

Slurry Treatment



Ingredients:

MicroZyme R is a biological product which reduces solids and controls odor of ruminant waste stored in lagoons and other holding pits. This product should be used as part of a complete waste management program.

Available in 1000g pots



Directions:

Treatment should start as soon as the lagoon begins to fill and should be continued on a regular basis. Do NOT apply **MicroZyme R** to lagoons that are nearly full unless long term storage is intended.

Initial Treatment:
2 x 1000 grams.

Subsequent Treatments:
2 x 1000 grams / 250 cows / month
(Consult your Volac Rep for a customized treatment schedule).

For all applications, mix the total amount of **MicroZyme R** with 10 times the volume of water and then add to passage scrapings or pump into the lagoon.

Storage:

This product contains viable bacteria and microbial enzymes. For maximum shelf life store in a cool, dry place in original packaging. Use within 12 months of manufacture.

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Animal Nutrition



MicroZyme R

SLURRY IMPROVER



Keep the value
ADVANCED SLURRY TREATMENT



ABOUT VOLAC

Volac is dedicated to developing cutting-edge product-based agricultural solutions and species-specific programs designed to improve animal health and performance.

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MicroZyme R

SLURRY IMPROVER

Make the most of your slurry. MicroZyme R is a biological product for use in the reduction of solids, odor control and nitrogen retention in stored liquid ruminant manure. Containing a unique blend of bacteria strains and enzymes specifically selected for their capability to break down fiber, starch, pectins, fats, and protein residues within ruminant slurry over a wide range of temperatures. The cocktail of concentrated degradative enzymes included ensure that the additive begins working the moment it is added.

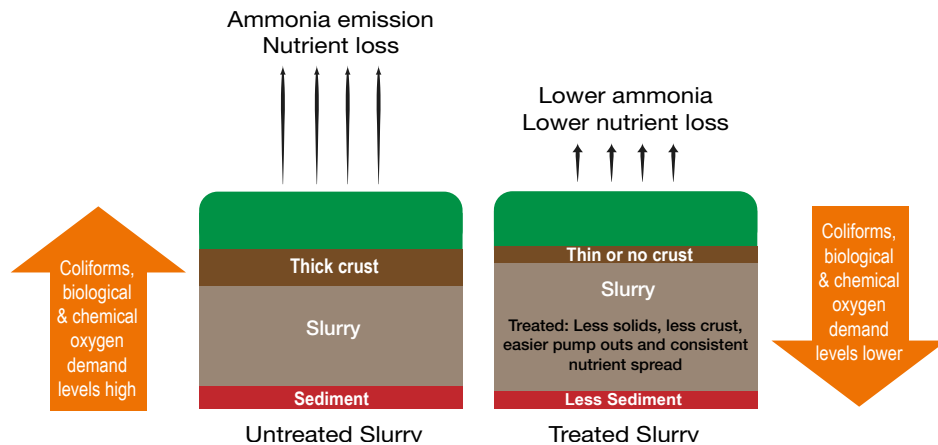
MicroZyme R protects the nutrient value and makes it easier to manage.

Decreases Solids

- Less time stirring, fewer blockages
- Quicker pump outs, less diesel used
- Less cost to spread
- Easier injecting or drilling
- Reduction in surface run off risk
- Reduces crust formation

Storage Benefits

- Reducing odor and ammonia emissions
- Less separation after mixing and a more consistent slurry
- Lower harmful emissions that can affect livestock and operators
- Less sediment, faster and easier emptying



Slurry Treatment



Nutrient Saving

Liquid manure is a good source of fertilizer due to its high content of nitrogen, phosphorus and potassium. Treating slurry with **MicroZyme** helps retain the nutrient value, reducing the need for bought in fertilizers.

- Accelerates the degradation of organic waste material.
- Improves plant uptake, allowing slurry to be applied to multi-cut systems
- Provides consistent nutritive value from start to finish.

Reduces Harmful Emissions

The unique blend of specifically selected bacteria and enzymes degrade the organic waste material, thereby reducing ammonia levels.

- A lower ammonia level is important when complying with air quality regulations, reducing the environmental impact of livestock production.
- Reduced ammonia emissions help preserve nitrogen content and nutrient value of the manure, thus optimizing its value as a fertilizer.

Trialed and Tested

MicroZyme has been proven to reduce valuable nitrogen losses in dairy slurry, and to reduce crust formation, as well as lower sulfide and lower ammonia levels.

Trials have also shown that **MicroZyme** considerably lowers levels of coliforms and *E.coli* in slurry. Biological Oxygen Demand (BOD) and Chemical Oxygen Demand (COD) are also lower.

