

VITROFURAL®



DIRECTION FOR USE

COMPOSITION: For 100 gram:

- ❖ Furvine 30 gram
- ❖ Excipient c.s.

TYPE OF FORMULATION: Powder

ACTION: Bactericidal of wide spectrum and fungicide

INDICATIONS: Inhibitor of the microbial contamination for means of farming used in the production of vitro plants that replaces the process of sterilization with autoclave.

RECOMMENDED CONCENTRATION: 116 mg/L of VITROFURAL® , meaning 35 mg/L of active principle

CONSERVATION: Be stored protected from the light and the moisture

PRESENTATION: Packing of 10 bottles of 6 g/unit

POISONING: Cases have not been brought.

The means of farming must be prepared bearing in mind the following instructions:

1. Rubbing of the bottles of farming and lids.

This operation is realized washing bottles and lids with abundant water and then with a solution of commercial detergent. It is rinsed first with common water and later with solution of Hypochlorite of Sodium to 0,05 % in water none ionized and they move towards a place with clean ambience for his immediate use.

2. Making of the means of farming.

For the making of the means of farming, the employment of the solutions mothers and the dosage of these continue the same steps as for the means sterilized by autoclave.

After fitting, the pH to the way of this farming warms up adding slowly the gel, until it dissolves. For solid means, the dose of gel will be between 40-50 % of the employee in the sterilization for autoclave. It is boiled during 5 minutes, being important that the whole way of farming boils.

To incorporate the VITROFURAL ® it is hoped that the way of farming should have a temperature brought near between 80-85°C. It is recommended to disperse firstly the VITROFURAL® in a small quantity of way of farming and then to incorporate to the rest of the way waving vigorously to achieve an entire homogenization and to avoid the sedimentation of the product.

3. Essential conditions for his employment.

The personnel must use sterile clothes, including cap and covers mouth, the hands are disinfected with alcohol to 70 % earlier and during the dosage as well as to expire with the good practices of production for the work in aseptic areas.

Glasses of protection must be used for avoiding annoyance in the eyes.

After prepared, the way of farming will move immediately towards the aseptic area where the dosage must be realized also.

4. Dosage.

The dosage of the way of farming can be realized of manual or mechanical form. During the process it is waved frequently to avoid the sedimentation of the VITROFURAL®, covering immediately the bottles after the dosage.

When an automatic dispenser is used, it must be washed previously with well warm water (80-90°C) to eliminate possible dirt accumulated in the conduits.

It is important to maintain a maximum grade of asepsis.

5. Storage and use.

The way of farming is stored in the room of means of farming inside the aseptic area. The temperature will not exceed 24°C. In case of not being provided with these conditions it is stored in a fresh and clean place up to the moment of it use. It is possible to use later to 12 hours of having prepared and cooling, except in the micro propagation of potatoes that is necessary to wait 24 hours. It is not necessary to wait for a time superior to 24 hours because the product degrades itself in the way of farming with the time.