



# MBL FARM

Bacterial powder additive for the treatment of litter and for the fluidization of wastewater in the storage tanks of cattle and bigs

## DESCRIPTION

**MBL FARM** is a biological activator in powder, composed of a mixture of spore-forming bacterial strains, which is used to metabolize bovine and swine manure (solid and liquid) and the superficial crust that forms on the surface of the accumulation tanks of the same manure.

**MBL FARM** liquefies and degrades all types of organic matter, performing a synergistic action on the maturation of the manure. By strongly attenuating unpleasant odors and stimulating biological nitrification, it reduces the concentration of ammonia and its fumes.

**MBL FARM** keeps the litter dry and compact, eliminates bad odor, maintaining a healthier environment and extends the changeover times of the litter, allowing a considerable saving both in terms of work and in economic terms.

The use of **MBL FARM** contributes to reducing the environmental impact in agro-livestock farms, contributing to the hygiene of the environments, as well as improving the living conditions of the animals and the working conditions of the operators.

## ADVANTAGES

- In the tank, it transforms the sewage from rotting to decomposed, dissolves the superficial crusts and helps keep the sediments fluid
- It largely reduces all the reduced forms of sulfur and, consequently, the corrosion in the plants
- Drastic reduction of odors and ammonia fumes
- Can be used in both aerobic and anaerobic environments
- Increases comfort, improves the growth performance of animals, increasing their health and productivity
- Significant reduction of flies
- It is suitable for organic farming
- It stimulates the colonization of the beneficial bacteria in the barn environment, which help maintain a healthy balance
- The treated litter undergoes an increase in its transformation and maturation speed, by correctly regulating the nitrogen cycle and increasing its fertilizing properties

## INSTRUCTIONS FOR USE

### Dosage in Animal Bedding and Cubicles:

Use the powder product as it is, spreading it evenly, by broadcasting.

Activation dosage: apply 10 gr./m<sup>2</sup> of **MBL FARM**

Weekly maintenance dosage: add 5 gr / m<sup>2</sup> of **MBL FARM** to reinvigorate the initial microbial load. Apply the product preferentially in the most humid areas.



### **Dosage in the Floors (without the presence of the litter):**

Dilute 1Kg of **MBL FARM** in 15/20 liters of warm water, adding 1Kg of dejection, possibly blow in air and shake the mixture for 2-3 hours before application.

Dose from 300 to 500 ml of solution for every m<sup>2</sup> of flooring (not disinfected) twice a week.

### **Dosage on the Grilled, Drainage Socket, Drainage Channels and Relaunch Tanks:**

Dilute 1Kg of **MBL FARM** in 15/20 liters of warm water, adding 1Kg of dejection, possibly blow in air and shake the mixture for 2-3 hours before application.

Dose daily from 100 to 200 ml of solution on the grating, vents, channels or directly into the collection tank for each m<sup>3</sup> of slurry produced by the farm.

### **Dosage on surface encrustation:**

Dilute 1Kg of **MBL FARM** in 15/20 liters of warm water, adding 1Kg of dejection, possibly blow in air and shake the mixture for 2-3 hours before application.

Water the diluted mixture on the encrustations to be dissolved in the ratio of 1 lt. per m<sup>2</sup> of encrustation surface.

Repeat the application weekly for 2 or 3 times according to the thickness of the encrustation.

Use with a pH between 5.5 and 9.5 and with an ambient temperature between +6 and +45°C.

Apply the product evenly in the system or on the surfaces to be treated, replicating the maintenance treatment regularly.

## PROPERTIES

- **Physical aspect:** light brown powder
- **Odour:** perceptible
- **Heat stability:** excellent
- **pH range:** 6.5-8.0
- **Solubility in water:** complete
- **Bacterial concentration (C.f.u.\*):** 1 x 10<sup>9</sup> gr. \* colony-forming units
- **Enzyme production:** lipase / protease / amylase / cellulase
- **Chemotaxis:** positive
- **Metabolism:** facultative anaerobic and aerobic
- **Specific weight:** 1070 gr / lt approximately
- **Bacterial pool:** stabilized spores, of the genus Bacillus, natural (not G.M.O.)

## PACKAGING

1, 5 and 20 kilo plastic pails with measuring cup with a capacity of 50 grams

## STORAGE AND HANDLING

36 months (if properly stored, in closed containers). Store in a cool place away from light and heat sources.

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## NOTICE TO USERS

The data shown in this technical data sheet have been prepared to the best of our knowledge and describe the indicative average characteristics of the product. This information does not constitute a sales specification. Product intended for professional use only. For information on transport and handling, see the safety data sheet.