



**Broad Spectrum Liquid Disinfectant  
for livestock industries**



# Highly Pathogenic Avian Influenza & Newcastle Disease Viruses

Newcastle Disease and Avian Influenza, are both extremely contagious and devastating diseases, which cause high morbidity and mortality rates in poultry (predominantly chickens and turkeys).

The consequences are immediate and financially severe. However, with thought and planning, a comprehensive Advanced Biosecurity Programme which includes both “terminal” and “continuous” farm biosecurity can be implemented in order to minimise the impact of potentially catastrophic outbreaks.

## 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.

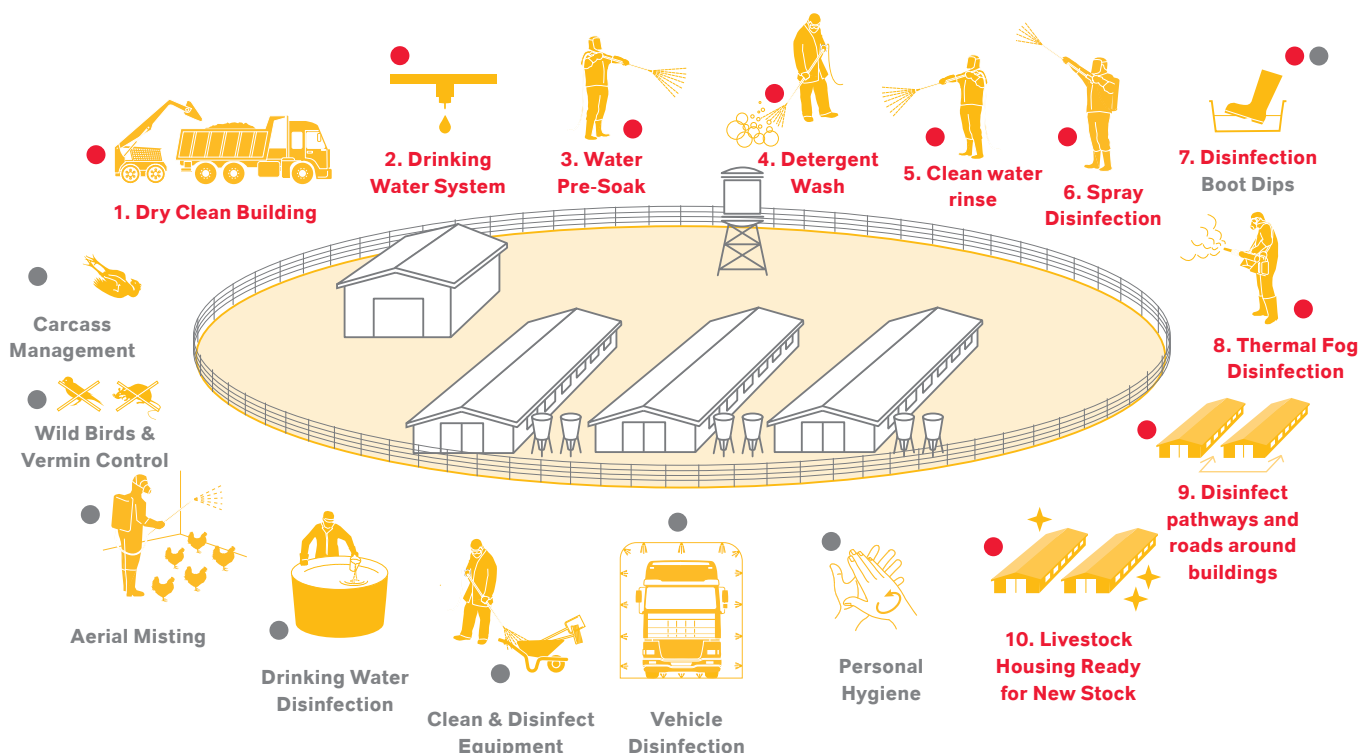
**STEP 1:** Dry cleaning of the building: remove the dry organic matters (bedding, litter, left-over food) and movable equipment.

**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 scientifically proven effective.

## Terminal & Continuous Farm Biosecurity



## 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.

**Vehicle disinfection:** All vehicles entering the site must pass through a disinfectant wheel wash or vehicle spray.

**Clean & disinfect Equipment:** Movable equipment must be washed and disinfected before being moved and used at different sites.

**Drinking water Disinfection:** 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 can help reduce cross contaminations and secondary bacterial infections during outbreaks of respiratory disease caused by certain viruses.



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**Pest Control:** Wild Birds, mice, rats, and insects can be responsible for the spread of a number of serious diseases on poultry farms. Ensure that feed spillages are removed as quickly as possible and that houses are secure from insects and vermin. Implement an effective pest control program.

**Carcass management:** is also essential to prevent re-occurring diseases.



**TH4+® is outstanding scientifically formulated broad-spectrum disinfectant which guarantees protection against more than 60 strains of bacteria, viruses and fungi causing the main diseases in livestock farms.**

## Instructions for use

- Spray to disinfect equipment/vehicle/surfaces:  
TH4+® at 1:100 (1%) solution, application rate 0.3 L/m<sup>2</sup>
- Thermal fogging (secondary disinfection):  
TH4+® 1.5 ml/m<sup>3</sup> 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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**Use biocides safely. Always read the label and product information before use.**