



THE PRINCIPLES OF PROPER FARM CLEANING AND DISINFECTION PROGRAM

NetPoulSafe

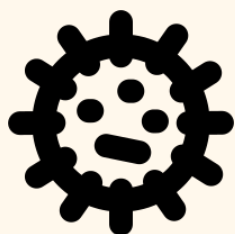
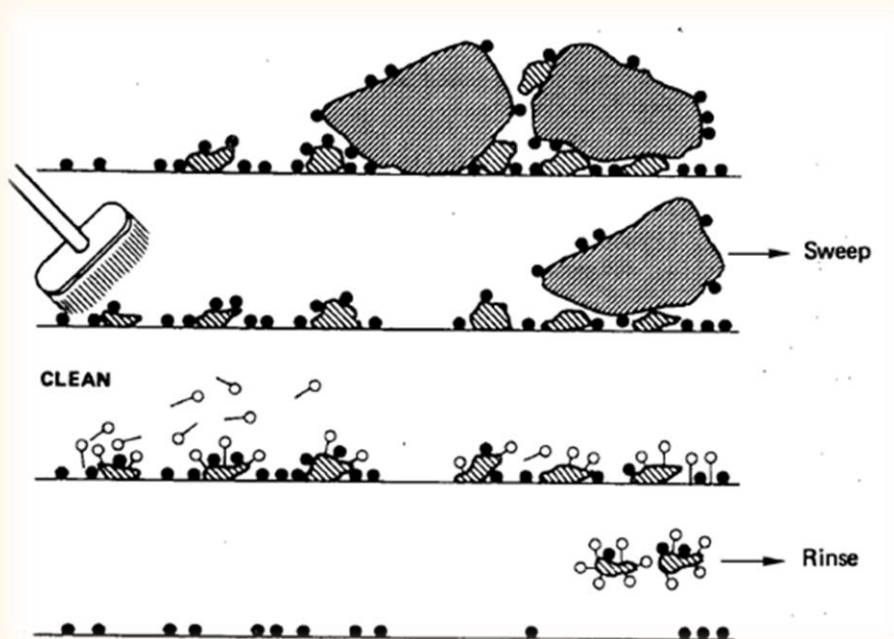


KEY POINTS

- It is essential that animals are kept in farms where the risk of infection by infectious diseases is minimised
- The pathogenicity of some facultative pathogens may increase with increasing germ counts.
- Even large numbers of microorganisms can overload the immune system, what can lead to decrease in production.

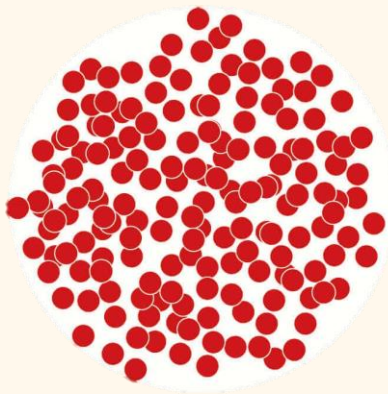
The purpose of cleaning and disinfection:

- reduce the number of microbes on surfaces (and in the air) to a level and in a manner that ensures that most - if not all - pathogens and zoonotic agents are eliminated
- reduce infection pressure (~protect freshly hatched, immunocompromised animals)

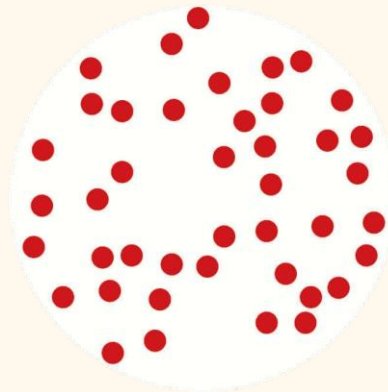


Basic definitions

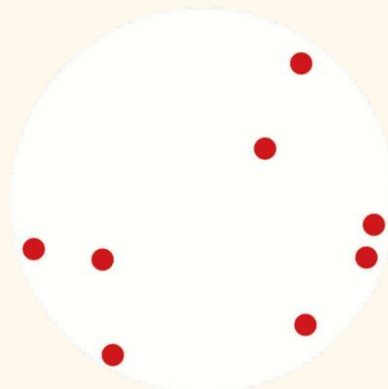
- Cleaning
the (physical) removal of organic and inorganic material, including biofilms where present, in order to make micro-organisms and pathogens accessible to disinfectants
- Disinfection
ideally kills most of the pathogens remaining after cleaning (depending on the disinfectant and environmental conditions)



Untreated surface



Surface after cleaning



Surface after disinfection

The most important steps and processes are in the cleaning and disinfection protocol

1. DRY CLEANING

remove the maximum amount of manure and litter with working machine and hand broom



2. DISMANTLING OF TECHNOLOGICAL EQUIPMENT

these parts will have to be cleaned separately

3. WET CLEANING

use detergent (soap) to dissolve organic and inorganic components of dirt

the drinker line system must be treated with a cleaning and disinfecting agent

important to clean the outside part of the barns as well



4. FLUSHING, WASHING

washing out the previously spreaded cleaner product from the barn



5. DRYING OUT OF THE BARN

let the barn dry out before start the disinfection

procedure to avoid the dilution of the disinfectant

6. MAINTENANCE WORK

carrying out most of the maintenance work on the farm and inside the barns



7. DISINFECTION



For more information:

- NETPOULSAFE project : <https://www.netpoulsafe.eu>

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