



# MBL FARM 300

Bacterial additive in powder form,  
for the treatment of litter and for the fluidification  
of wastewater in the storage tanks

## DESCRIPTION

**MBL FARM 300** is a biological activator in powder form, composed of a mixture of beneficial microorganisms in spore form and enzymes.

Beneficial microorganisms trigger a metabolizing activity of the organic substance, in this way, the organic mass, instead of undergoing a putrefaction process, will be partially transformed into humus.

This process will lead to a reduction in emissions of harmful gases (particularly ammonia) and bad smells.

The litter will thus be kept dry and compact, and it will therefore be possible to extend the litter replacement times, allowing for considerable savings in terms of both work and money.

It will also promote the colonization of beneficial bacteria in the environment, which will naturally counteract the development of pathogenic bacteria, thus improving the hygiene and health level of the litter and animal well-being.

The use of **MBL FARM 300** 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.

**MBL FARM 300** can also be used to metabolise bovine and swine dejections (solid and liquid) in storage tanks, as well as the superficial crust that forms on their surface.

## ADVANTAGES

- It stimulates the colonization of the beneficial bacteria in the barn environment, which help maintain a healthy balance
- Reduces litter moisture
- Drastic reduction of odors and ammonia fumes
- It largely reduces all the reduced forms of sulfur and, consequently, the corrosion in the plants
- Creates a more comfortable environment by encouraging the removal of flies and insects
- Increases comfort, improves the growth performance of animals, increasing their health and productivity
- In the tank, it transforms the sewage from rotting to decomposed, dissolves the superficial crusts and helps keep the sediments fluid
- Can be used in both aerobic and anaerobic environments
- It is suitable for organic farming

## INSTRUCTIONS FOR USE

### Dosage in Animal Bedding and Cubicles:

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

Activation dosage: Mix for every 100 lt. of litter (straw, shavings, leaves, chaff, husk, etc.) 150 - 300 gr. by **MBL FARM 300**.

Weekly maintenance: add 90 - 150 gr / m<sup>2</sup> of **MBL FARM 300** 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 3Kg of **MBL FARM 300** 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 900 to 1.500 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 3Kg of **MBL FARM 300** 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 300 to 600 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 300** 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.

## **CONDITIONS FOR USE**

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
- **pH range:** 7,0 – 7,5
- **Specific weight:** 0,5 – 0,61 gr / lt approximately
- **Nutritional content:** organic nutrients and stimulants
- **Bacterial concentration (C.f.u.\*):** 300 million/gr. \* colony-forming units
- **Bacterial pool:** stabilized spores, of the genus Bacillus, natural (not G.M.O.)
- **Bacteria pool classification:** group 1 according to Legislative Decree no. 81/08

## **PACKAGING**

18 kg. bag.

## **STORAGE AND HANDLING**

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

**Kemper S.r.l.**

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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 datasheet.