



Stalosan[®] for cattle

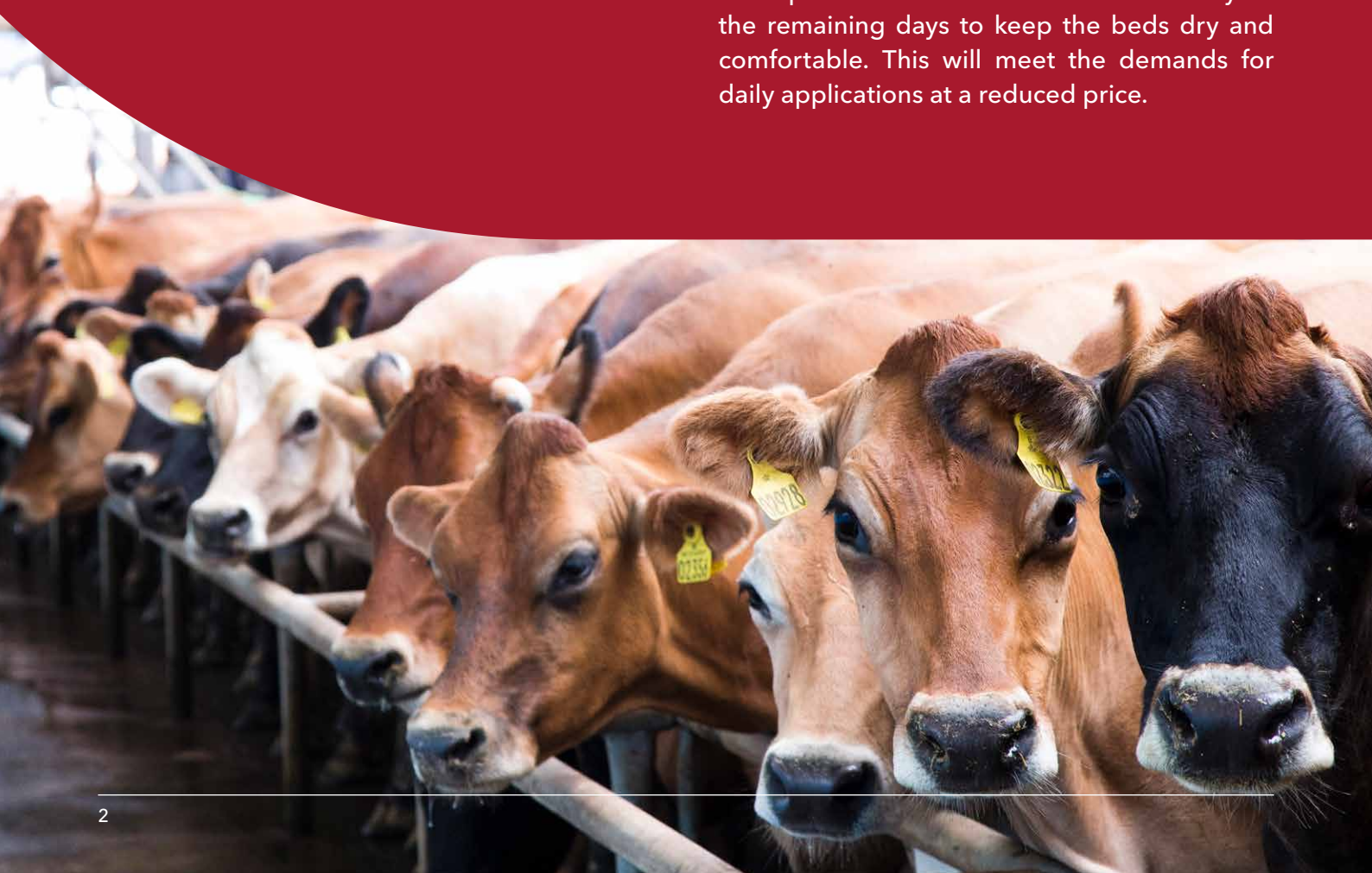
Stalosan for cattle

STALOSAN F

Stalosan F is well-known worldwide for its high efficacy profile, proven through several independent laboratory studies and farm trials. The technology of Stalosan F is based on high-priced quality ingredients and approved active biocides. Therefore, Stalosan F has become a product of choice when farmers are faced with uncontrollable infection levels in resting areas, like cow cubicles and calf boxes/hutches.

STALOSAN BASIC AND STALOSAN DRY

We also offer Stalosan Basic and Stalosan Dry in order to supply farmers with low-cost drying agents. Stalosan Basic and Stalosan Dry provide extra value compared to limestone-based products, and they follow the basic chemistry of Stalosan F in terms of absorbing moisture, lowering the pH-value and breaking down harmful waste products. Also, Stalosan Dry can be combined with Stalosan F in cow cubicles, where the scheme is to apply Stalosan F 1-2 times per week to disinfect and Stalosan Dry on the remaining days to keep the beds dry and comfortable. This will meet the demands for daily applications at a reduced price.



STALOSAN F

PROFILE

- A genuine powder biocide for resting areas like cow cubicles, and calf boxes and hutches
- Against all types of environmentally induced bacteria that causes increased somatic cell count and Mastitis
- Can be used for sore/cracked teats
- Against all bacteria, viruses and parasites that causes calf scours
- Against other infectious microorganisms that are transmitted through resting areas
- Contains high levels of mineral acids that breaks down ammonia and creates a healthier environment for the cattle
- Strengthens the skin's defence system and thereby lowers the risk of infection



USE

Cow cubicle:

- Start-up: Apply 50 g/m² of Stalosan F daily for 2-3 weeks in the rear part of the cubicle. This is recommended in order to build up product in the cubicles and induce maximum effect. Hereafter continue with 1-2 times per week at a dose of 50 g/m². Make sure to distribute the powder evenly on the surface. It is recommended to use a Stalosan Handyman for the application, since this makes a fast and evenly spread of powder with the lowest possible consumption rate.
- For cows on deep bedding, apply Stalosan F on top of the bedding in doses of 100 g/m² daily or as often as possible.

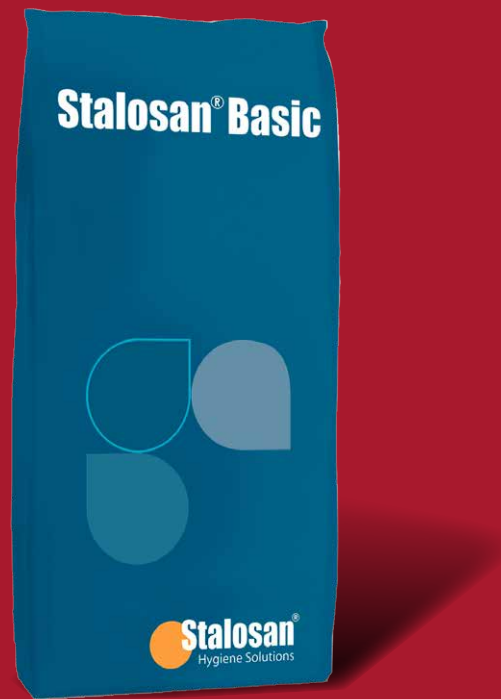
Calf boxes/stalls/huts:

- Apply Stalosan F two times per week at a dose of 100 g/m² on top of the bedding. In case of elevated levels of diarrhoea causing pathogens, add extra on top of wet spots and places with dung daily.

STALOSAN BASIC

PROFILE

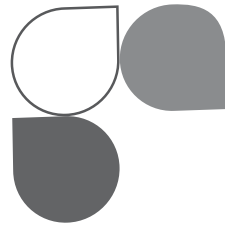
- Stalosan Basic is an acidic hygiene agent in powder form. The combination of low pH-value and strong desiccating properties gives Stalosan Basic a unique efficacy profile, that reduces the development of harmful substances in the animal environment and improves animal welfare.
- The mineral acids in Stalosan Basic prevent the breakdown of skin and thereby protect the animals from infections.
- Stalosan Basic possesses a highly active neutralisation process that breaks down ammonia.



USE

- Apply Stalosan Basic 2 times per week at a dose of 50 g/m² in the rear part of the cubicle. Make sure to distribute the powder evenly on the surface.
- Dose can be increased to daily applications in order to fit into a daily cleaning programme or if there are problems with high moisture levels.
- It is recommended to use a Stalosan Handyman for the application, since this makes a fast and evenly spread of powder with the lowest possible consumption rate.

Stalosan® Dry



Stalosan®
Hygiene Solutions

STALOSAN DRY

PROFILE

- A slightly acidic drying agent in powder form
- Contains sulphates that breaks down ammonia and creates a healthier environment for the cattle
- Has a soft structure that provides high animal comfort in cubicles.

USE

- Apply Stalosan Dry 2-7 times per week at a dose of 50-100 g/m² in the rear part of the cubicle. Make sure to distribute the powder evenly on the surface.
- It is recommended to use a Stalosan Handyman for the application, since this makes a fast and evenly spread of powder with the lowest possible consumption rate.

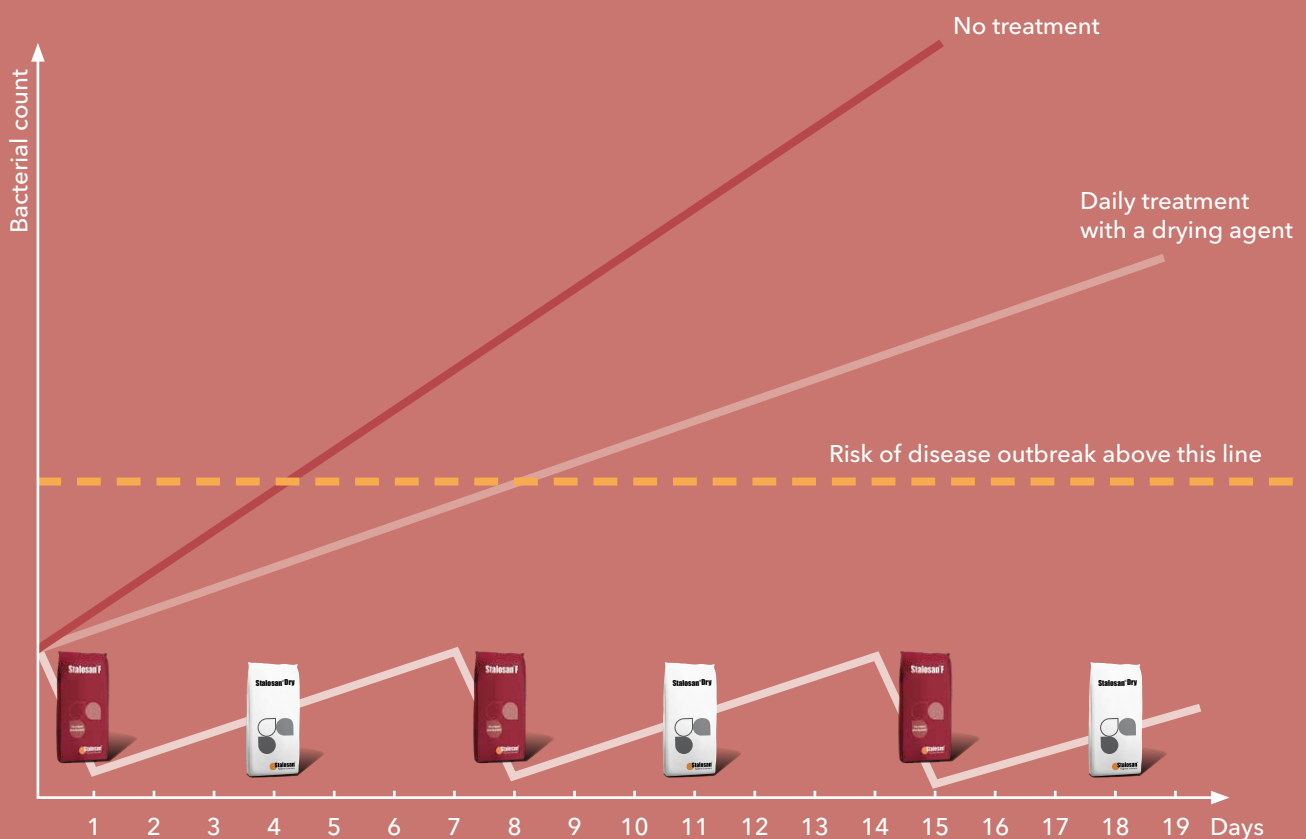
EFFECTS OF STALOSAN HYGIENE POWDER PRODUCTS

EFFECTS	STALOSAN DRY	STALOSAN BASIC	STALOSAN F
Biocidal effect	-	-	++++
Bacterial enzyme inhibition	-	-	++++
Ammonia neutralisation	+	+++	++++
Hydrogen sulphide neutralisation	++	++	++++
pH-value	6	4,5	3,5
Drying	++++	++++	++++
Application dose	100 g/m ²	50-100 g/m ²	50 g/m ²
Application rate weekly*	2	1	1

*Weekly application and dose can be increased in case of elevated moisture level and pathogenic load.

The cost-effective way of using the Stalosan products in cow cubicles

KEEP THE PATHOGENIC LEVEL LOW BY COMBINATION OF STALOSAN DRY AND F



Following the routines with daily sweeping of bedding and adding new bedding and powder in the cow cubicles, we recommend combining Stalosan F and Stalosan Dry. This is done by applying Stalosan F 1-2 times per week to



disinfect and Stalosan Dry on the remaining days to keep the beds dry and comfortable. In this way it is possible to have at least one weekly disinfection/sanitation of the cow cubicles with Stalosan F, where bacteria and other pathogens

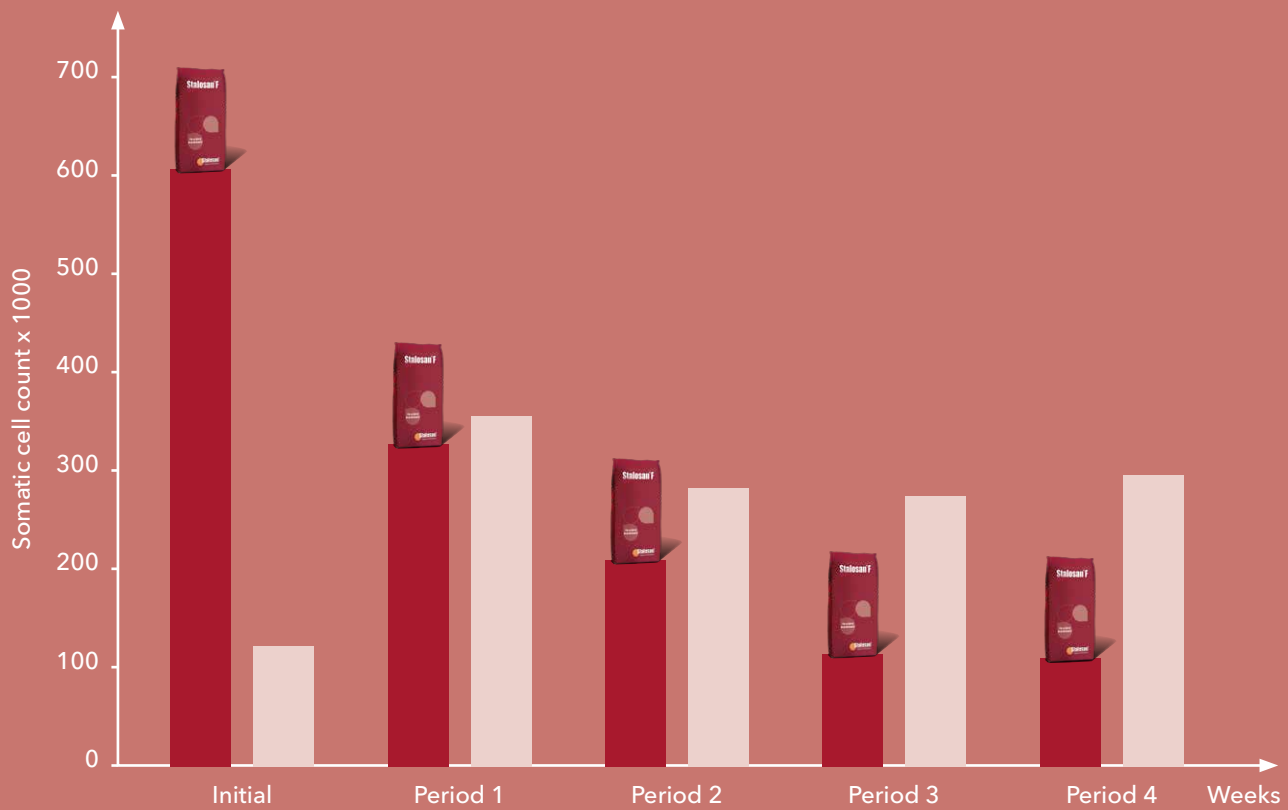
will be eliminated. On the remaining days in the week until next treatment with Stalosan F, Stalosan Dry will keep the growth of new rising bacteria low through its drying effect.



Facts and benefits in cow cubicles

- Swedish/Danish studies show that the milk yield will be increased by 4%, if the somatic cell count (SCC) is decreased from 200.000 to 100.000. At higher levels, the loss of milk yield is even higher.
- If a cow produces 10.000 kg of milk per year, then 4% extra milk corresponds to 400 kg of milk extra per year/cow. One cow uses 5,2 kg of Stalosan F per year if used twice per week at 50 g/cubicle. The 400 kg milk will have a significantly higher value compared to the cost of 5,2 kg Stalosan F.
- Studies show that regular use of Stalosan F can lower environment induced high SCC to levels around 100.000. One example is a study on a Turkish dairy farm with major problems with high SCC. Here Stalosan F was able bring the SCC from 600.000 down to just above 100.000.

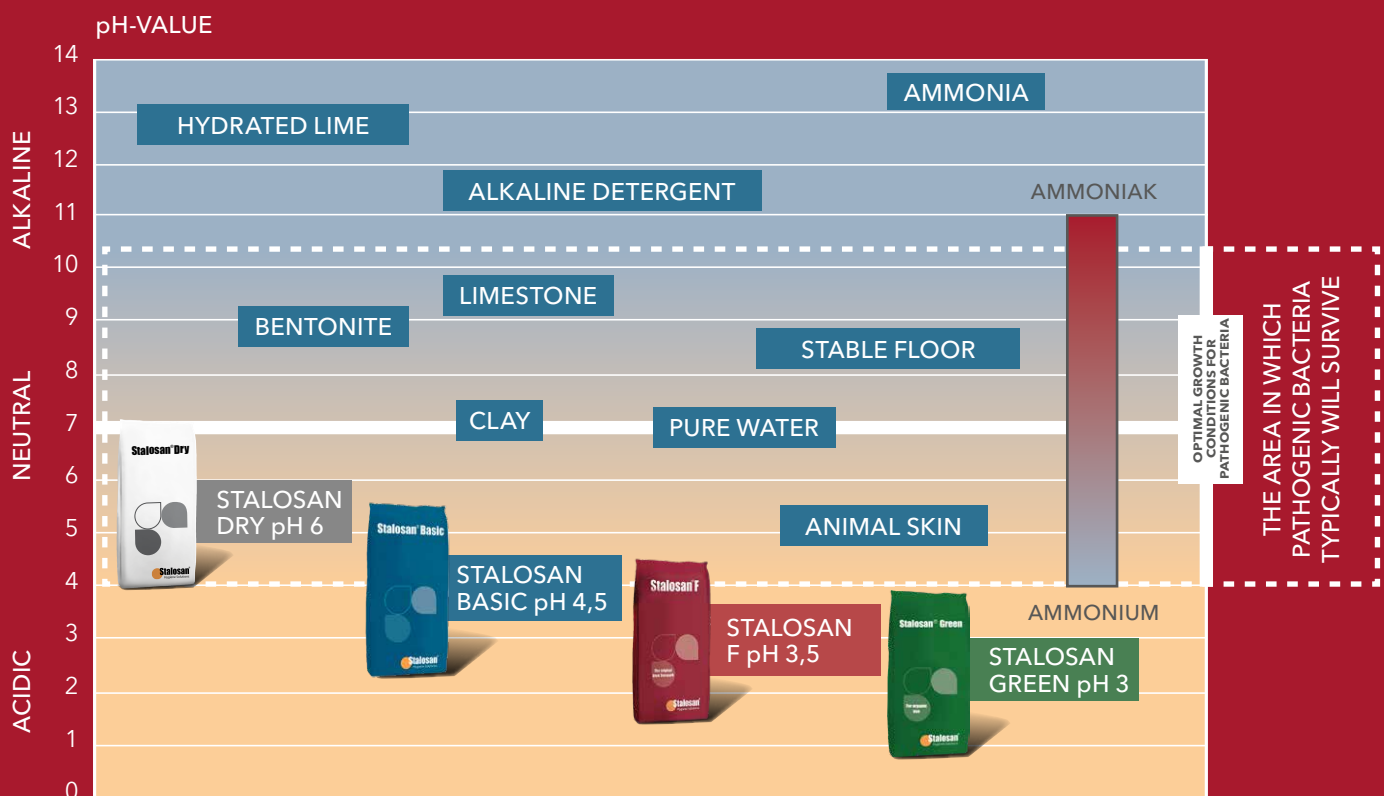
KEEP THE PATHOGENIC LEVEL LOW BY COMBINATION OF STALOSAN DRY AND F



Trial from an industrial farm of 2000 milking cows in Trakiya region, Turkey in 2012 supervised by Namik Kemal University - Tekirdag

The low pH-approach: Effective against pathogens, but gentle to the skin

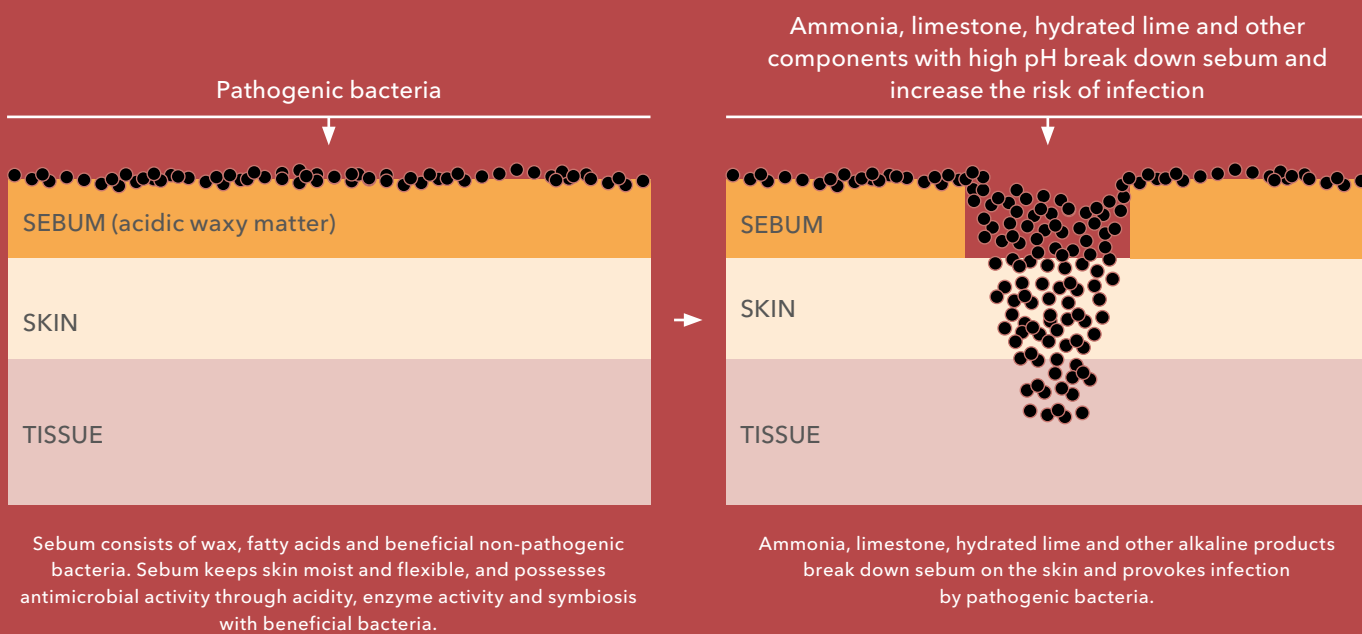
GRAPHIC SCHEME SHOWING THE PH-VALUES OF THE STALOSAN PRODUCTS, LIMESTONE AND OTHER COMMON COMPONENTS IN ANIMAL BUILDINGS



Ammonia from slurry builds up in the animal environment and generates alkaline conditions with elevated pH-values. This compromises animal skin and mucosal tissue, leading to an increased risk of infection and diseases. Stalosan neutralises ammonia and adjusts the pH-value down to the natural conditions on skin at 4,5-5,5. At this pH level, skin has a high resistance towards infections.



EFFECT OF ALKALINE PRODUCTS ON THE SKIN



Ammonia from animal waste products has a pH-value of 13. This creates an alkaline animal environment that breaks down sebum and skin, compromising the animals' defence system and increasing the risk of infection (See figure 2). Typical powder hygiene agents for resting areas are alkaline with a pH-value between 9 and 13 due to the high content of limestone or hydrated lime (See figure 3). This will compromise the skin defence system even more and is not advisable to use in animal housing.

It is crucial to counteract the high pH-value in animal facilities by using a powder bedding product with a low pH-value.

All Stalosan products are unique in composition by having a high concentration of acidic minerals with low pH-values (See figure 3). The mineral acids prevent the breakdown of skin and protect the animals.

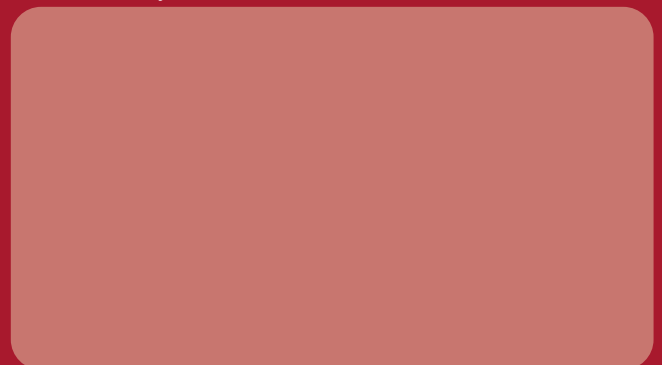
Vilofoss is one of the world's most productive, competitive, resource efficient and sustainable agricultural productions. Our knowledge and experience is obtained through work with nutrition for all animal groups in animal production for more than 80 years.

Vilofoss create value-adding solutions for the globally competitive farmer through customized farm mixes for the animal production. In addition to our vitamin- and mineral compounds we have a wide range of supplementary products, e.g. milk replacers for cows and pigs, veterinary products, welfare products, products for disinfection and other unique trouble shooters.

In Vilofoss we focus on being trustworthy, value-creating and ambitious.

Find more informations, videos, trials, ect, on www.stalosan.com

Distributed by:



VILOFOSS®

info@vilofoss.com
www.vilofoss.com