



**Broad Spectrum Liquid Disinfectant
for livestock industries**



African Swine Fever Prevention & Control

African Swine Fever (ASF) is a highly contagious haemorrhagic disease that affects the Suidae family (pigs, wild boar, warthogs, etc.).

The disease attacks all different ages within this family and the pathogen responsible is a multi-layered envelope virus with double-stranded DNA belonging to the Asfarviridae family.

Although the ASF virus is not a threat to human health, it is a major threat to pig farming.

ASF is extremely dangerous due to its highly contagious characteristics, ability to be easily spread via a variety of vectors, high morbidity and mortality rates, and extreme resilience to withstand high and low temperatures. Add to

this the fact that there is currently no effective treatment or vaccine available.

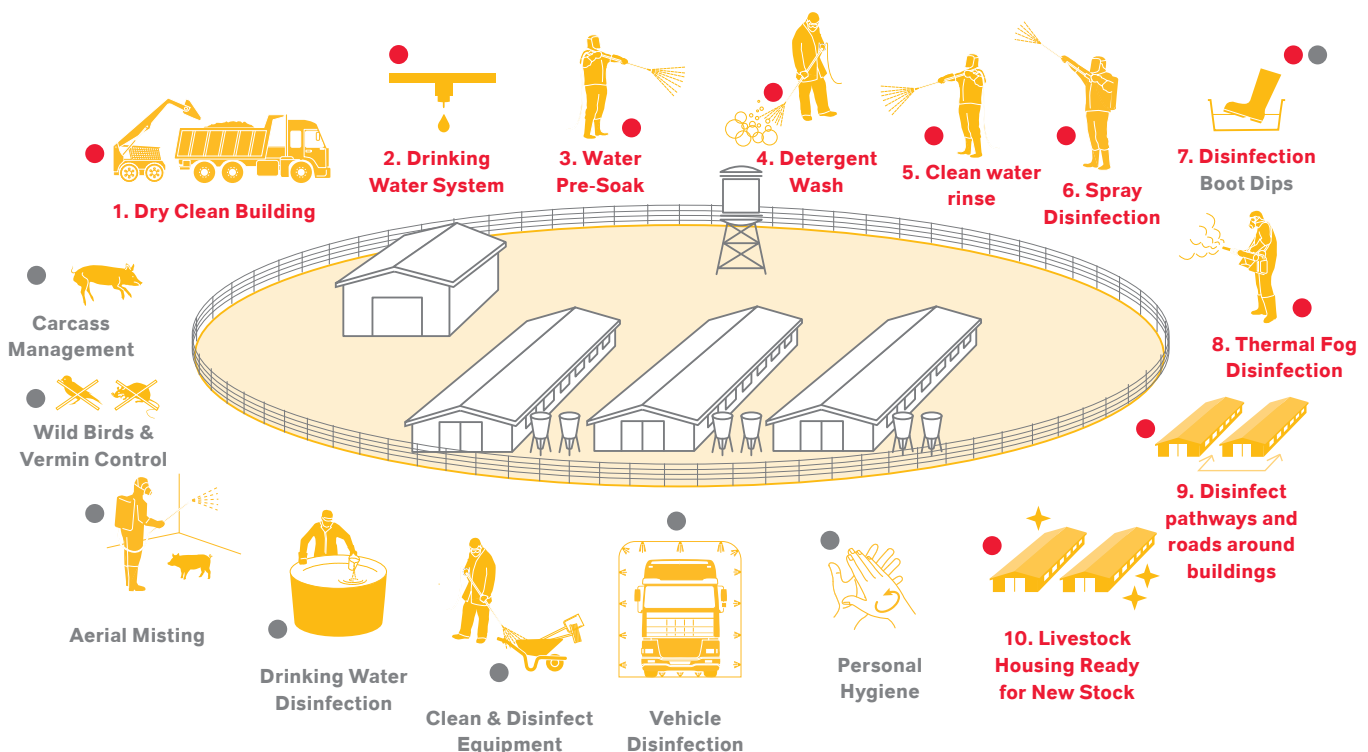
Severe cases are characterised by an acute fever resulting in mortality within 2 to 10 days on average.

Possible clinical signs: high fever, loss of appetite, depression, skin lesions showing reddening of the ears, stomach and feet, difficulty breathing, arthritis, vomiting, bleeding from the nose or rectum and sometimes diarrhoea.

So how can the spread of this highly contagious and devastating pig disease be prevented and controlled?

Advanced biosecurity programs which includes both terminal and continuous farm biosecurity is the answer.

● Terminal & ● Continuous Farm Biosecurity



Terminal Biosecurity Program

The standard terminal biosecurity program objective is to prevent the “carry-over” of pathogenic organisms, thus ensuring that each new production cycle gets a completely clean fresh start.

STEP 1: Dry cleaning of the building: remove the dry organic matters (bedding, litter, left-over food) and movable equipment.

STEP 2: Clean and disinfect the drinking water systems.

STEP 3-5: Clean the building and equipment with a high quality detergent to ensure all surfaces and equipment are visibly clean before moving on to the disinfection stage.

STEP 6-10: Disinfect with a product that has been proven to inactivate the ASFv.



Reinforce your Biosecurity measures with TH4+®, a bactericidal, virucidal and fungicidal disinfectant, effective against the African Swine Fever virus at a dose of 0.5% (EN14675 - 10°C - 30min). TH4+® has been tested in the Onderstepoort Veterinary Institute (referenced laboratory for ASF according to OIE).

- Spray to disinfect equipment/vehicle/surfaces:
TH4+® at 1:100 (1%) solution, application rate 0.3 L/m²
- Thermal fogging (secondary disinfection):
TH4+® 1.5 ml/m³ diluted 1:1 (50%) with water
- Boot dips/Wheel dips:
TH4+® at 1:100 (1%) solution. Change the solution every 2-4 days, or when visually soiled.

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Continuous Biosecurity Program

The aim of the standard continuous biosecurity program is first to prevent pathogens from establishing themselves on site and, secondly, to prevent the spread of infection within the farm site.

- Personal hygiene: Restrict all visits and ensure that biosecurity rules are followed during necessary visits. All personnel need to shower, and change into clean clothing and footwear before entering the animal rearing area. Wash hands again before entering any animal building.
- All vehicles entering the site must pass through a disinfectant wheel wash or vehicle spray.
- Movable equipment must be washed and disinfected before being moved and used at different sites.
- Continuous disinfection is important to maintain water quality during the production cycle. Drinking water can be a potent source and spread of infection.
- Aerial Misting - Spraying a fine disinfectant mist or fog in animal buildings can help reduce cross infection and secondary infections for some types of pathogen.
- Wild animals, rodents and other animals that can be possible vectors of disease transmission should be controlled. Ensure a secured perimeter barrier/fence is in place to stop large animals such as wild boar, dogs, cattle, etc. from entering the site.
- Good carcass management is also essential to prevent re-occurring diseases.

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