

# NEMguard® PCN Granules

MAPP 17922

A granular nematicide formulation containing a minimum of 450 g/kg of garlic extract (CLAIL 0021) for the reduction of potato cysts nematode populations in potato 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® PCN 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

Contains Garlic, may produce an allergic reaction

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

**MAPP 17922**

**IMPORTANT INFORMATION**

**FOR USE ONLY AS A PROFESSIONAL NEMATICIDE**

Crop:	Potato
Maximum individual dose:	60kg/ha
Maximum number of treatments:	One
Latest time of application:	At drilling, Seeding
Maximum total dose:	60kg/ha

**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.**

**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 24 months from date of manufacture, see date on label.

**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.

A single application of NEMguard PCN granules at the recommended rate and in appropriate conditions may give a reduction of nematode damage but performance can be variable and increases in marketable yield cannot be relied upon.

*Apply the granules during final seedbed preparation just before planting. Apply to the soil surface evenly and incorporate to the required depth immediately and ensure even distribution of the granules. Application must be made using an approved applicator correctly calibrated to apply NEMguard PCN Granules at the recommended dose rate.*

Apply NEMguard® PCN granules if prior to cropping, soil samples reveal that damaging nematodes have reached or exceeded known risk thresholds. Nematodes from the sub-orders: *Dorylaimina* and *Tylenchina* in particular *G. pallida* and *G. rostochiensis* are of particular importance. The effects of this product have only been tested on the species *Globodera pallida*. Consult an expert for interpretation of nematode population data before considering nematicide application.

#### **APPLICATION RATE AND FREQUENCY**

APPLY AT A RATE OF 60KG/HA ONCE AT DRILLING/SEEDING.  
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 PCN GRANULES.  
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® PCN application. Percolation of water down the soil horizon is required to disperse the actives in NEMguard® PCN granules and loss of continuous hydraulic contact down the ridge after application of NEMguard® PCN may adversely affect efficacy.

#### **Compatibility**

Do not tank mix this product.

#### **Resistance**

No special measures are required.

#### **Company Advisory Information**

Nematode damage to potato roots.

Nematode damage to potato crop can be evident as irregularities in the consistency of the plant stand, reductions in crop vigour and a range of malformations in the maturing root system. A crop may be affected by all these symptoms over a period of several weeks coinciding with period when PCN eggs hatch and attack the crop. In situations where nematode populations are substantially exceeding damage risk thresholds, NEMguard® PCN granules may not produce adequate levels of PCN population suppression.