Fumagri® HA

Food safety begins in the Environment

APPLICATION - PIG SHEDS & VEHICLES

Empty Pig Sheds
Maternity building
Fattening buidling

Disinfection of surfaces
After cleaning and wet disinfection, to reach even hard-to-reach places in all kind of sheds (maternity, fattening)

Silos
Dry disinfection

Control Rooms
Dry disinfection

Transport Vehicles

Disinfection of surfaces
After cleaning and wet disinfection, to reach even hard-to-reach places

Fumagri® HA: biocidal use PT03 and PT04. Composition: Hydroxyacetic acid (HA).
Use biocides safely. Always read the label and product information before use. Dangerous. Comply with precautions for use.

Fumagri® HA

ULTRADIFFUSION
"State of the art technology you can trust"

ULTRADIFFUSION® is a non-pyrotechnic, slow combustion technology diffusing active substance in the air thanks to a thermokinetic effect.

ULTRADIFFUSION® enables uniform, very high density diffusion in the whole volume of the room to be treated, including hard-to-access zones, with precise dose adjustment.

ULTRADIFFUSION® offers a favourable alternative to other methods, without compromising efficacy.

APPLICATION IN SURFACE DISINFECTION – MODE OF ACTION

1 EMISSION

The active substance rises up leaving the operator time to exit the room. It is propelled by slow, non-pyrotechnic combustion time.

2 DISPERSAL

The active substance gradually covers the whole volume of the room, starting with the ceiling.

3 EXPANSION

In less than an hour, several billion components reach into the deepest nooks and crannies and come into contact with any micro-organisms that are present.

4 SEDIMENTATION

Between 4h and 8h the components have sedimented.

SIMPLE & EASY-TO-USE:

A 4 STEP PROCESS

1

FLIP OVER THE TIN SEVERAL TIMES

2

OPEN THE CANISTER AND PLACE IT ON A HEAT RESISTANCE SURFACE

3

SLOWLY LIGHT THE WICK PLACE THE PERFORATED COVER ON THE TIN WHEN APPLICABLE

4

THE ACTIVE SUBSTANCE RISES UP, LEAVING THE OPERATOR TIME TO EXIT THE ROOM. IT IS PROPELLED BY A SLOW, NON-PYROTECHNIC COMBUSTION

Benefits:

Efficient:	Homogeneous dispersion & optimal particle size allowing dispersion to hard to reach zones and traces of active allow to prolong disinfecting activity.
Versatile & Cost Effective:	Ready to use, no water required & precise dose adaption according to the volume to be treated.
Reliable:	Slow and non-pyrotechnic wick, operator not required in room during process, no observed corrosion on steel and aluminium.

02/2024

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kersia®
INVENTING A **FOOD SAFE WORLD**

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Ultradiffusion

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Fumagri® HA

THE RESPONSIBLE CHOICE FOR FIGHTING SALMONELLA

PRODUCT

- Proven broad spectrum disinfectant based on Hydroxyacetic acid (HA)
- Dispersion by ULTRADIFFUSION®: Unique technology which offers uniform diffusion
- Fully compliant with EU biocidal regulations
- Dry disinfection - no water needed

Pre-Dosed tins:
16g - 40g 80g - 200g 400g - 1000g

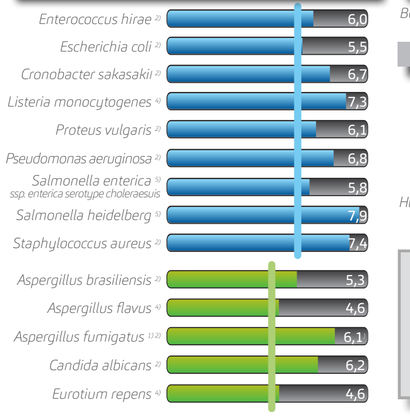
ADVANTAGES

- Proven bactericidal and fungicidal efficacy at a dose of 0.8 g/m³ and virucidal efficacy at a dose of 1.2 g/m³.
- Uniform diffusion of the disinfectant through-out the room, including hard to reach areas
- Convenient, fast and reliable application
- Slow and non-pyrotechnic wick - no human or animal present during treatment
- Versatile and cost effective
- No observed corrosion on steel and aluminium

Fumagri® HA efficacy

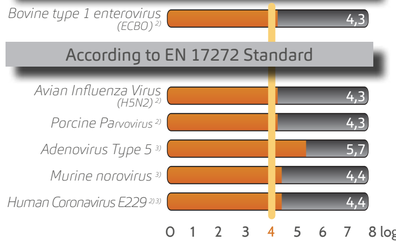
BACTERIA & FUNGUS
Dosage 0.8 g/m³ - Contact time 15 hours

According to NFT 72 281 Standard



VIRUS
Dosage 1.2 g/m³ - Contact time 15 hours

According to NFT 72 281 Standard



According to EN 17272 Standard

Required efficacy according to NFT 72 281 and EN 17272 Standard:

BACTERIA	≥ 5log
MOULDS	≥ 4log
VIRUS	≥ 4log

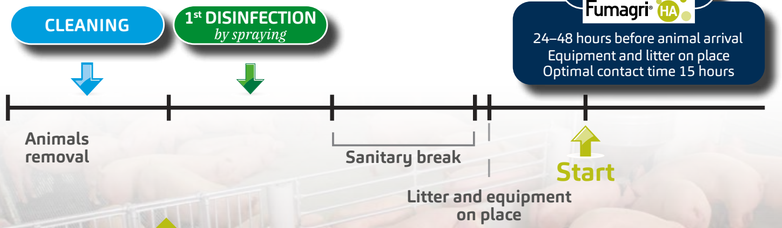
1) Effectiveness determined for 2 hours of contact time
2) In the presence of 3g/l bovine albumin (PT3 Application)
3) In the presence of 0.3g/l bovine albumin (PT4 Application)
4) Inoculum preparation (Milk at 1/20)
5) In the presence of 10g/l bovine albumin and 10g/l yeast extract

Food safety continues in your Pig Sheds

APPLICATION - PIG SHEDS

Optimal application conditions to prevent and eradicate fungal, bacterial and viral contamination:

- Temperature = 20°C *(heat sheds up to 15-20°C before treatment and stop at the time of launching disinfection)*
- Contact time : 15 hours *(optimal by night disinfection)*
- Humidity: optimal over 70% RH



Shed size m²	Shed size m³ (heights = 3m)	FUMAGRI HA Bactericidal / Fungicidal efficacy (in g / tins)	FUMAGRI HA Virucidal efficacy (in g / tins)
100 m²	300m³	0.8*300 = 240g → 1x 200g + 1x 80g tins	1.2*300 = 360g → 1x 200g + 2x 80g tins
400 m²	1200m³	0.8*1200 = 960g → 1000g tin	1.2*1200 = 1440g → 1x 1000g + 400g tins
800 m²	2400m³	0.8*2400 = 1920g → 2x 1000g tins	1.2*2400 = 2880g → 3x 1000g
1000 m²	3000m³	0.8*3000 = 2400g → 2x 1000g +400g tins	1.2*3000 = 3600g → 3x 1000g + 2x 400g tins

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Food safety continues in your Production and Storage Units

APPLICATION - SILO DESINFECTION

Type of silo
8 - 12 tonnes
Recommended tin size
Fumagri® HA 20g

- 2 days before feed loading, disinfect with Fumagri® HA
- Leave for a contact time of 15 hours
- Repeat operation between each flock
- Before disinfection, check the cleanliness of the silo

APPLICATION - DISINFECTION OF FEED MILLS

Purpose	When	Zone
Surface disinfection	After cleaning weekly or monthly depending on microbiological pressure	Mixer Press Cooler
Bacteria and moulds elimination	• Empty cell after cleaning • Systematically when heat treatment of the feed	Transporter & Storage cell
Risk prevention of enterobacteria and mycotoxin contamination	• Empty cell • Systematically when heat treatment of the feed	Trucks

Pre-Dosed tins:
20g - 40g 80g - 200g 400g - 1000g