

# Nemasys® M

For mushroom sciarid fly control

For control of the larval stages of sciarid flies (*Lycoriella* spp.) that infect mushrooms (*Agaricus bisporus*)

Contains the beneficial nematode *Steinernema feltiae* (90%) and an inert carrier with water (10%) Product suitable in organic farming according to RCE no 834/2007

## RECOMMENDED RATES

To ensure control over the whole cropping cycle (first and subsequent generations of flies) make two applications as shown in the table below, giving a total application rate of 2,000,000/m<sup>2</sup>

Application method Phase II growing	Application volume	Dose	Pack size 150 million	Pack size 250 million
First drench (at casing)	1 litre/m <sup>2</sup> (minimum)	1,000,000/m <sup>2</sup>	150m <sup>2</sup>	250m <sup>2</sup>
Second drench (one day after casing)	1 litre/m <sup>2</sup> (minimum)	1,000,000/m <sup>2</sup>	150m <sup>2</sup>	250m <sup>2</sup>
Application method Phase III growing	Application volume	Dose	Pack size 150 million	Pack size 250 million
First drench (two days after casing)	1 litre/m <sup>2</sup> (minimum)	1,000,000/m <sup>2</sup>	150m <sup>2</sup>	250m <sup>2</sup>
Second drench (three days after casing)	1 litre/m <sup>2</sup> (minimum)	1,000,000/m <sup>2</sup>	150m <sup>2</sup>	250m <sup>2</sup>

## DIRECTIONS FOR USE

- Ensure tank is clean and free from chemical residues.
- Remove all fine filters (50 mesh or smaller) from the application equipment.
- Partly fill the tank with cool, clean water.
- Empty one tray into a bucket and add a small volume of water to form a thick suspension (normally a minimum of 10 litres).
- Stir the contents thoroughly making sure the entire product is mixed.
- Add the nematode suspension to the tank and fill with water up to the required level..
- Start the agitator and keep running until the application is completed. If a propeller is used, ensure it does not run at high revolutions (below 150 rpm)
- Apply dose immediately as a drench to the casing surface at the appropriate rate.

## Dosing unit application instructions:

- Set injection rate on dosing unit (normally 1%)
- Considering the pack size, injection rate, area to treat and recommended rate, calculate the number of nematodes and volume of water required for a stock solution.
- Make up the stock solution and mix thoroughly to ensure that the nematodes are well dispersed. NOTE: If the suspension is too viscous add an additional known volume of water and adjust the injection rate accordingly.
- Place inlet tube into the stock solution and start the flow of water, so the dosing unit can start injecting nematodes into the outlet pipe.
- Start application ensuring the correct volume of water is being applied per unit area. Throughout application ensure that the nematode suspension remains agitated.
- Apply evenly to the crop via lance, sprinklers or drip irrigation.
- Consult your supplier to determine suitability of your drip irrigation system.

## PRECAUTIONS

- Substrate should be moist and between 10°C and 30°C during application and 2 weeks after.

- Agitate nematodes constantly during application.
- Do not use product if past expiry date or incorrectly stored.
- Once opened, use each entire tray immediately (do not sub-divide or store opened packs or mixed suspension).
- Do not exceed 300 psi/20 bar/2000 kPa pump pressure.
- Nozzle aperture should be greater than 0.5 mm
- Suitable nozzles should produce a coarse spray at the intended application pressure.

## SAFETY PRECAUTION

If medical advice is needed, have product container or label at hand.  
Keep out of reach of children.  
Read label before use.

## PESTICIDE COMPATIBILITY

- Do not tank mix with pesticides, formaldehyde or chlorine. Most pesticides can however be applied separately without adversely affecting nematode performance.
- For information relating to which chemicals are compatible with Nemasys® M ask your distributor.

## STORAGE AND DISPOSAL

**Storage:** Upon receipt, use immediately or store in a refrigerator at or under 5°C. DO NOT FREEZE. Avoid the constant opening of the fridge to minimize temperature fluctuations and do not overflow to allow the movement of cold air. Use entire contents of pack at one time. Do not split or subdivide individual packs as each contains a measured dose of nematodes. Do not store diluted product. KEEP OUT OF REACH OF CHILDREN. THESE PRODUCTS CONTAIN LIVING ORGANISMS THAT REQUIRE SPECIAL HANDLING AND APPLICATION PROCEDURES. FOLLOW THESE INSTRUCTIONS CAREFULLY TO OBTAIN MAXIMUM ACTIVITY.

**Disposal:** Product and packaging waste resulting from the use of this product, or unused, outdated product, may be disposed of on site or at any approved waste disposal facility in accordance with local regulations.



#### **WARRANTY DISCLAIMER**

BASF plc warrants that this product conforms to the description on the label and is reasonably fit for the purpose stated on the label when used in accordance with the directions. BASF PLC DISCLAIMS ALL OTHER WARRANTIES, EITHER EXPRESS OR IMPLIED INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

#### **REMEDIES**

The remedy for injury or damage for this product is limited to, in BASF plc sole discretion, replacement of the product or refund of the purchase price paid. Under no circumstance shall BASF plc be liable for incidental, consequential or special damages.

#### **LIMITATION OF LIABILITY**

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