

# BIO SLUDGE BUSTER



Breakdown of Organic Material

Clears Blockages & Reduces Bad Odours & Flies



# HYDRA

## Features & Advantages

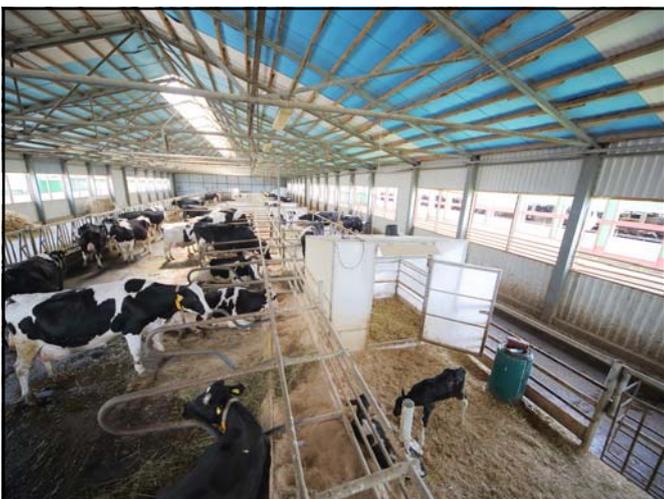
- ◆ A biological activator that **boosts sludge digestion** process through molecular metabolism of organic waste.
- ◆ **Liquefies the solid build ups**, crusting and caked farm sewerage, making it easier for the soluble material to apply on crops.
- ◆ **Easier emptying of the pits** once the solid crust is dissolved and suppressed.
- ◆ Faster breakdown of organic material results in **reduction of harmful gases and flies**, making the **pits cleaner and safer to manage**.
- ◆ Reduces harmful gases (**ammonium levels**).
- ◆ Breaks down and recovers organic material (accelerates the natural process).
- ◆ Easy **emptying of the pits** for easy application on crops.
- ◆ Prevents blinding screens and reduces bad odours & flies.
- ◆ **Bacteria / Enzyme Treatment** - Farm wastes liquefies farm sewerage & compacted feed.

## Description



Organic waste is made up of carbohydrates, proteins, fatty materials and fibres, which solidify making it difficult to liquefy and reduce them.

These insoluble solids and suspensions are particularly difficult to break down. As a result, the solid build up and cake must be liquefied outside the



bacterial cells and through the action of enzymes segregated by special bacteria.

Bio Sludge Buster is a mixture of aerobic and anaerobic bacteria necessary for the molecular metabolism of the organic waste. It works as a biological activator that breaks down the residual



organic matter by enzymatic means. In essence, a biological chain reaction begins that can continue until all the organic material has disappeared.

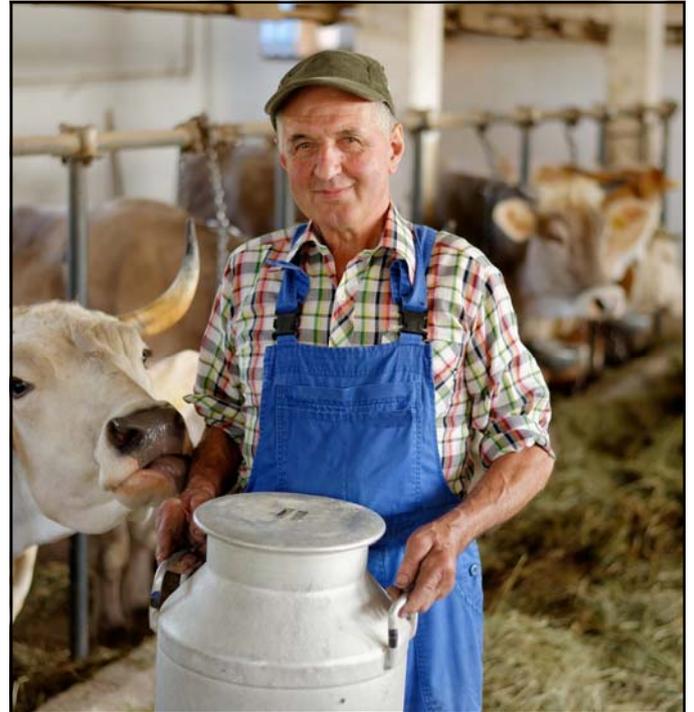
Bio Sludge Buster effectively treats farm animal waste by accelerating the natural decomposition process of the organic waste that has solidified making the degradation process difficult.

## Description

The product includes just the right kind of bacteria and enzymes combination that induces a biological chain reaction in accumulated sewage sludge/farm waste.

**Bio Sludge Buster** is an ideal combination of salts, humectants, enzymes and bacteria that increase the enzymatic activity through increasing the contact between the waste material and enzymes.

Once the chain reaction for farm wastes treatment has set in it continues until all sludge waste is reduced or liquefied.



**Bio Sludge Buster** is a powerful farm wastes treatment product containing chosen aerobic and anaerobic bacteria with suitable enzymes to accelerate the natural process of breaking down of organic waste, farm sewerage and compacted feed.

It has a calcium carbonate base which vastly increases the surface area for bacteria to colonise. As bacteria divide they secrete a bio-slime which enables them to stick to each other whilst building up colonies this enables the whole biological process to accelerate giving quicker organic matter breakdown.

## How To Use

### SLURRY WASTE

1 kilo **Hydra Bio Sludge Buster** per 50 m<sup>3</sup> of slurry/waste.

This dose is recommended as a first load, repeat dosing to be applied every 25 days.

The doses are by way of guidelines, as in each case it is necessary to consider the characteristics of each pit or drain, as well as the volumes.

Simply apply **Hydra Bio Sludge Buster** to the slurry pit and leave to activate

For large storage systems stir, spread or mix over the tank surfaces.

Temperature enhances the action of Bio Sludge Buster provided it does not exceed 40 °C.

The lower the temperature, the lower the speed with which the waste is broken down.

### ANIMAL EFFLUENT IN SOIL

**Hydra Bio Sludge Buster** can also be use in animal pens and enclosures where urine and faeces are often highly concentrated in the soil.

This high concentration leads to flies and strong smells especially during the summer months.

Effluent tends to have an acidic pH, because **Hydra Bio Sludge Buster** contains calcium carbonate it brings the acidic pH back to neutral, this enables the beneficial bacteria to thrive.

Spread over the area to be treated and mix into the soil if possible, 1 kilo treats 10 sq. metres, retreat monthly if necessary.

Harmless to animals and wildlife.

# Hydra

## Research & Development



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