

NEMGuard® DE GRANULES



MAPP 16749 PCS 05368 | Batch No. and manufacturing date: See packaging
A granular formulation containing a minimum of 450 g/kg of garlic extract (CLAIL 0021) for the reduction of nematode damage in carrot and parsnip crops.

INSECTICIDE



The (COSHH) Control of Substances Hazardous to Health Regulations may apply to the use of this product at work - UK only.

SAFETY PRECAUTIONS

Operator protection

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

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS), SUITABLE 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 broad-cast 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 12 months from date of manufacture, see date on label.

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 consumer's statutory rights are not affected.



This label is compliant with the CPA
 Voluntary Initiative Guidance - UK only.

The Voluntary Initiative

NEMGUARD DE GRANULES

A granular nematicide containing a minimum of 450 g/kg of Garlic extract.



WARNING

MAY CAUSE 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.

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IMPORTANT INFORMATION

FOR USE ONLY AS AN AGRICULTURAL NEMATICIDE

Crop	Carrot and Parsnip
Maximum individual dose	20 kg/ha
Maximum number of treatments	One
Latest time of application	At drilling, Seeding
Maximum total dose	20 kg/ha
Other specific restrictions	Nil

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

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.

It is recommended that the product is applied in furrow at the same time as planting through appropriate granular application machinery. 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 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 machinery.

APPLICATION RATE AND FREQUENCY

APPLY AT A RATE OF 20KG/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.

USE HORSTINE OR TECHNEAT ROTORS CALIBRATED FOR 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 actives in NEMguard DE granules and loss of continuous hydraulic contact down the ridge after application of NEMguard DE may adversely affect efficacy.

Company Advisory Information

Nematode damage to carrot and parsnip roots.

Nematode damage to carrot and parsnip crops 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.

Extension of Use

These extensions of the authorised use provide for the use of NEMguard DE (M16749) in respect of crops and situations, other than those included on the product label [above]. No efficacy or phytotoxicity data have been assessed and as such the 'extensions of use', are at all times done at the user's choosing, and the commercial risk is entirely theirs.

Outdoor crops of fodder beet and red beet

This Extension of Authorisation relates to the use of 'NEMguard DE' (M16749) as a nematicide for the control of Free living nematodes. This authorisation includes use on outdoor crops where they are grown under temporary covers such as fleece or polythene.

Maximum individual dose (kg product / ha)	Maximum total dose	Maximum number of treatments (per crop)	Latest time of application
10	-	1	At drilling

Outdoor crops of bulb onion, shallot, garlic and leek

This Extension of Authorisation relates to the use of 'NEMguard DE' (M16749) as a nematicide for the control of stem and bulb nematodes (*Ditylenchus dipsaci*) & root knot nematodes (*Meloidogyne* spp) on bulb onion, shallot, garlic and leek. This authorisation includes use on outdoor crops where they are grown under temporary covers such as fleece or polythene.

Maximum individual dose (kg product / ha)	Maximum total dose	Maximum number of treatments (per crop)	Latest time of application
20	-	1	At drilling or planting of sets

Users must consult and be in possession of the Extension of Authorisation Number: 1841 of 2015 or 1838 of 2015 for full details of product extension prior to use.

Material Safety Data Sheet

To access the Safety Data Sheet for this product, scan the QR code or use the web-link below:

http://www.certiseurope.co.uk/fileadmin/downloads_uk/products/insecticides/NEMguard_DE_MSDS.pdf

Alternatively, contact your supplier.



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Marketed by: Certis, Suite 5, 3 Riverside, Granta Park, Great Abington, Cambridgeshire, CB21 6AD

Tel: 0044 (0)845 373 0305 Fax: 0044 (0)1223 891210 E-mail: certis@certiseurope.co.uk

For technical and non-emergency calls – phone 0044 (0)1223 894261

For advice on medical emergencies, fires, spillages or chemical hazards ONLY – phone 0870 190 6777

Approval holder: ECOspray Ltd, Grange Farm, Cockley Cley Road, Hilborough, Thetford, IP26 5BT

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PROTECT FROM FROST

20 kg