



NaBioTech
nano&biolife

ACTI-FARM

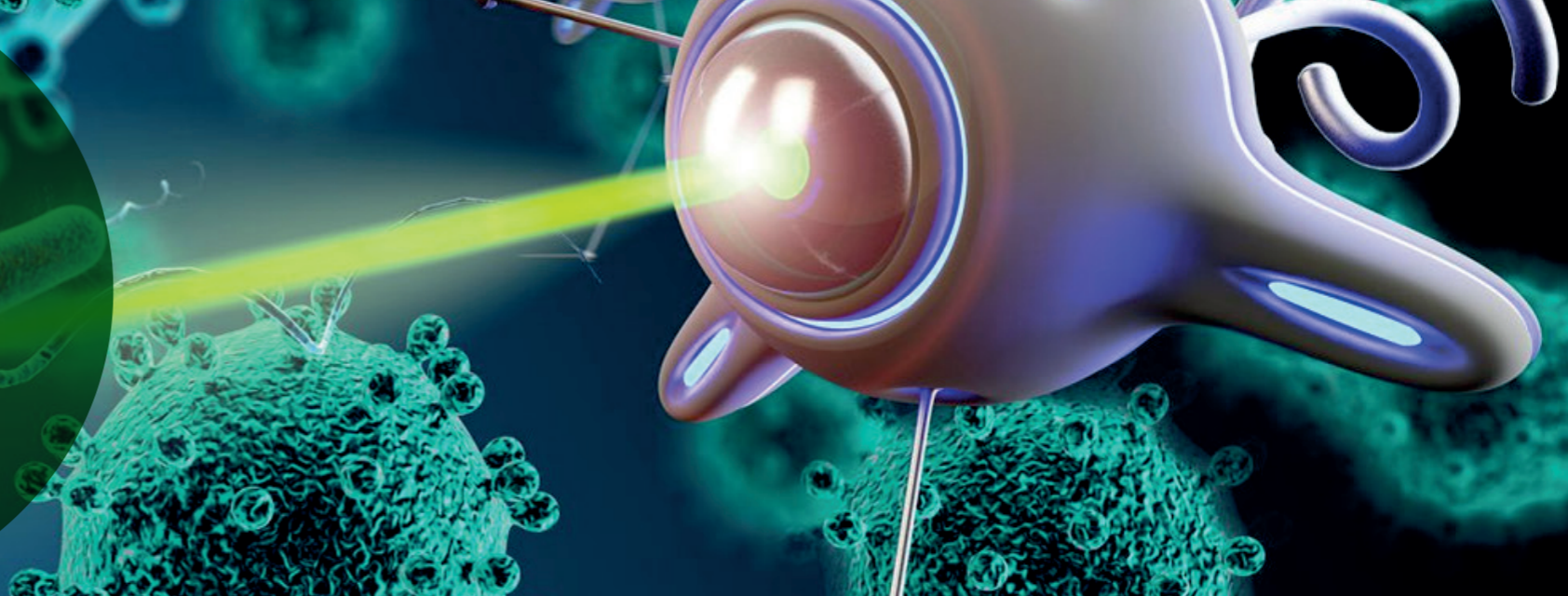
Nano-biotechnologies



**Biological bedding conditioner
and drying agent**



The intensive production causes waste that accumulates in animal bedding. This is colonized by a multitude of microorganisms which increase the nitrogen levels in the environment and cause various pathologies such as: diarrhoea, abscesses and respiratory diseases.



ACTI-FARM controls and reduces emissions of NH3 (ammonia)

ACTI-FARM is a conditioner based on bio and nano-technologies capable of degrade the organic components and controls pathogenic microorganisms.

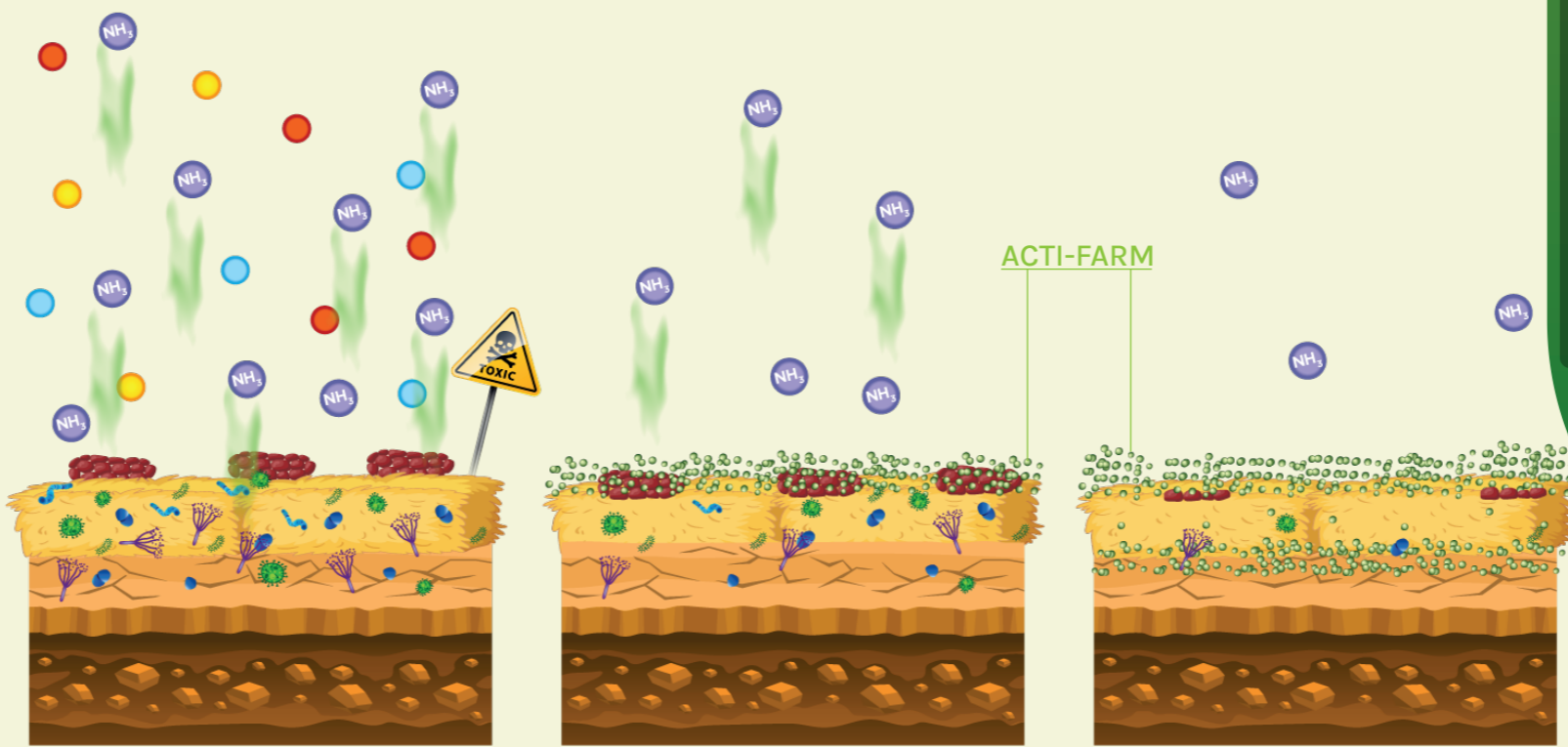
The pool of selected microorganisms contained in **ACTI-FARM** activates biodegradation and humification process of organic substances contained in the animal waste. This rapid biotransformation of organic substances acidifies the pH, resulting in mineralization by conversion from ammonium ions (volatile and toxic) to a stable product (ammonium salts) capable of regulating the growth of non-pathogenic bacteria.

When to use ACTI-FARM

- In plans to improve animal welfare and the environment
- As prevention in the establishment of potentially pathogenic bacteria
- In foot pathology prevention plans and secondary respiratory diseases, associated with the litter of the animal
- When looking to reduce the levels of gas emissions from the farm
- To increase animal density per square meter of the farm, complying with the legal regulations for gas emissions

How ACTI-FARM works

ACTI-FARM activates a controlled biodegradation and humification processes of the organic substances contained in animal waste. This process lowers the pH with the consequent acidification of the litter, which optimizes the growth of beneficial bacteria. Moreover they limit by competition the growth of potentially pathogenic bacteria



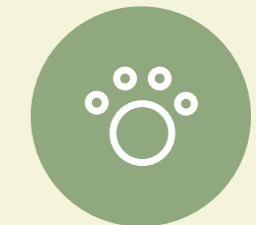
- Colonization of pathogenic microorganisms
- Increased ammonia levels, dangerous gases and bad odors

- Reduction of pathogenic microorganisms
- Reduced ammonia levels

- Elimination of bad microorganisms and concurrent pathologies
- Reduction of the respiratory problem and leg injuries

ACTI-FARM is the differential factor

- Reduction of respiratory problems and leg injuries
- Possibility to increase the animal density per square meter
- Compliance with local regulations and European in terms of emissions of gases
- Prevention of pathogenic microorganisms
- Reduction of bad odors and harmful gases
- Improvement the environmental quality of the farm



ZOO

Benefits

Reduction of the emission of harmful and bad smell gases



Compliance with local and European standards in terms of animal density and gas emission



Control of volatile ammonium emissions and their effects



Prevention of the introduction of potentially pathogenic microorganisms



Improvement of mortality rate, FCR, weight increase



Species



ACTI-FARM

Bucket of 10 kg of powder

Detailed application for each species and production phase. For more information please contact NaBioTech Technical Service or see product technical data sheet.