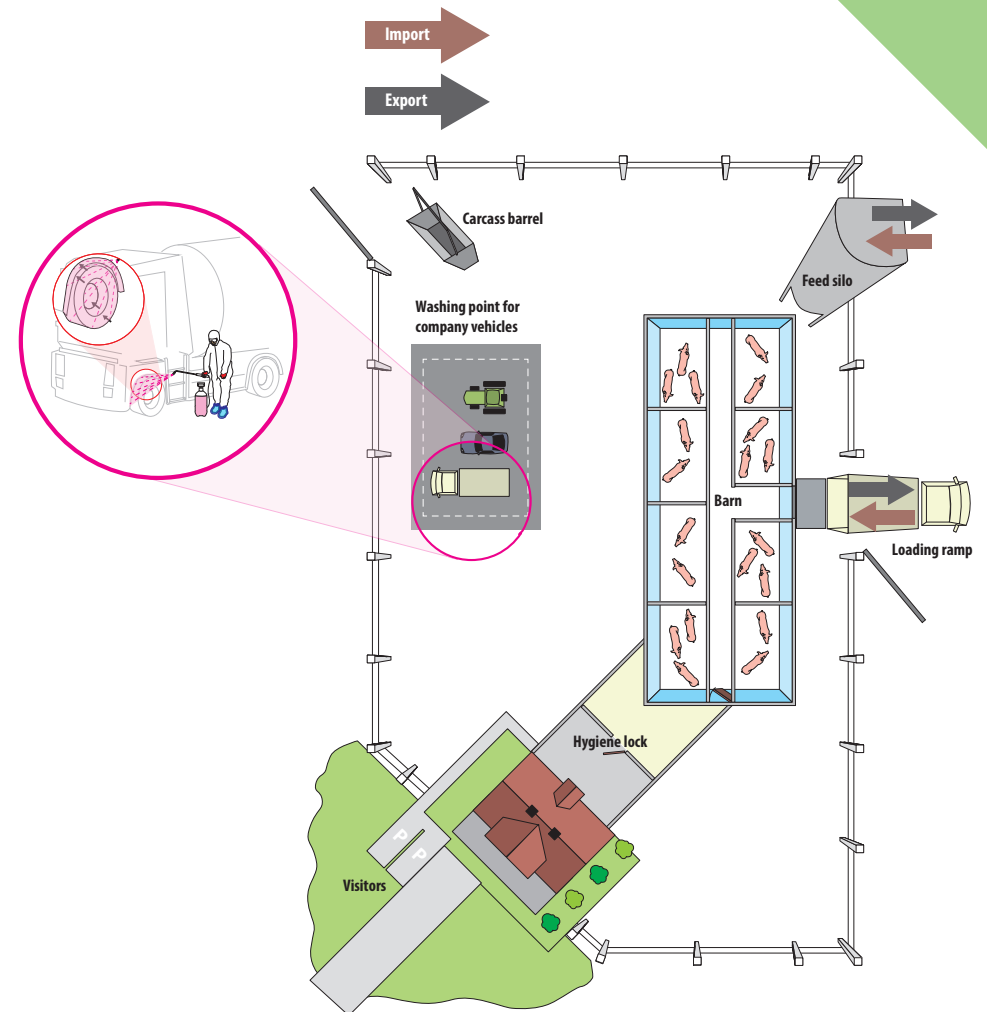


BIOSECURITY ON THE FARM

Targeted precautionary measures are crucial to reduce the risk of introducing foot-and-mouth disease. Good and well thought-out hygiene on farms is the basis for preventing the introduction of the virus. Proper clothing, footbaths with disinfectant and rodent and fly control are tried and tested measures. In addition, no animal products should be brought in from affected areas or even fed to target animal species.



AGRICULTURAL HOLDING



You can find product recommendations for:

- Vehicle cleaning and disinfection
 - Pigsty areas
 - Foot trays
- on pages 10 and 11.



BIOSAFETY WHEN VISITING PIGSTIES

- Drive as little as possible across the holding property
- Prior to leaving your vehicle, put on disposable overshoes
- Only visit pigsties after consulting the agriculturalist
- Only enter the pigsty via the hygiene lock
- Maintain the strict separation of the black-white area
- Shower when going in and out if possible
- Document your visit and make an entry into the pigsty visitor's book
- Use company protective clothing (overalls, boots, cap, gloves)
- If no company clothing is available, use disposable overalls, disposable overshoes/boots, disposable gloves. **⚠ After visiting the pigsty, these items must remain on the farm!**
- Wash your hands prior to and after visiting the pigsty and disinfect them
- If possible, do not take any material or devices into the pigsty with you – if this is necessary, clean and disinfect the devices (e.g. measuring devices, camera) after visiting the barn
- Used notepads, clipboards and pens are to remain on the farm



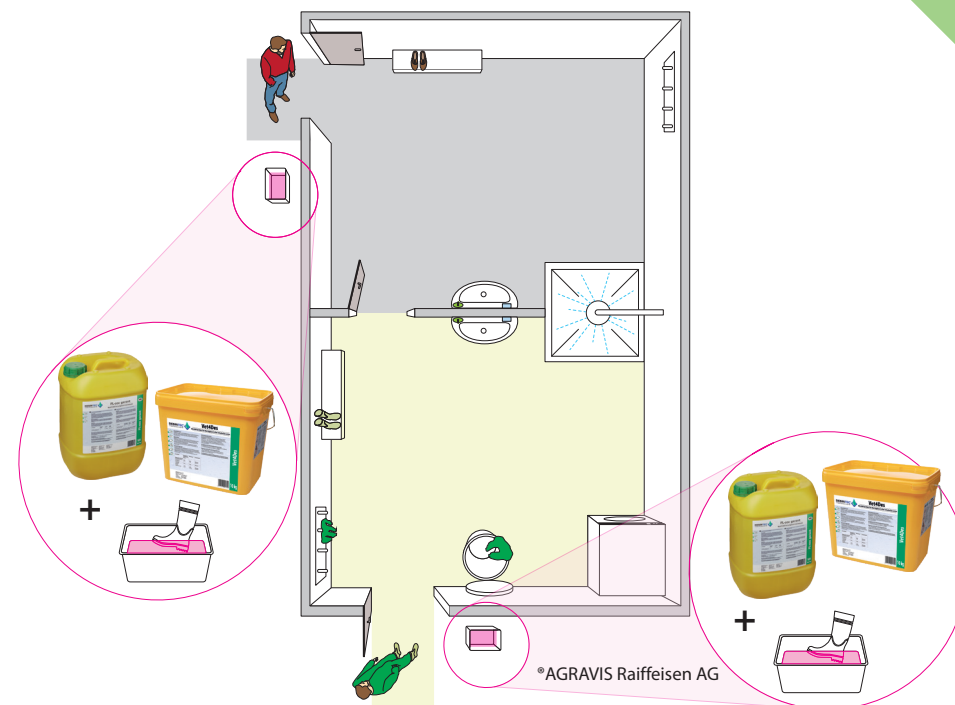
Remember to document external visitors in the pigsty visitor's book.



IN CASE OF EPIDEMIC

- **No visits to pigsties in restricted areas and observation areas**
- **Observe officially-stipulated measures to the letter.**

HYGIENE LOCK (BLACK-WHITE AREA)



You can find product recommendations on pages 10 and 11.



BIOSAFETY FOR THE TRANSPORT OF GOODS

For drivers:

- Backpack sprayer (5 l) filled with disinfectant solution
- disinfectant (DESINTEC® FI-des GA forte or DESINTEC® Vet4Des)
- Disposable overshoes/boots
- Disposable overalls
- Disposable gloves
- Cotton gloves with nubs
- Hand disinfectant
- Safety glasses
- Bin bag
- Dust bag

• Travelling on holding properties:

1. Drive as little as possible across the holding property
2. Put on two pairs of disposable overshoes in the lorry
3. Put on disposable gloves, cotton gloves with nubs and overalls
4. Disinfect the tires and wheel cases of the vehicle using DESINTEC® FI-des GA forte or DESINTEC® Vet4Des
5. Disinfect the blow-out hose
6. Use unused dust bag
7. Blow out feed, do not enter pigsties (silo ramps and animal ramps must be mounted outside the pigsties)

IN THE CASE OF EPIDEMIC

- Procure and observe the legal and regulation texts by the BMEL (Federal Ministry for Food and Agriculture) adapted for the respective current disease (epidemic) case
- In the case of officially determined epidemics in holdings and/or regions, the measures stipulated by the authorities must be stringently adhered to.

• On leaving the farm property:

1. Remove the blow-out hose, disinfect the blow-out hose, tires and wheel cases again and stow it away
2. The used dust bag remain on the farm
3. Take off the disposable overalls and dispose of them on-site
4. Take off the disposable gloves, cotton gloves with nubs and one pair of overshoes and dispose of them on-site.
5. Take off the second pair of overshoes in your vehicle and dispose of them in the bin bag (dispose of bin bag after last trip, at least once per day)
6. Then disinfect your hands
7. Documentation of the disinfection



©AGRAVIS Raiffeisen AG

The hygiene measures for the transportation of goods (for lorry drivers) can be procured as instruction cards by telephone on +49 251 . 682-1188



OUR PRODUCT RECOMMENDATIONS FOR YOU

CLEANING



DESINTEC® FL-R1 universal

Liquid, alkaline foam cleaning agent for cleaning holdings and vehicles (with gloss effect). The cleaning product is ideal for the removal of grease, oil and dust from sty and machine surfaces. It is in particular highly compatible with materials when used in the recommended usage concentration.

Packaging: 11 kg, 22 kg and 231 kg

Vehicle cleaning

DISINFECTION



DESINTEC® FL-des GA forte

FL-des GA forte is a highly-effective, foaming surface disinfectant without formaldehyde for sties and barns, sty installations and feed and animal transportation vehicles. It is based on quaternary ammonium compounds and glutaraldehyde. FL-des GA forte is also ideal for use in foot and shower trays. The 1-2 % application solution has a wide spectrum of effect against bacteria, viruses and fungi.

Packaging: 1 kg, 10.4 kg and 208 kg

Vehicle disinfection
Foot trays
Sty disinfection



DESINTEC® Vet4Des

DESINTEC® Vet4Des is effective against a wide spectrum of pathogens (bacteria, viruses and fungi). The disinfectant consists of substances containing peroxide, surfactants, organic acids and an inorganic buffer system. DESINTEC® Vet4Des also takes effect at low temperatures. It can be used in many different ways for the disinfection of surfaces, water pipeline systems, devices, footwear and air.

Packaging: 1 kg and 10 kg

Vehicle disinfection
Foot trays
Sty disinfection

ACCESSORIES



DESTOR disinfection gates by Meier-Brakenberg – mobile and stationary versions for the disinfection of vehicles



Foot tray

Plastic disinfectant trays for shoe and boot disinfection

Capacity: 45 l



Disinfection trolley

This device for the preparation of application solutions is highly flexible in use:

1. Spreading of disinfectant solutions
2. Spreading of larvicides



Foam disinfectant lance for water hose

The foam disinfectant lance for water hoses facilitates the fast and simple spreading of disinfectant.



Foam lance stainless steel for high-pressure cleaners

The foam lance for high-pressure cleaners facilitates the fast and simple spreading of cleaning agents and disinfectants (incl. screw adapter and spare screen).

PROTECTIVE CLOTHING



Nitrile gloves



Knubbed gloves



Overshoes



Disposable overalls



Safety glasses



Our products are available by telephone on + 49 251 . 682-1188



**DESTOR Disinfection gates by MEIER-BRAKENBERG –
mobile and stationary versions for the disinfection of vehicles**

CONTACTS



Gerrit Schneider
gerrit.schneider@agravis.de
 +49172 . 2695387

DESINTEC® – Sales

Industrieweg 110 . D-48155 Münster . Phone +49 251 . 682-1188 (toll-free)
info-desintec@desintec.de . www.desintec.de