

NITROSLURRY

SLURRY MANAGEMENT MADE EASIER

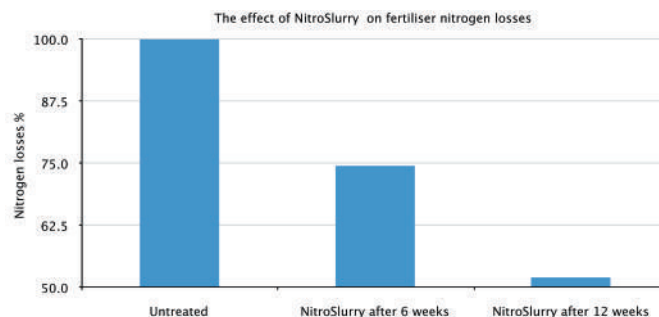
✓ NitroSlurry accelerates the breakdown of animal waste and plant fibre in the slurry

✓ Slows down crust building and reduces pipe blockages

✓ Retains increased levels of nitrogen compared to untreated

✓ Reduces odour

NitroSlurry – THE BENEFITS



Fertiliser nitrogen loss in untreated slurry is up to double that of NitroSlurry treated slurry

Caution – Slurry can omit poisonous gases
Always take extreme precaution when in the vicinity of slurry

Available
from your
local
distributor

NITROSLURRY



An Additive to
Accelerate the Breakdown
of Organic Material



NITROSLURRY

A bacteriological-enzymatic product that accelerates the breakdown of organic material in slurry and manure

NitroSlurry – KEY BENEFITS

- ✓ Reduces crust formation
- ✓ Accelerates the breakdown of organic material
- ✓ Clears blockages in pipes and equipment
- ✓ Considerably reduces bad smells
- ✓ Reduces ammonium levels and nitrogen loss
- ✓ Improved performance noticed because the amount of ammonia-N in the air of sheds is reduced.

NitroSlurry ACTIVE INGREDIENTS

A concentrate of nature's waste treatment agents:

Anaerobic bacteria

The necessary micro organisms for the digestion of organic matter in the absence of air

Aerobic bacteria

The necessary micro organisms for the digestion of organic matter in the presence of air

A concentrate of nature's waste treatment agents:

Powerful enzyme mixture
 Amylases - to degrade undigested carbohydrates
 Proteases - to degrade undigested proteins
 Lipases - to degrade undigested lipids
 Cellulases - to degrade plant fibres
 Also contains hemicellulase, pentosanase and betaglucanase
 Activators - protect and enhance enzyme activity in the slurry and ensure even distribution and fast action after application

Selected bacteria to degrade organic waste fast

Bacillus subtilis
 Bacillus licheniformis
 Bacillus amyloliquefaciens
 Bacillus megaterium
 Bacillus pumilus

Temperature ranges for growth:

Bacillus subtilis: 15-45°C
 Bacillus licheniformis: 30-55°C
 Bacillus amyloliquefaciens: 15-45°C
 Bacillus megaterium: 5-40°C
 Bacillus pumilus: 10-40°C
 All strains grow in the pH range 5.0-9.0
 All strains produce amylase, protease and lipase
 All strains assimilate ammonia-N either by production of glutamate dehydrogenase or by glutamine synthetase and glutamate synthetase

NitroSlurry – FEATURES

- Free flowing powder
- Neutral colour and smell
- Packed in 100g quantities in alufoil sachets

NitroSlurry – DOSAGE AND USAGE

- NitroSlurry is usually applied when the slurry tank has been emptied
- One 100gram sachet will treat the slurry of 20 cows, 30 beef cattle or 40 weanlings for a four month winter
- Dissolve in warm water not exceeding 40 °C in a bucket and leave to rest for 20-30 minutes
- For large storage systems stir and add as much water as possible to dilute and spread or mix NitroSlurry over the tank or store surfaces
- Apply via a reception tank of the main tank where possible
- For lagoons spread as evenly as possible and agitate if possible.
- For tanks under slatted floors add to water and pour through the slats.

NB! The tank should be re-seeded with NitroSlurry each time slurry is removed

