

Nemaslug® 2.0

Advanced biocontrol for slugs in all agricultural and horticultural crops (outdoor and protected), interior landscapes, industrial and amenity environments

Contains the beneficial nematode *Phasmarhabditis californica* (87%) in an inert carrier with water (13%)
Product suitable in organic farming according to RCE n° 834/2007

RECOMMENDED RATES

Target pest	Application method	Application volume	Dose	Pack size 250 million	Application frequency
Small slugs	Soil drench	1 litre/m ²	50,000/m ²	5,000m ²	Weekly
			150,000/m ²	1,666m ²	Every 2-3 weeks
			300,000/m ²	833m ²	Every 4-6 weeks
	Drip irrigation (strawberry growbags)	25 ml/plant	1,250/plant	200,000 plants	Weekly
			3,750/plant	66,666 plants	Every 2-3 weeks
			7,500/plant	33,333 plants	Every 4-6 weeks
Boom sprayer (Field application)	500 – 1000 l/ha	500 million/ha (2 packs)	0.5 ha	Monthly, subject to pest pressure*	

DIRECTIONS FOR USE

- Remove all fine filters (50 mesh or smaller) from the application equipment.
- Partially fill the tank with cool (10-20°C), clean water.
- Empty one tray into a bucket and add a small volume of water to form a thick suspension.
- Stir the contents of the bucket thoroughly making sure all lumps are fully dispersed before adding more water (normally a minimum of 10 litres).
- 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 to the whole crop at the appropriate rate.
- Irrigate immediately after application to disperse nematodes into soil.

Dosing unit application:

- Set injection rate on dosing unit (normally 1%)
- Considering the pack size, injection rate, area to treat and recommended rates, calculate 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 whole area via lance, boom sprayer, sprinklers or drip irrigation system.

Drip irrigation application:

- Allow enough time for nematodes to reach intended area of crop.
- Inject nematodes in the first half of the irrigation cycle and immediately flush the system with enough water to wash nematodes out of irrigation pipes in the second half.
- If multiple blocks are treated, use short irrigation cycles between blocks to ensure an even application of nematodes. Consider spot treatments of drop off zones at the end of drip lines with a lance or knapsack.
- Position irrigation drippers close to the base of the plant. When more than one dripper is used per pot, these should be distributed evenly around the base of the plant.
- Consult your supplier to determine suitability of your drip irrigation system.

Boom Sprayer application:

- Dose rate: The higher the rate, the faster slugs stop feeding.
- Apply to the soil when young slugs are present.
- Active at soil temperatures 5 - 30°C with 15°C optimal.
- Remove all fine filters from application equipment (50 mesh or smaller).
- Ideally apply in wet and humid conditions.
- Avoid direct sunlight; evening applications are best.
- Can apply during rainfall or irrigate prior to and after application.
- Soil should be moist and remain as such for as long as possible after application.
- Nemaslug® 2.0 persists in the soil for approximately six weeks.
- Reapply depending on pest pressure. Under very high-pressure, application intervals may need to be reduced:
* seek guidance from an advisor.

APPLICATION CONDITIONS

For optimum results:

- Treatment should be applied when young slugs (2-3 cm when fully expanded) are present.
- In outdoor crops apply during rainfall to reduce the volume of irrigation.
- Soil/substrate should be moist and between 5°C and 30°C during application and for at least 2 weeks after.
- Avoid applications in direct sunlight; evening applications are recommended.
- If product is applied over foliage, irrigate immediately with water.
- Nemaslug® 2.0 persists in moist soil for approximately six weeks.
- Reapplications will be required depending upon pest pressure.

PRECAUTIONS

- Agitate nematodes constantly during application.
- Do not use product if past expiry date or incorrectly stored.
- For information relating to which chemicals are compatible with Nemaslug® 2.0 ask your distributor.
- 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

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 overfill 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

No one is authorized to change or supplement, either verbally or in writing, the statements contained on the label. BASF plc and the seller are not liable for personal injury or property damage or loss, including crop damage or lack of performance, due to circumstances beyond their control. BASF does not accept liability for a product user's failure to comply with the directions for use. Buyer and user assume all risks for these events.

LICENCE CONDITIONS

Before opening this product, you must read and ensure that you can comply with the **full set** of licence conditions for the country you are using it in.

- England Defra Grower's Licence (NN-BCA-23-06 G)
- Wales Natural Resources Wales Grower's Licence (S092882/1g)

The licences are available via the QR code below or using the following weblink:

www.agricentre.basf.co.uk/product-licences



A paper copy of the licences can be obtained by phoning 0845 602 2553 or by writing to technicalhotline@basf.com.

The licence conditions include the following requirements:

- The product must only be used in edible and non-edible agricultural and horticultural crops (outdoor and protected environments), and on interior landscapes, industrial and amenity environments (including sports turf), private gardens and allotments (outdoor and protected).
- If there is evidence that the nematode has become established or has caused unanticipated harm in the environment in and around the area it has been applied, BASF must be notified immediately by email (technicalhotline@basf.com) or by phone (0845 602 2553).
- The instructions on use, management procedures, grower guidelines and monitoring protocols must be complied with.

Releasing *Phasmarhabditis californica* carpopcypae otherwise than in accordance with the terms of the licence may constitute an offence.

www.agricentre.basf.co.uk

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