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BIO-SYSTEMS



MicroZyme R

SLURRY IMPROVER



Keep the value

ADVANCED SLURRY TREATMENT

MicroZyme R

SLURRY IMPROVER

Make the most of your slurry. MicroZyme R is a biological product for use in the reduction of solids, odour control and nitrogen retention in stored liquid ruminant manure. Containing an unique blend of bacteria strains specifically selected for their capability to breakdown fibre, 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.

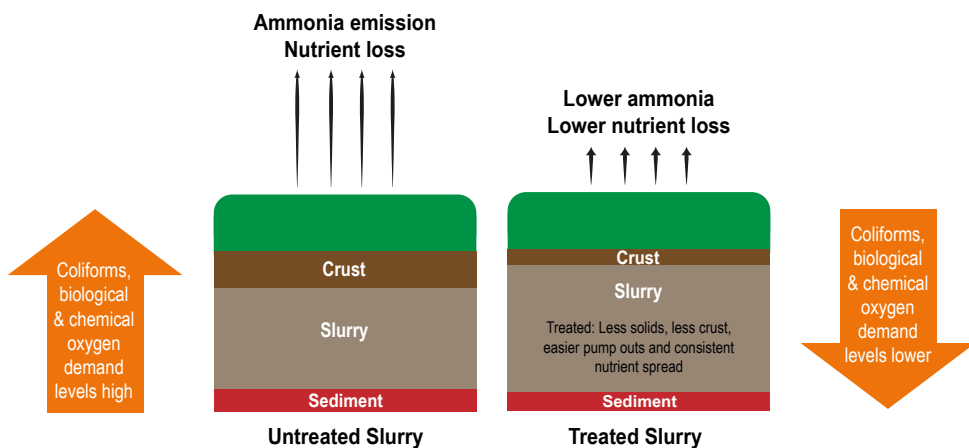
MicroZyme R protects the nutrient value and makes it easier to manage.

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 thick crust formation

Storage Benefits

- Thin crust keeps a natural lid on the slurry, reducing odour 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





Nutrient Saving

Liquid manure is a good source of fertiliser 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 fertilisers.

- **MicroZyme** accelerates the degradation of organic waste material
- **MicroZyme** 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 odour level is helpful near residential areas
- Reduced ammonia emissions help preserve nitrogen content and nutrient value of the manure, thus optimising its value as a fertiliser, as well as reducing the environmental impact of livestock production

Trial results on MicroZyme has shown that it considerably lowers levels of coliforms and *E.coli* in slurry. Biological Oxygen Demand (BOD) and Chemical Oxygen Demand (COD) are also lower.

High levels of *E.coli* and coliforms in slurry are associated with increased public health risk if used on land to grow crops for human consumption. BOD and COD are chemical indicators of odour, used as a surrogate of the degree of organic pollution in water. The higher the value of BOD and COD, the more polluted the water and the higher the production of noxious gases.



Slurry Treatment



Ingredients:

MicroZyme R is a biological product which reduces solids and controls odour 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 400g & 1kg 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.

Initially for lagoons that are 1/4 - 1/2 full, add 2 x 400g units of **MicroZyme R**. Thereafter add 1 x 400g of **MicroZyme R** per week to lagoons containing less than 500,000 litres of total volume and 2 x 400g per week to lagoons containing more than 500,000 litres. Alternatively add 1 x 400g unit to the lagoon per 100 cows per week of storage. 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.

ABOUT MICRON BIO-SYSTEMS

Micron Bio-Systems 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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