

Teagasc Research

Moorepark conducted trials Jan - Feb 2010/2011 which showed that milking cows bedded with White Rhino had lower bacteria counts and infection levels compared to cows bedded with standard cubicle limestone.

Results:

By the end of the 5 week trial, milking cows bedded with hydrated lime showed 50% less staphylococcal and 45% less streptococcal bacteria than those bedded with cubicle lime (limestone).

These were similar results to the 2010 Moorepark dry cow study. Hydrated lime can be successfully used as cubicle bedding when used at 170g per cubicle with iodine or chlorhexidine based teat dip.

The cost saving benefit of using hydrated lime*

- Mastitis costs average milk supplier: €60 per cow (O' Brien, 2008)
- Therefore the cost of a hundred cow herd is €6,000 per year
- The cost of using hydrated lime for 150 days (winter period) for a hundred cow herd is €450
- Cost saving benefit: €6000 - €450 = €5550 extra profit

*Cost worked out using a price of €175 for a ton of agri hydrated lime

Pat O'Connor



Pat is milking 70 spring calving cows on the Kerry/Limerick border, supplying Fealesbridge Co-op. Calving starts on the 1st of February and the cows are dried off mid - to late November.

"I started using White Rhino Hydrated Lime 8 years ago. Due to the wet nature of some of my land cows can be housed until the end of April so it is essential that calved cows indoors are as clean as possible. Good cubicle hygiene is very important. I found the product dramatically reduced my SCC and I had no mastitis last year. I'd recommend White Rhino to any farmer as it's a great labour saver, cheap and effective."

Prevention is better and cheaper than cure

Available from co-ops & builders merchants nationwide.

Local Stockist:

Contact one of our advisors today in Carlow for further info:

Tel: 059 9131811
office@clogrennane.ie
www.irishlime.ie



NATURAL STRENGTH OF LIME

Hydrated Lime
Proven by Teagasc Research



Tried and trusted by Irish farmers for generations

Advantages of both White Rhino Hydrated Lime products:

- Protects herd from disease and infection
- High pH deactivates most pathogens
- Reduces infections in cows prior to calving and ewes prior to lambing
- Reduces lameness in housed ewes
- Reduces disease and infections in calf houses
- Hydrated lime provides maximum absorption
- Additional value of slurry as a source of lime when spreading
- No sediment build up in tanks unlike other limestone products

Method of use in cubicles:

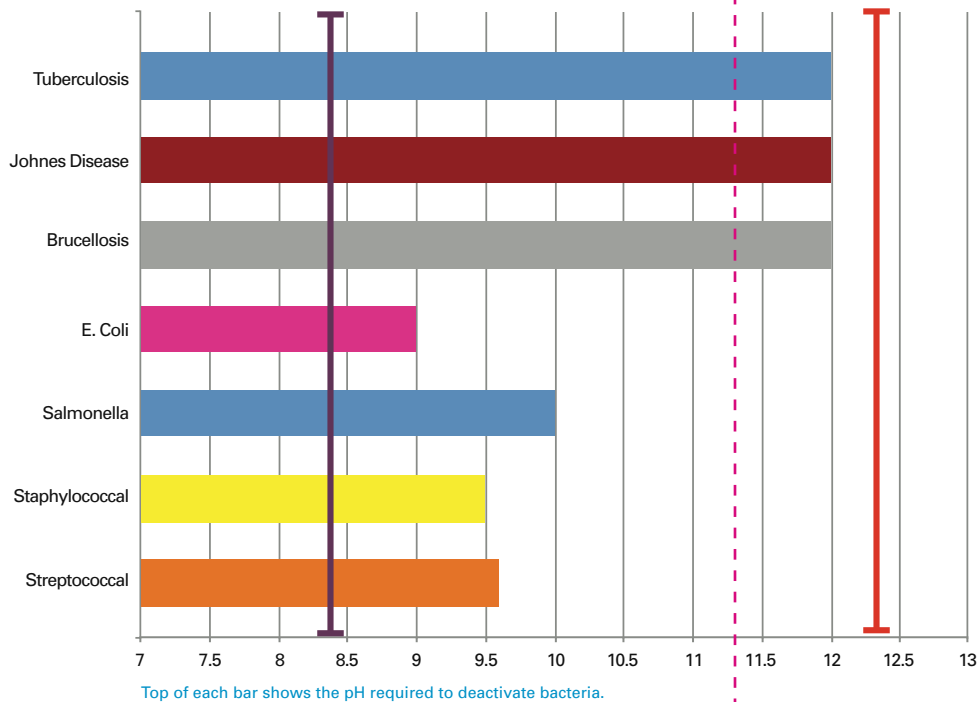
- Ensure cubicles are cleaned prior to application
- Dust the back third of cubicle with hydrated lime twice daily
- **Recommended 170g maximum per cubicle per application**

Other uses:

- Dust loose houses prior to bedding
- Dust calf houses/calving boxes prior to bedding
- Apply as whitewash to walls
- Dust sheep sheds prior to bedding



Scientific Facts



Effectiveness of Hydrated Lime versus Cubicle Limestone*

I Cubicle Limestone pH = 8.3 which deactivates **none** of the bacteria shown

I White Rhino Hydrated Lime pH = 12.35 which deactivates **all** of the bacteria shown

*Cubicle Limestone is often called cubicle lime

- Hydrated lime absorbs 15 times more moisture than cubicle limestone
- White Rhino products will not burn cows if used at the recommended rate of 170g per cubicle

Now a
Registered
Disinfectant

- The bar chart shows that White Rhino Hydrated Lime will deactivate pathogens giving your herd extra protection.
- The pH for basic cubicle lime (limestone) is too low to deactivate these pathogens.

Hydrated Lime differs from cubicle lime (limestone) because it has been processed in a lime kiln and hydrator.

Refer to Clogrennane Lime Ltd. for the source of information

Product Range

Agri Hydrated Lime

1 ton. Agri Hydrated Bag (Low dust content)



Standard Building Grade

25kg Bag (Suitable for use in cubicles)



(Both products are manufactured in Carlow)