

NEMGUARD-DE

MAPP 19851

For the reduction of nematode damage in carrot, parsnip and sugar beet crops.

A granular formulation containing a minimum of 450 g/kg of garlic extract (CLAIL 0021).

This product is only for use in Great Britain (England, Wales and Scotland).

NEMguard DE Granules

A granular nematocide containing a minimum of 450 g/kg of garlic extract



WARNING

CAUSES SKIN IRRITATION

Keep out of reach of children.

If on skin, wash with plenty of soap and water.

If irritation occurs, get medical advice.

Do not contaminate water with the product or its container.

Take off contaminated clothing and wash it before re-use.

Dispose of contents/container to a licensed hazardous waste disposal contractor or collection site except for triple rinsed, empty containers which can be disposed of as non-hazardous waste.

To avoid risks to human health and the environment, comply with the instructions for use

THE (COSHH) CONTROL OF SUBSTANCES HAZARDOUS TO HEALTH REGULATIONS MAY APPLY TO THE USE OF THIS PRODUCT AT WORK.

SAFETY PRECAUTIONS

Operator Protection

Engineering control of operator exposure must be used where reasonably practicable in addition to the following equipment:

Operators must wear suitable protective clothing (coveralls), suitable protective gloves and face protection (face shield) when handling the product.

However engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection.

WHEN USING, DO NOT EAT, DRINK OR SMOKE.

WASH HANDS AND EXPOSED SKIN before meals and after work.

Environmental Protection

Do not contaminate water with the product or its container.

Do not clean application equipment near surface water.

Avoid contamination via drains from roads.

Do not apply product through broadcast equipment.

Storage and Disposal

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS.

KEEP OUT OF REACH OF CHILDREN.

KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place away from damp.

EMPTY CONTAINER COMPLETELY and dispose of safely.

Use within 24 months from date of manufacture, see date on label.

INSECTICIDE



Net content

10 kg

READ CAREFULLY BEFORE USE

PROTECT FROM FROST

Production date / Batch number: see packaging

For advice on medical emergencies, fires, spillages or chemical hazards ONLY - phone Carechem 24 EU: +44 (0)1235 239670

For technical and non-emergency calls phone +44 (0)845 373 0305

Authorisation Holder:

Ecospray Ltd.

6C Park Farm Business Centre, Fornham St. Genieve IP28 6TS

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CONDITIONS OF SUPPLY: The Seller warrants that the goods shall at the time of delivery to the Buyer conform to the Seller's standard specification but all other conditions and warranties, whether express or implied by statute or custom of the trade or otherwise and whether as to condition, quality, performance, merchantability, fitness for any purpose or otherwise, are expressly excluded and, subject as aforesaid, the Seller shall be under no liability whatsoever, in contract or in tort, for or in respect of any loss or damage whatsoever resulting from or arising out of the goods or supply or use thereof, whether caused by the negligence of the Seller or otherwise. The Seller shall be under no liability in respect of the warranty given above unless the Buyer allows the Seller reasonable opportunity of inspecting the goods where practicable. A consumers statutory rights are not affected.

To access the Safety Data Sheet for this product scan the QR code or use the weblink below:

WEBLINK to specific data sheet on manufacturer's website:



https://certisbelchim.co.uk/pdf/MSDS/NEMguard_DE_MSDS.pdf

Alternatively, contact your supplier.

IMPORTANT INFORMATION

FOR USE ONLY AS A PROFESSIONAL NEMATOCIDE

Crops	Maximum individual dose	Maximum number of treatments	Latest time of application	Maximum total dose
Carrot, Parsnip and Sugar beet	20 kg/Ha	1 per crop	At drilling, Seeding	20 kg/Ha

Other Specific Restrictions

None.

READ THE LABEL BEFORE USE. USING THIS PRODUCT IN A MANNER THAT IS INCONSISTENT WITH THE LABEL MAY BE AN OFFENCE. CONSULT PROCESSOR BEFORE USING ON CROPS GROWN FOR PROCESSING. FOLLOW THE CODE OF PRACTICE FOR USING PLANT PROTECTION PRODUCTS.

DIRECTIONS FOR USE

IMPORTANT: THIS INFORMATION IS APPROVED AS PART OF THE PRODUCT LABEL. ALL INSTRUCTIONS WITHIN THIS SECTION MUST BE READ CAREFULLY IN ORDER TO OBTAIN SAFE AND SUCCESSFUL USE OF THIS PRODUCT.

Carrot and Parsnip

Apply the product in furrow at the same time as planting through appropriate granular application equipment. A single application of NEMguard® DE at the recommended rate and in appropriate conditions (see best conditions for use) may reduce the level of root malformations detected in the fully mature crop.

The benefits of using NEMguard DE granules can be variable and useful reductions of nematode damage or increases in marketable yield cannot be relied on.

Apply NEMguard DE granules if prior to cropping, soil samples reveal that damaging free-living nematodes have reached or exceeded known risk thresholds. Nematodes of particular importance are those from the sub-orders: *Dorylaimina* and *Tylenchina*.

Consult an expert for interpretation of nematode population data. It is recommended that the product is applied beneath the soil surface in bands at the same time as drilling. Apply as near to the seed as possible, through appropriate granular application equipment.

Sugar Beet

Apply the product in furrow at the same time as planting through appropriate granular application equipment. A single application of NEMguard® DE at the recommended rate and in appropriate conditions may reduce the level of root malformations detected in the fully mature crop.

The benefits of using NEMguard DE granules can be variable and useful reductions of nematode damage or increases in harvestable yield cannot be relied on.

Apply NEMguard DE granules if it is known that the field has a history of nematode damage or prior to cropping, soil samples reveal that damaging free-living nematodes have reached or exceeded known risk thresholds. Nematodes of particular importance are those from the sub-orders: *Dorylaimina* and *Tylenchina*.

Consult an expert for interpretation of nematode population data. It is recommended that the product is applied beneath the soil surface in bands in the drill line at the same time as drilling. Apply as near to the seed as possible, through appropriate granular application equipment.

Use of NEMguard DE in sugar beet is especially relevant in land where 'Docking disorder' associated with activity from *Trichodorus* spp, *Paratrichodorus* spp and *Longidorus* spp is prevalent. Consult with the granulate applicator manufacturer for correct calibration and product placement.

Qualified Recommendation

Limited effectiveness data indicate that when used for nematode reduction, NEMguard DE may give some reduction in cavity spot (*Pythium violae*). Conditions of use for carrots and parsnips described in the 'IMPORTANT INFORMATION' box must be followed.

APPLICATION RATE AND FREQUENCY

APPLY AT A RATE OF 20 KG/HA ONCE AT DRILLING.

DO NOT ALLOW THE GRANULES TO BECOME WET OR DAMP BEFORE OR DURING APPLICATION.

DO NOT ALLOW THE GRANULES TO STAND OVERNIGHT IN THE APPLICATION HOPPER.

ENSURE THAT THE HOPPER AND ROTORS ARE CLEAN AND DRY BEFORE USE.

APPLY USING AN APPROVED GRANULAR NEMATOCIDE APPLICATOR IN GOOD WORKING ORDER CALIBRATED TO APPLY NEMGUARD DE.

Application equipment should be calibrated prior to use to ensure accurate dosing and incorporation.

Efficacy of the product may be reduced in prolonged dry conditions and it is not recommended for use in soils with a high silt content. If conditions are dry at application, 20 mm of irrigation should be applied as soon as possible after application. If dry conditions persist, additional regular irrigation should be applied.

Best conditions for use

Soil should be considered damp enough to support crop establishment at the time of a NEMguard DE application.

Percolation of water down the soil horizon is required to disperse the active in NEMguard DE granules and loss of continuous hydraulic contact down the ridge after application of NEMguard DE may adversely affect efficacy.

This section is not part of the Product Label under the Control of Pesticides Regulations 1986 or the Plant Protection Products Regulations 1995 (as appropriate) and that it provides additional advice on product use at the discretion of the applicant.

Company Advisory Information

Nematode damage to carrot, parsnip and sugar beet is evident as irregularities in the consistency of the plant stand, reductions in crop vigour and a range of clearly visible malformations to the shape of the maturing root. A crop may be affected by all these symptoms. In situations where nematode populations are substantially exceeding damage risk thresholds, NEMguard DE granules are unlikely to produce adequate levels of damage reduction.

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