

NEMguard® DE Granules

MAPP 16749

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.

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

CONTENTS 20 Kg

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NEMguard® DE GRANULES

A granular nematicide 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

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 A PROFESSIONAL NEMATICIDE	
Crop:	Carrot and Parsnip
Maximum individual dose:	20kg/ha
Maximum number of treatments:	One
Latest time of application:	At drilling, Seeding
Maximum total dose:	20kg/ha
Other specific restrictions:	Nil
<p>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.</p>	

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 broad-cast equipment.

Storage and Disposal

KEEP AWAY FROM FOOD, DRNK 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.

DIRECTIONS FOR USE

IMPORTANT: This information is authorised 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.

Qualified Recommendation

Limited effectiveness data indicate that when used for nematode control 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 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 condition 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.