

FOOT AND MOUTH DISEASE BIOSECURITY PRECAUTIONS

Foot and Mouth Disease (FMD) is a highly infectious disease caused by the picornavirus, affecting all cloven-hoofed animals including, pigs, cattle, sheep and goats.

The FMD virus can survive for considerable lengths of time outside of the host and susceptible species can be infected through airborne contact, other animals, animate (humans etc) and inanimate (vehicles, implements etc) vectors.

Precautionary requirements established by the UK Ministry of Agriculture, cleaning and disinfection of premises and the establishment of a Biosecurity barrier to help prevent spread of disease is essential.

Antec International specialises in the environmental control of highly infectious diseases like Foot and Mouth disease and four of its disinfectants have the highest UK Ministry of Agriculture "Approved Dilutions" against Foot and Mouth disease, making them not only effective but also economic in use:

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| Foot & Mouth disease | FMD Virus (picornavirus) | Antec Virkon S | 1:1300 |
| | | Farm Fluid S | 1:700 |
| | | Antec Virudine | 1:600 |
| | | Antec Hyperox | 1:150 |

The independent MAFF Dilution Rates for Antec Disinfectants clearly show the effectiveness of the products for killing The Foot & Mouth virus. However, in practice one must bear in mind farm conditions, in particular the heavy organic challenge and broad range of potential disease causing organisms. For this reason we recommend that our disinfectants are used at a dilution rate of 1:100 within the UK.

How can farms in an area where Foot and Mouth has been identified reduce the risk of contracting the disease?

Put a continuous control Biosecurity Programme into place:

1. Establish a secure Biosecurity perimeter to ensure that the site is limited to one combined entrance and exit, providing a means of contact between the site entrance and the farm house/office e.g. a bell or whistle for essential callers.
2. Minimize the number of visitors and where possible provide farm only boots and overalls.
3. Put a shower-in policy into place and provide hand-washing facilities (Antec Hand Hygiene System).
4. Provide foot and wheel dip baths filled with an approved disinfectant (Antec Virkon S at 1:100) and ensure that the disinfectant is changed on a daily basis.
5. Ensure that all vehicles have been cleaned and disinfected (Antec Vehicle Biosecurity Programme) prior to arrival at site.
6. Only allow essential vehicles to enter with all others (staff, service vehicles etc) being kept outside the Biosecurity perimeter.
7. Disinfect Loading Bays, Paths and Roadways with an approved disinfectant (Antec Farm Fluid S or Virkon S at 1:100 dilution).
8. Housings and Farm Building Cleansing and Disinfection:
 - a. Remove all equipment and dry clean the inside of the building/housing.
 - b. Dispose of all dung and bedding as far away from the building as possible.

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- c. Apply a heavy duty cleaner to all internal surfaces at low pressure and leave for 20-30 minutes to penetrate dirt, muck etc.
- d. Using clean water, pressure wash all surfaces.
- e. Sanitise the water system within the building/housing with an approved disinfectant (Antec Virkon S at 1:100) leaving it for 30 minutes and then flush the system through with clean water.
- f. All equipment removed from the building must be thoroughly cleaned (Antec Biosolve at 1:100 leave 20-30 min), rinsed with clean water and then disinfected (Antec Virkon S at 1:100).
- g. Using either a knapsack sprayer or pressure washer apply disinfectant (Antec Virkon S at 1:100) to all internal surfaces, paying particular attention to corners, cracks and seams. Allow to dry before restocking and replacement of disinfected equipment.
- h. Once the building/housing has been thoroughly cleaned and disinfected, replace equipment and lay new bedding if appropriate. The building may now be fogged with disinfectant (Antec Virkon S at 1:100) to control any infection that may have been brought in with these new items.
9. Provide staff training and raise awareness of Biosecurity issues.

