



The natural way to maximise  
the value of slurry



- ▲ Slurry quality
- ▲ Environment
- ▲ Ease of handling



# WHY USE A SLURRY TREATMENT

## 1 - In slatted housing

A dairy cow will produce approx. 65 litres of slurry a day which if it undergoes a negative fermentation can lead to the development of undesirable bacteria, odours and gas emission that can negatively impact animal behaviour. A slurry treatment will promote a positive fermentation reducing the impact of the slurry on the animals.



## 2 - During storage

On most farms the slurry, parlour washings and other waste water goes into the same storage tank. If untreated there is potential for a negative fermentation leading to quality losses in the slurry that reduce its fertiliser value.

## 4 - Field application

Slurry that has been treated will have higher non volatile nitrogen contents reducing the nitrogen losses from gas emission and the production of bad odours during spreading. Treated slurry will also be incorporated into the soil more rapidly reducing the risk of forage contamination.

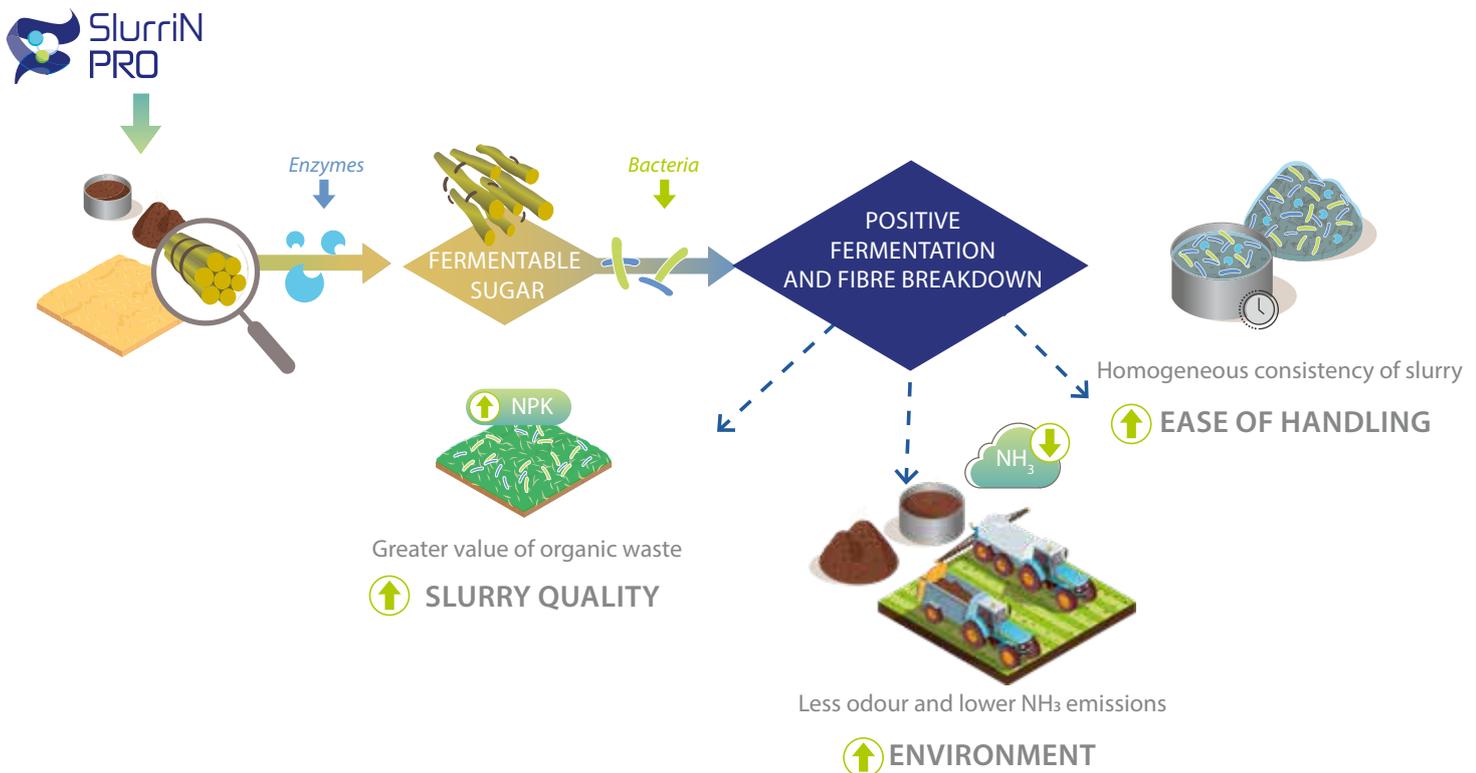
## 3 - When handling slurry

Untreated slurry is prone to sedimentation and the formation of a crust. This makes the slurry more time consuming to handle as it requires more mixing. Slurry that has been treated with bacteria and enzymes is less prone to sedimentation and crusting which improves the flowability of the slurry and makes it easier to handle.



Enzyme and bacterial complex that promotes the development of beneficial micro-organisms in slurry

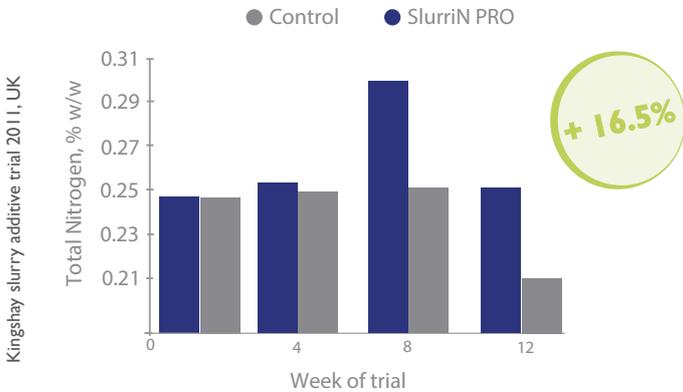
## MODE OF ACTION



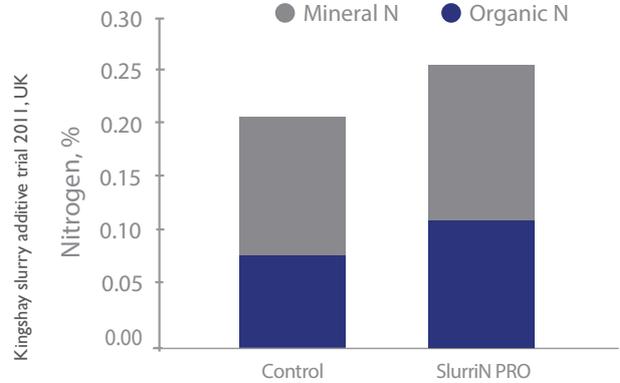
# RESULTS AND BENEFITS

## ▲ Slurry quality

### ● Increase total nitrogen



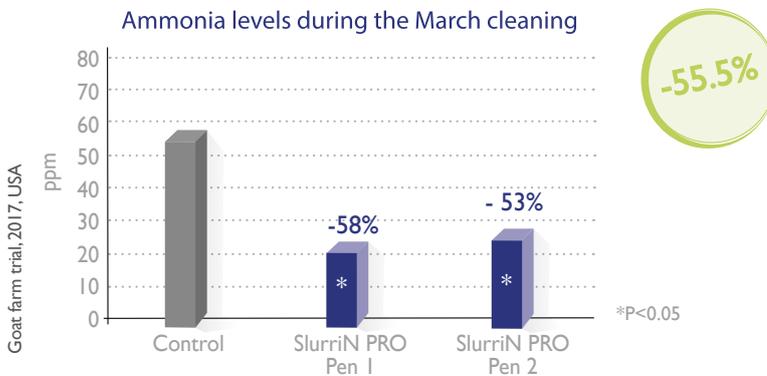
### ● Organic V mineral nitrogen



- ▶ Treated slurry has a higher N value which could be worth 400g (£0.38)/ tonne fw
- ▶ Increased organic N = increased rapidly plant available N
- ▶ Increased mineral N in slurry = Cost saving on artificial N

## ▲ Environment

### ● Reduction of odours and gaseous emissions in the building (i.e. NH<sub>3</sub>)



### Farmer Testimonial Phil Brooke



“Adding SlurriN PRO has made a big difference to our slurry handling. We need to be able to get slurry out quickly as soon as the NVZ window opens and timeliness is essential in an organic system.”

“We can now agitate the entire lagoon from a single point in just 20 minutes which is saving a lot of time and money. There is far less crusting, the slurry is far more consistent and holds in suspension better.”

Reduction in handling time costs =

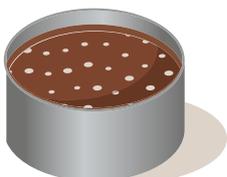


## ▲ Ease of handling

### ● Improvement of slurry management

- ⬇ Volume
- ⬆ Homogeneity
- ⬇ Slurry solids
- ⬇ Odours
- ⬆ Fibre breakdown

- ▶ Improved handleability
- ▶ Reduction in crusting
- ▶ Time and money saving





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## MODE OF APPLICATION



SlurriN PRO is an enzyme and bacterial complex for slurry treatment.

Recommended application rate 1 sachet treats 200,000 litres or 44,000 gallons of slurry (equivalent to 1 month's worth of slurry from 100 dairy cows)

Mix the sachet powder in 10 litres or more of clean, non-treated water at ambient temperature and aim to distribute it evenly into the liquid fraction of the slurry. For optimum results run stirrer until fully mixed but only if safe to do so for both animals and operator.

Starter dose: Calculate the amount of slurry in the store and apply enough SlurriN PRO to treat the slurry in the store plus one month worth of newly produced slurry.

Maintenance dose: Calculate the amount of slurry produced per month and apply enough SlurriN PRO at the start of the month.

## PACKAGING

SlurriN PRO is produced by LALLEMAND according to very rigorous quality control standards.

The product is packaged in a 1kg aluminum sachet to guarantee the shelf life.

SlurriN PRO can be kept for 24 months from date of manufacture when kept enclosed in its original unopened packaging in a cool and dry place.

The use of protective gloves is recommended to handle SlurriN PRO.

Lallemand Animal Nutrition is committed to optimizing animal performance and well-being with specific natural microbial product and service solutions. Using sound science, proven results and knowledge, Lallemand Animal Nutrition develops, manufactures and markets high value yeast and bacteria products - including probiotics, silage inoculants and yeast derivatives. Lallemand offers a higher level of expertise, leadership and industry commitment with long-term and profitable solutions to move our partners Forward.

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