



BACTÉRIOMÉTHA®

MARCEL MÉZY TECHNOLOGIES®

Increased methane production
Improved digestion process

Bactériométha® is an additive for methanation substrates containing natural minerals and a selection of natural plants composted with spontaneous micro-organisms selected on the composts from Marcel Mézy® technologies.

PERFORMANCE AND MODE OF ACTION

Bactériométha® acts throughout the different stages of the transformation process of the organic matter and in accordance with different modes of action. As such, combining it with substrates enables better accessibility for organic matter during the initial phases of biogas production. It also enables a **significant reduction of losses of elements**, through leaching or gas emanation, from manure and slurry and during storage of substrates in pits or on concrete. It also **boosts the release, stabilisation and balance** of the digestion process.

TECHNICAL AND TECHNOLOGICAL BENEFITS

- **Increased methane production thanks to improved:**
 - Accessibility to organic matter with better breakdown of fibres
 - Improved digestion process in digester
 - Homogeneity and mixing of substrates in the digester
 - Absorption in the piles of organic matter of the recirculation juices (creation of humic acids)
- **Improved overall profitability of farming operations through:**
 - A reduction in floating layers, optimised mixing and a resulting lower consumption of energy used for agitation
 - Fibrous substrates that are easier to handle meaning easier to introduce into digesters and less wear for feeders
- **Significant reduction in odours prior to methanation by trapping nitrogen and carbon in substrates while still in the sheds with cattle and during storage**

FINANCIAL BENEFITS

- **Increased production of biogas and thereby electricity-related income**
- **Reduced agitation-related energy consumption**
- **Potential savings in raw materials**

Since 1999, Sobac has featured in the guide "Product design and the environment, 90 examples of eco-design" by the French Agency for the Environment and Energy Management (ADEME), the only agricultural product to be featured.

Marcel Mézy® Technologies are developed by Mezagri - www.marcel-mezy-environnement.com - and marketed by Sobac - ZA - 12740 LIOUJAS – France - Tel.: +33 (0)5 65 46 63 30 - contact@sobac.fr - www.sobac.fr

GENERAL INFO: Dose = 2 kg to 0.5 kg of Bactériométha® per m3 of substrate entering the digester

APPLICATIONS

INCORPORATION FOR VARIOUS TYPES OF SYSTEMS AND SUBSTRATES:

DRY ANAEROBIC DIGESTOR:

Manure: the dose of Bactériométha® must be incorporated directly into litters. This will be added, in accordance with instruction from your technical sales rep for your system, at least 15 days prior to cleaning out.

Other Energy crops, other waste stored on concrete, etc.: the dose of Bactériométha® must be incorporated when mixing the ration at least 24 to 48 hours before introducing it into the digester.

NB: if Bactériométha® cannot be incorporated into these substrates, we will then have to overdose the manure entering in the ration in order to take into account those other substrates. .

WET ANAEROBIC DIGESTOR WITH 80% OR MORE LIQUID SUBSTRATES:

for this type of system we recommend using Bactériométha® Tout Liquid (see related product info sheet).

WET ANAEROBIC DIGESTOR:

Manure: the dose of Bactériométha® must be incorporated directly into litters. This will be added, in accordance with instruction from your technical sales rep for your system, at least 15 days prior to cleaning out.

Other Energy crops, other waste stored on concrete, etc.: the dose of Bactériométha® must be incorporated into substrates at least 15 days before introduction into the digester.

NB: if Bactériométha® cannot be incorporated into these substrates, we will then have to overdose the manure entering in the ration or, if applicable, using Bactériométha® Tout Liquide (see product info sheet).

Fat, pulp or other heavy waste materials stored in tanks: the dose of Bactériométha® must be incorporated between 1 week and 15 days before being added to the digester.

SPECIAL CASES:

Using Bactériométha® also helps improve the atmosphere inside livestock buildings and has a positive effect on the animals' health; if this effect is desired, the following should be implemented:

Poultry farming: application of Bactériométha® up to 1 kg per m3 in the 10 days after the arrival of the animals

Pig farming: application of Bactériométha® after entry of animals at least 15 days after disinfection up to 10% of the dose

Bovine farming: application of the dose of Bactériométha® in two parts: 0.25 kg per m3 on the first bedding and the remainder of the dose before cleaning out

PRECAUTIONS: DO NOT MIX WITH DISINFECTANTS: superphosphate, quicklime, etc.
If disinfection has been carried out, wait 15 days before adding Bactériométha®.



Take a look at the experiences of your fellow colleagues as well as opinions of scientists and vets at www.sobac.fr

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