
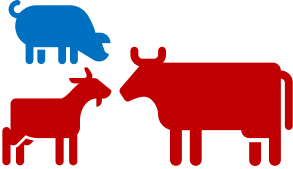


Mode of Transmission of Foot and Mouth Disease (FMD) Virus

Humans:
Clothes and skin
(Passive human carriage)





Animal to animal contact:
Direct contact with infected animals



Movement of people, farming equipment and vehicles


Pigs:
Infection takes place predominantly by **inhalation or ingestion**.
Incubation period is 2 to 7 days, virus is shed even **before** the **appearance** of lesions.



Movement of animals

How can the Virus Spread?

Standing water contaminated with virus particles




Holding facilities can be contaminated by the virus




Vectors like Rodents and Flies



Raw animal products:




Raw meat or **milk** from FMD exposed or infected animals. **Semen** used for artificial insemination from **FMD positive herds**.



Free roaming cloven-hoofed game: e.g African Buffalo, can act as carriers of the virus, without showing symptoms.

At Auctions:
Animals are brought together from different farms and areas.
(Panic selling of animals)



Critical Control Points for control of Foot and Mouth Disease

Isolation:

Animals with **symptoms** should be isolated.

- ❖ Have designated employees for sick animals.
- ❖ Never move from sick animals to healthy animals.

New animals on farm should be isolated. (kept away from the rest herd for 28 – 30 days.)

No direct contact allowed.

1. Limit access to your farm:



STOP all movement of animals on and off your farm **Minimize traffic** to only Essential operations on farm.

Propper **fencing**, regular inspections.

Provide **Clean Protective Clothing** for Employees and Visitors. (Showering in is recommended, [use Showerfresh](#))

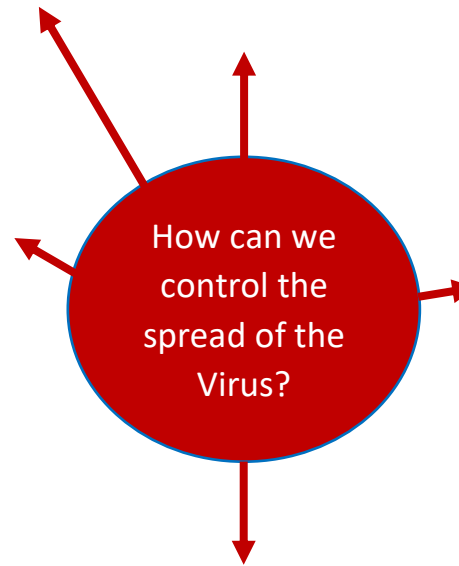
4. Programme recommended to:



- ❖ **reduce pathogen** load and
- ❖ **lower transmission** in cattle pens and holding areas

Following each new group of animals / when pens are empty:

- ❖ Remove contaminated manure, dry, and dispose responsibly to avoid spreading or contamination by free roaming animals on the farm.
- ❖ Wash areas that were in contact with animals – feed troughs, water troughs and equipment like nose tongs. ([Use Chlor F](#)) and disinfect with [Megacide](#).
- ❖ Spray disinfectant on floor (soil) areas in pens, where hooved animals were kept, with knapsack sprayer or hose pipe. ([Use FP Black 25](#)) Phenolic based products are ideal for this application.
- ❖ **Rodent and Fly control** is very important at all times.



2. Essential Entry:



Driver to disinfect hands ([Use Hand San](#)) and footwear by stepping into a foot dip. ([Use Megacide](#) or [FP Black 25](#))



Disinfect the cab area of all the vehicles – before entering the farm. ([Use Hand San](#))

All vehicles must go through:

- ❖ a spray race, ([Use Megacide](#))
- ❖ or vehicle dip, ([Use FP Black 25](#))
- ❖ or vehicles must be sprayed with a disinfectant, spray wheels, wheel wells and under carriage. ([Use Megacide](#) or [San Quat](#))

3. Biosecurity measures for employees and visitors:



Hand washing ([Use Hand NP](#))



Sanitize hands after washing ([Use Hand San](#))



All footwear should be washed and disinfected before entering and leaving animal facilities.

Foot dip 1: Scrub boots thoroughly with brush and detergent, pay special attention to the sole of the boots, to remove all organic matter. ([Use Chlor-F](#))

Foot dip 2: Step into this foot dip containing disinfectant. Solution should be ankle height. Replace solution daily. ([Use Megacide](#) or [FP Black 25](#))



Laundry

Protective clothing of employees or animal handlers should remain on the farm and be washed with warm water and detergent. ([Use Holiday – LF](#) or [Micro Wash](#))



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