

Southern Ambition 919 cc

Reg.No. CK2005/176432/23
Vat No: 4650237151

Farm Grootkrantz, Lindley, Free State
P O Box 108 Lindley 9630, Free State
Cell Debbie: +27 82 905 7573
Cell Ken: +27 82 902 3652
Email: debbie@grootkrantz.co.za
Email: ken@grootkrantz.co.za
Web: www.grootkrantz.co.za

SUNDEWZYME

Cleaner Greener Smarter

Sundewzyme is a proprietary blend of superior aerobic and anaerobic bacteria selected for their ability to degrade organic waste.

The product contains both aerobic and anaerobic bacteria in equal proportions and hence can be used in many different application.

APPEARANCE: Light brown, low dusting powder on a cereal/salt base.

SOLUBILITY: > 80% in H₂O

SPECIFICATIONS:

Aerobic bacteria	: not less than 8 x 10 ⁸ /g
Anaerobic bacteria	: not less than 7,8 x 10 ⁸ /g
Heavy metals	: less than 50 ppm
Aflatoxins	: absent
Antibiotic activity	: absent
E. coli	: absent in 0.1g

OPERATING CONDITIONS:

pH Optimum : 5,0 – 8,5

Temperature tolerance : Up to 50°C

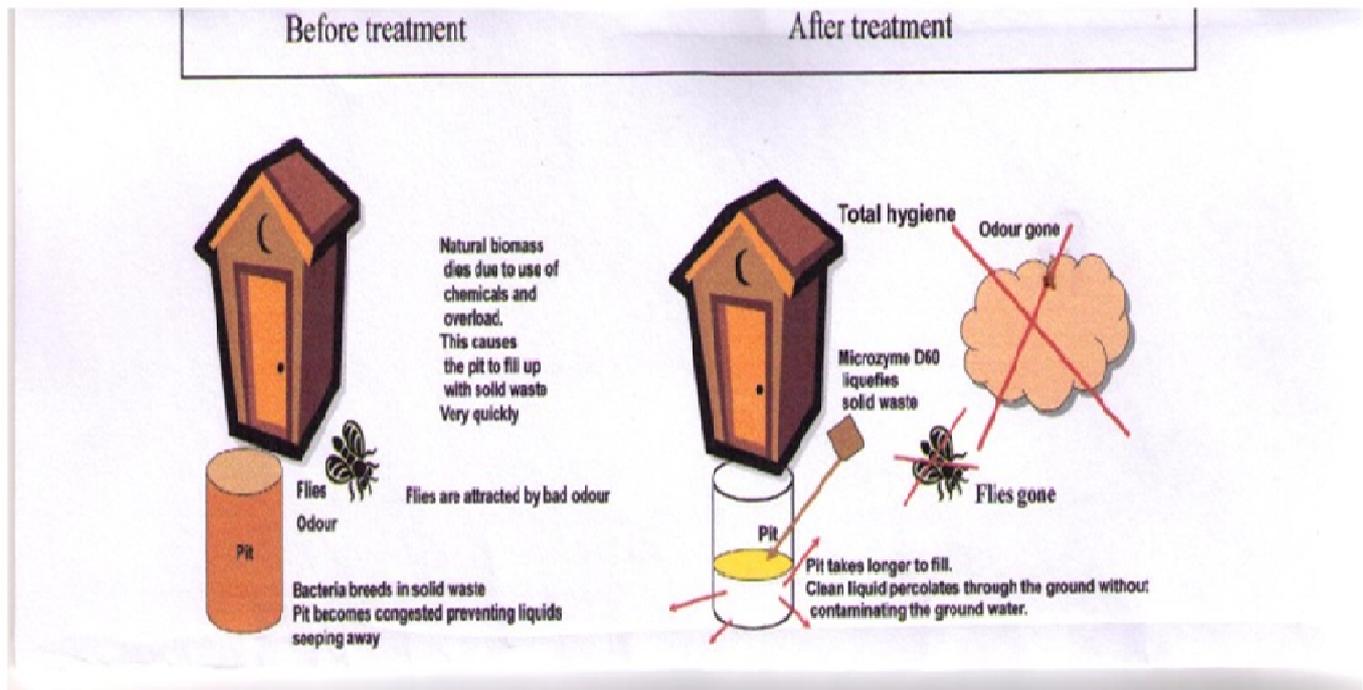
Effluent with a pH outside this range should be pre-treated with a suitable acid or lime prior to dosing with Sundewzyme.

APPLICATIONS:

Each application must be carefully study prior to dosing to establish the appropriate dosage regime.

The following dosages are merely a guideline.

Dosage Guidelines	Initial Dosage	Maintenance Dosage
Septic Tanks (pit Toilets/grease traps)	100g per week for 1 month	100g per month
Poultry waste	1gm per kg of waste	
Industrial Effluent (eg: abattoir)	1% for 3 days (w/w)	0,3% per day (w/w)
Agricultural Waste	4% once off (w/w)	1% weekly (w/w)
- Trickling filter	0,1% once off (w/w)	0.05% weekly (w/w)
- Anaerobic Digester	1% for 3 days (w/w)	1% weekly (w/w)
- Oxidation Pond	1% for 3 days (w/w)	1% weekly (w/w)
- Activated Sludge	1% for 3 days (w/w)	1% weekly (w/w)



INACTIVATION OF SUNDEWZYME:

Common cleaning agents containing chlorine (bleaches) and quaternary ammonium compounds (disinfectants) etc. can have a detrimental effect on the product. Neutralisation of these inhibitors is necessary before treatment with Sundewzyme.

PRODUCT:

Availability:

Sundewzyme is available in 1kg, 5kg & 25kg bags.

Safety Precautions:

Sundewzyme is an environmentally friendly, safe-to-use product that contains a non-GMO strain of *Bacillus Subtilis* spore and various Enzymes derived from this organism, for example Bacterial A-Amylase and Proteases.

No product specific certification is provided for however the strain for the active ingredients is non-pathogenic and the Enzymes are produced by standard fermentation techniques and confirm to Generally Recognised As Safe (GRAS) status and have FDA/WHO and FCC recommended standards. In the event of an accidental spillage was the affected area with copious amounts of water.

Storage:

To maintain maximum activity of the enzymes and the viability of the bacteria, Sundewzyme should be stored under cool & dry conditions i.e.: <25°C.