

Stalosan[®] F

Hygiene Solutions
More than a disinfectant

Often Imitated
NEVER duplicated



Stalosan[®] F

Introduction to Stalosan F

Stalosan F is a powder bedding hygiene product, suitable for use on all types of floors and bedding. With well documented efficacy testing, which has been used in animal husbandry for over 40 years.

- A powerful drying agent
- Includes active ingredients that kill pathogens improving sanitation standards
- Reduces ammonia improving atmospheric conditions for pigs and handlers
- Based on inert materials so is safe to use in the presence of all pigs
- Provides around the clock protection and is active for up to 7 days

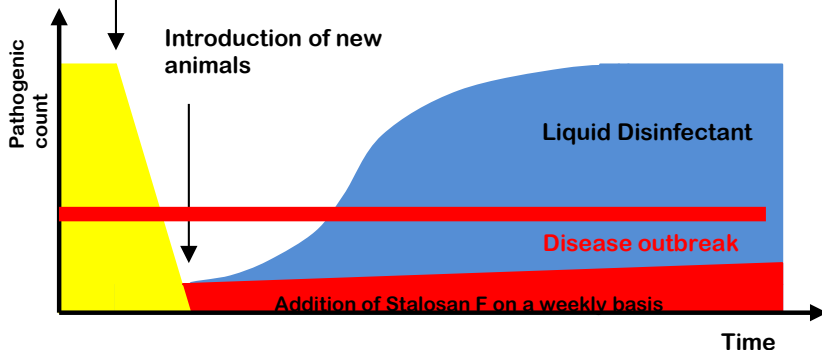
Using Stalosan F as an effective bio-security measure

Stalosan F can play an important role in the farms bio-security plans to reduce infections and increase the overall health and profitability of the herd.

Benefits of using Stalosan F once a week are:

- Increase in daily live weight gain
- Reduction in infections such as:
 - Salmonella and e. coli
 - PRRSV
 - Multi resistant bacteria
- Reduction in parasitic infections and fly infestations
- Decrease in mortality
- Improves animal housing conditions as well as the conditions for the stockmen

Cleaning and disinfection



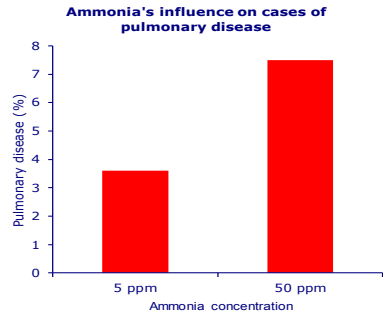


**Using Stalosan F as an effective
bio-security measure to reduce
pathogenic load and increase herd
performance**

Stalosan® F

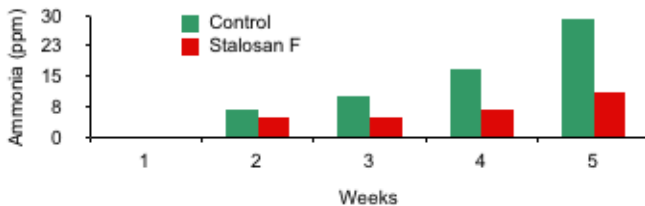
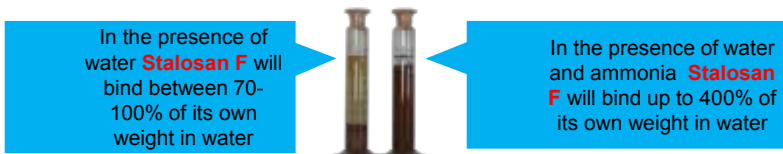
Stalosan F – Water and Ammonia binding Ammonia The Hidden Killer

5 ppm	The lowest amount you can smell
10 ppm	Reduced animal performance
50 ppm	Serious reduction in output Increased risk of pneumonia
100 ppm	Serious irritation of the mucous Potentially lethal condition



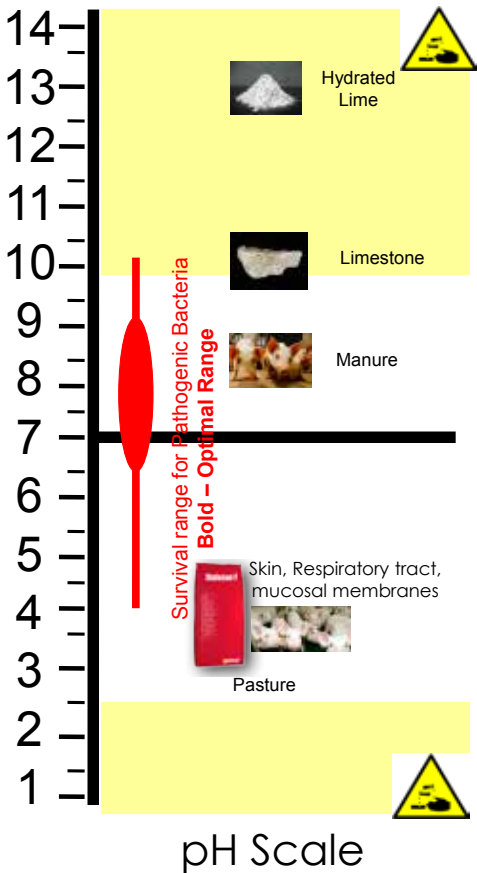
- **Stalosan F** binds chemically and neutralizes ammonia irreversibly, reducing Hydrogen Sulphate emissions
- Water binding capacity of **Stalosan F** is greatly increased, when ammonia is present.

In a typical housed situation,
water and ammonia are both present



Ammonia Trial Samples
taken from two identical sheds
Stalosan F applied once a week
at a rate of 50g/m²
with an electric blower.

Stalosan F contains acid buffers to neutralise the affects of manure. Making the environment healthier for animals and handlers alike



pH levels in the yellow zones are corrosive. Over long periods of exposure highly corrosive not only to animals but also equipment.

Pathogenic bacteria survive in a pH range of 4 – 10 with an optimal range of 7.5 to 9. Manure has a pH of approximately 8 due to the concentration of ammonia, housed animals therefore live in the perfect bacteria breeding area.

Stalosan F has a pH of 3.5 (approximately that of soil). Sitting outside the survival range of bacteria without being a corrosive acid.

Stalosan® F

Efficacy of **Stalosan F** - Bacteria and Viruses

- Kills E. Coli Bacteria
- Kills PRRSv

Time	1 min	2 min	5 min
Stalosan F	100%	83%	100%
Liquid Disinfectant	25%	17%	42%

The table shows the percentage of dead PRRS viruses with **Stalosan F** compared to a liquid disinfectant.
University of Minnesota, 2012

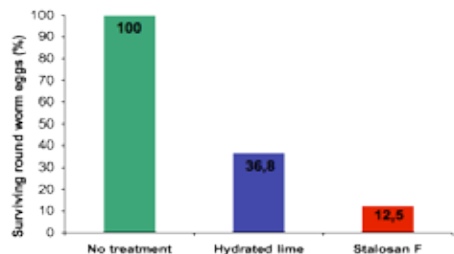
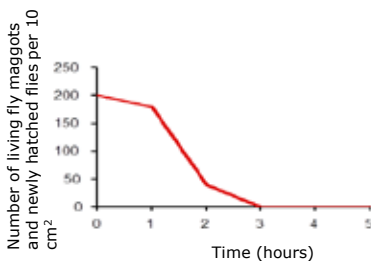
- Reduces Salmonella

Unit	No of Pigs	Salmonella Level	Start Date	Salmonella Level 1	Treatment Length
1	5000	3	January 2005	March 2005	2.5 months
2	1400	2	December 2004	February 2005	2 months
3	4000	3	July 2004	August 2004	1.5 months
4	4400	3	October 2004	January 2005	3.5 months
5	5000	3	July 2004	September 2004	2 months

Salmonella is scored on a level 1 to 4.
1 Excellent and 4 Poor. **Stalosan F** applied once a week at a rate of 50g/m².
Trial was finished when the farm scored level 1.

By J. Skodborg with the help of farmers and slaughter houses.

- **Stalosan F** penetrates the surface of the fly larvae or parasitic eggs, causing them to dehydrate and die, therefore breaking their life cycle. In addition the odour of **Stalosan F** repels the adult flies.



In the farrowing house

- Decrease Mortality
- Increase weight gain
- Decrease FCR
- Reduces Scouring
- Reduction in medication
- Reduction in Pneumonia

		No. of live piglets	No. of weaned pigs	Weaning weight (kg)	No of piglets scoured	Morbidity (%)
Farm 1	Control	248	241	7.03	15	6.04
	Stalosan F	251	246	7.27	6	2.39
Farm 2	Control	200	195	7.03	12	6.0
	Stalosan F	200	198	7.05	7	3.5

Recommended Application Rates of **Stalosan F**

We recommend if you have never used Stalosan F before you spread it day 1, 2 and 3 at 50g/m², there after as per the table below.

During continuous prophylactic treatment	50g/m ² – Once a week
During periods of high infection rate/disease levels	50g/m ² – 2 to 3 times a week

How to apply **Stalosan F**

Stalosan F can be used in many ways depending:

- By hand in small areas or problematical areas, such as near water or feed bowls.
- A handy applicator is available to make covering large areas.
- Or an electric blower for larger pens.

Where can I use **Stalosan F**

Stalosan F is safe to use in all areas of the production:

- Farrowing houses
- Weaning pens
- Fattening Pens
- Finishing pens



Stalosan[®] F

Vitfoss is a dynamic and innovative company specializing in vitamin and mineral premixes to the feed industry.

With focus on well-being and welfare we want to be the best producers of special products for animals.

With focus on health we want to be the best to create growth in the animal feedstuff production.

With focus on quality we want to be productive and adaptable team players continue development and documentation of our knowledge within animal nutrition.

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