DIGESTER BIOGAS BOOSTER

Active Ingredients	*Bacillus* bacteria
Concentration	*1 Billion CFU/g*
Physical Properties	*From: Powder* *Colour: Off White* *Odourless*
Packaging	***Bulk: 25kg bucket***
Storage and Handling	*Dry and cool* *Keep container closed tighly when not in use*
Shelf Life	*2 years*

DOSING

Digester Bio Gas Booster is supplied in 25kg pack size as standard.
The dosage point is flexible but must be as close to the start of the system as possible. For example, with the feed substrate or injected into the line feeding the main digester.
Success has been reported by forming a slurry with the effluent in a separate tank and using this to dose the system.
We recommend at a minimum dose of 0.01% the volume of dry weight entering the system.
A loading dose of 0.01% of the estimated total dry weight present within the digester should be delivered initially before regular dosing proceeds. For optimal results, dose on a regular or continual basis at the recommended dosage of 0.01% dry matter.

Bio Gas Booster is a granulated powder that is dosed directly into the system. Designed to stimulate, bolster and improve the efficiency of the anaerobic digestion process, therefore increasing biogas production and reducing sludge volume. The diverse metabolic capability of Bacillus allow use in a wide range of reactor configurations and organic substrates.

APPLICATIONS

Sludge fed systems.
Agricultural waste fed systems.
Slurry fed systems.
Food and municipal fed systems.
Landfill Leachate systems.
One or two phase configurations.
Other complex configurations.

FEATURES

Bio Gas Booster combines a novel mineral carrier with bacillus bio augmentation to provide a dual physiochemical and biological response.
The carrier acts to bolster the most sensitive microbial components of the anaerobic digestion process; the methanogens and acetogens. Whereas the Bacillus acts to provide a hydrolytic boost to assist in the greater degradation and turnover of polymeric compounds such as proteins, carbohydrates and fats.
Through this synergy, our product can increase the amount of methane produced, decrease the final sludge volume and help to bolster the system it is dosed into, enhancing stability and overall productivity.
Digester Bio Gas Booster contains Bacillus microbes that operate over a wide range of pH values and temperatures, to degrade a range of polymeric compounds found in sludge such as proteins, polysaccharides and fats. This helps to liquefy sludge, making substrates bioavailable for further degradation and subsequent methane generation providing the operator with a versatile tool for a diverse range of reactor configurations and feed types present across different industries. The Bacillus strains in the product are also known for their plant growth promoting properties and have the potential to improve the value of d1gestate and sludge destined for agricultural uses.

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