

# DEOSAN®

## HH+



The footbath solution leading the fight against Lameness

Lameness is one of the biggest animal welfare challenges Dairy Farmers face.

It's a stubborn challenge. At any one time - according to the European Commission - as many as 20-25% of a dairy herd can be lame. It's a total figure that shows no sign of diminishing, having been consistently resistant to change over the last twenty-years.

In the same period, you have become ever more committed to the welfare of your animals. It's a commitment that can be increasingly difficult to fulfil when presented day-to-day with lame animals visibly in discomfort and pain. Lameness ignites a negative chain that leads to reduced fertility, disturbed resting and feeding patterns in the affected animals. This result is a reduction in your total milk yield and output from your herd.

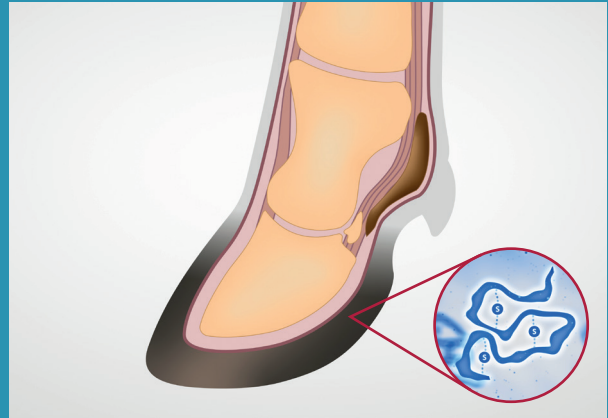
With losses to lameness averaging 2% of milk revenue, there is a direct link from welfare to return, highlighting the need for a truly effective solution.



## Why is lameness so prevalent?

The majority of cases involving lameness are due to disease of the hoof. Infection begins when an animal's defences are challenged. Urine weakens the Keratin in the hoof.

Keratin is a water soluble protein. It provides the structure and strength to the hoof through interconnected sulphur - or 'S' - bridges. The greater number of these; the greater the strength of the hoof. However, ammonia in the urine breaks these down which routinely weakens the structure to allow infection in.



## The search for a sustainable solution

Walk-through footbaths, designed to limit bacterial infection and to harden the hooves have been the standard approach to reducing lameness. However, until now the available solutions employed have been anything but sustainable.

Many of the preventative solutions on the market are seemingly at odds with concepts of animal welfare and environmental protection. The development of sustainability is also a strong factor driving the search for an appropriate and effective solution.



## Deosan HH+

### Cost-efficient and safe



There is a better way, to boost hoof hardness and promote animal welfare simultaneously.

HH+, from Deosan, is a brand new type of lameness treatment for cattle. It's proven to prevent hoof degradation using safer and more cost effective methods than existing solutions.

Based on a unique formulation, the treatment supports the reversal of the hoof degradation process, but being completely water soluble, reduces its environmental impact significantly. HH+ directly improves the strength and structure of the hoof, without and nerve impact, meaning that the cow is no longer tricked into thinking she's not lame.

## HH+, from Deosan;



ANIMAL  
WELFARE

- Boosts natural prevention from use of a strong mineral acid that supports reversal of the hoof degradation process
- Optimises hoof hardness in a safe way that does not trick the animal into thinking they are free from pain
- Inert nature, supporting the durability and ongoing efficacy of the product in heavily soiled footbaths
- Proven, with rigorous trial results that demonstrate and measure its hoof hardening properties
- Used regularly on thousands of cows in premium European Dairy markets



CASH  
EFFICIENCY

- Offers a more cost effective and efficient solution



SUSTAINABILITY

- 100% water-soluble significantly reducing any of its environmental impact

## Prevention and protection combined

Deosan HH+ is a powerful, effective and sustainable solution that places the welfare of the animal at the heart of lameness treatment. It's not just a fall-back; or a reactive option. Its strong minimal acid also protects the animal from further degradation over time.

Deosan HH+ delivers a strong defence against hoof infection, leading to a happier herd, and ultimately a better quality end product.



“ Through extensive trials on thousands of cows in European markets, Deosan’s HH+ is a solution that can be relied upon to survive the rigours of the real world, remaining effective even under heavy soiling. ”



ANIMAL  
WELFARE



CASH  
EFFICIENCY



SUSTAINABILITY

Visit [www.diversey.com/deosan](http://www.diversey.com/deosan) for more information or contact your Deosan representative





Diversey's purpose is to protect and care for people every day. Diversey has been, and always will be, a pioneer and facilitator for life. We constantly deliver revolutionary cleaning and hygiene technologies that provide total confidence to our customers across all of our global sectors, including: cleaning products, systems and services that efficiently integrate chemicals, machines and sustainability programs. This makes us unique among leading global hygiene and cleaning companies. Everything we do has our customers' needs at its heart and is based on the belief that cleaning and hygiene are life essentials. With over 95 years of expertise, we safeguard our customers' businesses, contributing to productivity improvements, lower total operating costs and brand protection.

Diversey is headquartered in Fort Mill, SC, USA.  
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