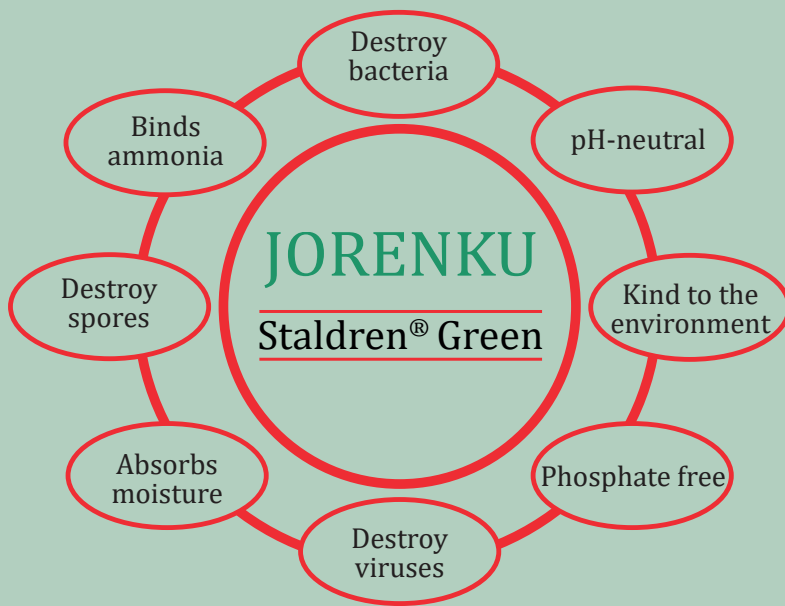


Staldren[®] Green

Staldren[®] Green for sheep and goats



JORENKU Staldren® Green



Staldren® Green is a hygiene solution in powder form, which has a very broad effect against moisture, smell, bacteria and fungal spores.

- Staldren® Green may be used in organic farming.
- Staldren® Green is a Danish product tested by recognised international laboratories.
- Staldren® Green is kind to the environment, and has a well-documented effect on the most common bacteria and fungi spores such as E-coli, salmonella, Campylobacter (see documentation on page 5 and 6).
- Staldren® Green is phosphate free and pH-neutral, meaning that it does not dissolve or loosen floors or pens, nor does it dry out the animal's thin skin, which can be susceptible to abrasions and cuts, that can lead to bacterial infection and disease. There is no need to use gloves when working with Staldren® Green.
- Staldren® Green binds ammonia to such a level, that both humans and animals can stay in the stable without obnoxious smell or shortness of breath.
- Staldren® Green absorbs moisture and is particularly useful in high humidity.
- Staldren® Green disinfects and cleans the environment, reduces the level of infection, and therefore ensures healthier animals.
- Staldren® Green can be used for all animals and is necessary in professional organic farmers.

When using Staldren® Green continuously, the best results are achieved by reducing the level of infection and thereby create a healthy environment for the benefit of both animals and humans.

Staldren® Green raises a minimum of dust, is easy to spread and gives a pleasant smell in the stable.

Staldren® Green is available in bags of 10 kg, 15 kg and 25 kg, as well as on pallets with 10, 20, 40 or 66 bags.

JORENKU Staldren® Equipment



Staldren® Ladle

The Staldren® Ladle is for manual spreading of Staldren® Green on smaller areas. The ladle's flat underside makes it easy to shovel Staldren® Green directly from the bag. The double fixation of the handle makes it stable.



Staldren® Spreading Bucket

The Staldren® Spreading Bucket is for manual spreading of Staldren® Green. It can contain approx. 5 kg and is suited for smaller stables. From the nozzles you get a fine dosage by turning the bucket from side to side.



Staldren® Vink Spreader

The Staldren® Vink Spreader is a mill that can contain approx. 10 kg. The mill is powered by a battery-powered drill and carried around with a shoulder strap.



Staldren® Motor Blower

The Staldren® Motor Blower is petrol-powered, supplied with a regulator to control the amount of Staldren® Green, carried on the bag and used for dry and wet disinfection. It is suitable for fog disinfection.



Staldren® Spreading Wagon

The Staldren® Spreading Wagon is a manually pushed battery-powered wagon. It contains 50 kg Staldren® Green. It is delivered complete with loading device.



Staldren® Projet

The Staldren® Projet is a spreader mounted on the back of a tractor. It consists of a painted steel frame and a polyethylene tank.



JORENKU Staldren® Green



Staldren® Green for sheep and goats

- Staldren® Green may be used in organic farming
- Staldren® Green reduces the bacteria level
- Staldren® Green reduces the fungi level
- Staldren® Green binds ammonia



When using Staldren® Green for sheep and goats, the following is recommended:

Lambing box: Clean the lambing area and add Staldren® Green all over the floor - a handful (50-100g) per m² - to make sure that the entire floor area is covered. Then cover with bedding material and then again Staldren® Green with a handful (50-100g) per m². Make sure the it is spread well into the corners and edges to ensure the flies eggs and larvae will be dried out. Staldren® Green is spread out between each lambing, to make sure that the newborn lamb/kid gets the best possible start in life.

In deep straw: Add a handful of Staldren® Green (50-100g) per m² on the entire floor area before the straw is spread out. Then apply Staldren® Green again once the straw is in place. When using Staldren® Green continuously, you achieve the best results by reducing the level of infection and thereby create a healthy and pleasant-smelling environment for the benefit of both animals and humans.

JORENKU Staldren® Green



**Staldren® Green
on the job**



JORENKU Staldren® Green

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Attachment 9 to certificate of analysis Test nr. DKE 016078-06 and 0074-06

Method:

4g Staldren® Green is dissolved in a 5 ml physiological Natrium Chloride solution. The solution of Staldren® Green and a control without Staldren® Green (9 ml. physiological saltwater) has been inoculated with each of 1 ml bacteria or fungus suspension. The mixtures are kept aerobt/anaerobt/mikroaerofilt depending on the atmospherically demands. The solutions are kept at room temperature. The amounts of bacteria are decided after 1 hour and 2 days.

Result	Staldren® Green		Control without Staldren® Green	
	1 hour	2 days	1 hour	2 days
E. coli 0157	<10 CFU/ml	<10 CFU/ml	140 Mio. CFU/ml	>200 Mio. CFU/ml
Aspergillus niger ATCC 16406	<100 CFU/ml	<100 CFU/ml	150.000 CFU/ml	500.000 CFU/ml
Clostridium perfringens ATCC 13124	<100 CFU/ml	<10 CFU/ml	20 Mio. CFU/ml	1,9 Mio. CFU/ml
Streptococcus uberis ATCC 9927	<10 CFU/ml	<10 CFU/ml	43 Mio. CFU/ml	1,9 Mio. CFU/ml
Salmonella typhimurium ATCC 25241	<10 CFU/ml	<10 CFU/ml	>10 Mia. CFU/ml	>1 Mia. CFU/ml
Staphylococcus aureus ATCC 25923	<10 CFU/ml	<10 CFU/ml	100 Mio. CFU/ml	1, 2 Mia. CFU/m
Streptococcus suis serovar nr. 7	<10 CFU/ml	10 CFU/ml	1.500 CFU/ml	6 Mio. CFU/ml
C ampylobacter jejuni ATCC 29428	<10 CFU/ml	<10 CFU/ml	6 Mio. CFU/ml	>10 Mio. CFU/ml
Klebsiella pneumoniae	40 CFU/ml	40 CFU/ml	4,2 Mio. CFU/ml	36 Mio. CFU/ml

JORENKU Staldren® Green



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Test report

Method: Submersion – weighing before and after
Test date: 04-10-2013
Sampler: Ove Christoffersen (laboratory technician)

Ability to absorb:

A sample is taken by weighing. By extraction approx. 5g of Staldren® Green is weighed. The sample is submersed in water in a "tea bag". The sample has been in the water for 24 hours, after which it is hung for draining for 15 minutes. The sample is then weighed again. The absorbed weight is calculated by offsetting the amount of water in the bag and the weight of the bag is deducted.

The measurement has been performed three times.

Subject/test	Weight before submersion	Weight after submersion	% suction capability
Test 1	6.016 grams	20.951 grams	348 %
Test 2	5.099 grams	18.005 grams	353 %
Test 3	5.405 grams	18.952 grams	351 %

Conclusion:

Average of 3 measurements: the suction capability is approx. 3,5 times the net weight. The product absorbs a great deal of water.



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