

For the reduction of endo- and ecto-nematodes
pests in amenity and sports turf:

EAGLE GREEN CARE

MAPP 14989

A soluble concentrate based on a minimum content of 999g/l food-grade garlic juice extract, CLAIL 0021.

For use only on turf

5
LITRES

ECOspray Ltd, Grange Farm
Hilborough, Thetford, Norfolk IP26 5BT
Tel: 01760 756100 / 07810 305605



Email: ecospray@ecospray.com

Web: ecospray.com

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

Important information

FOR USE ONLY AS A HORTICULTURAL NEMATICIDE

Crop: Managed amenity turf.
Maximum individual dose: 20 l/ha
Maximum number of treatments: 6 per year.
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. FOLLOW THE CODE OF PRACTICE FOR USING PLANT PROTECTION PRODUCTS.

EAGLE GREEN CARE
Contains 999 g/l garlic extract.

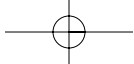


**MAY CAUSE SENSITISATION BY SKIN CONTACT
TOXIC TO AQUATIC ORGANISMS; MAY CAUSE LONG-TERM
ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.**

**Avoid contact with skin
Wear suitable gloves
Use appropriate containment to avoid environmental contamination**

To avoid risks to man and the environment, comply with the instructions for use.

CHIP 3	Xi	Irritant
CHIP 3	N	Dangerous for the environment
CHIP 3	R43	May cause sensitisation by skin contact
CHIP 3	R51	Toxic to aquatic organisms
CHIP 3	R53	May cause long-term adverse effects in the aquatic environment
CHIP 3	S24	Avoid contact with skin
CHIP 3	S37	Wear suitable gloves
CHIP 3	S57	Use appropriate containment to avoid environmental contamination



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.

Eagle Green Care is for use as a nematicide sprayed onto the surface of turf to reduce pest plant parasitic nematode populations. Although a reduction of nematode numbers may be achieved, this may not be sufficient to reduce populations to below the levels which cause damage to the turf. Where nematode populations remain above damaging levels, an improvement in turf quality may not be seen. Note that an improvement in turf quality may not be seen even where nematode populations are reduced to below damaging levels. (It is essential that appropriate fertiliser and fungicide inputs are made)?.

Application rate & frequency

Mix 1 litre of Eagle Green Care with 24 litres of water (4%v/v) and apply at a volume of 50 ml/sq m.

Sequential applications at between 7 and 14 day intervals may increase the level of nematode population reductions. It is recommended that no more than three applications are linked in any treatment sequence. The use of soil sampling to determine nematode populations prior to commencing use of Eagle Green Care is recommended and will help to ensure that applications are made to coincide with nematode activity.

Best conditions for Eagle Green Care

The upper soil horizon should be moist and freely draining with percolation expected to reach 10cm in depth following Eagle Green Care application. If soil conditions are dry, irrigate prior to application so the soil is adequately moist. Irrigate between 5-10 mm immediately after applying Eagle Green Care depending on conditions. Irrigation may not be necessary if a similar amount of precipitation is imminent.

Mixing and spraying

Eagle Green Care is a soluble concentrate that easily disperses with water. Use rate solutions of 4% v/v can be sprayed through typical hand held or tractor mounted spraying equipment. Wash spray equipment thoroughly after use.

Compatibility

Do not tank mix Eagle Green Care

Resistance

No special measures are required.

Crop Advisory Information (Additional to four main sections)

Nematode damage to turf.

Symptoms of nematode damage in turf can be easily confused with other causative agents such as fungal disease, compaction, poor drainage, lack of irrigation and poor nutrition. Symptoms may be most obvious during periods of stress including high temperatures and drought. It is essential that soil samples that include root mass are taken from affected areas of turf in order to determine nematode populations and species type. Absence of, or low numbers of potentially damaging nematodes in soil samples from affected areas should not automatically be interpreted as absence of nematode risk, due to nematode population cycling. A number of soil samples taken from the same area at different times and under different environmental conditions should be considered if initial samples indicate low parasitic nematode numbers and other causes of damage are not apparent.

The biology of nematodes parasitic to turf.

All nematodes parasitic to turf feed by insertion of a needle like tube into root tissue. Ecto-parasitic nematodes feed with the body outside the plant and in soil samples will be present at all stages in the life cycle i.e. mature adults, immature adults, juveniles, immature juveniles and eggs. Ecto-parasitic nematodes are therefore generally vulnerable to a contact nematicide and high levels of population reduction of these nematodes can be achieved by 1-3 sequential treatments with Eagle Green Care. Endo-parasitic nematodes feed by progressive invasion of the plant tissue becoming embedded well into root cortex or specialised feeding sites formed by the nematode in the root mass. The invasive stage of the life cycle in Endo-parasitic nematodes is a second instar juvenile (J2) recently emerged from an egg. Time from emergence from the egg to invasion of the root is usually a matter of a few days (up to 2 weeks) for most Endo-parasitic nematodes. Once attached to the root, Endo-parasitic nematodes are difficult to detect by normal extraction and filtration techniques.

Applications of Eagle Green Care.

Due primarily to irregularities in the uniformity of egg hatch and dynamics of infection, at least three sequential applications of Eagle Green Care are usually required to significantly reduce numbers of Endo-parasitic nematodes, irrespective of the presence of Ecto-parasitic nematodes as the primary target. If Endo-parasitic nematodes are the primary target, applications of Eagle Green Care must coincide with emergence and migration of J2 nematodes throughout the root zone.

If Ecto-parasitic nematodes are the only target, applications of Eagle Green Care can be initiated at any time during favourable environmental conditions. It is recommended that three sequential applications of Eagle Green Care are applied to significantly reduce populations of Ecto-parasitic nematodes, although substantial reductions in populations can be achieved by a single application.

Conditions at time of application of Eagle Green Care.

It is essential that turf condition will allow percolation of Eagle Green Care through the root zone to a depth of at least 10 cm. Irrigate between 5-10mm immediately after application depending on conditions at the time.

SAFETY PRECAUTIONS

Operator protection

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

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) AND SUITABLE GLOVES WHEN HANDLING THE CONCENTRATE.

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

IF YOU FEEL UNWELL, seek medical advice immediately (show the label where possible).

WHEN USING, DO NOT EAT, DRINK OR SMOKE.

IN CASE OF CONTACT WITH EYES OR SKIN, RINSE IMMEDIATELY with plenty of clean water 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.

TO PROTECT AQUATIC ORGANISMS RESPECT AN UNSPRAYED BUFFER ZONE TO SURFACE WATER BODIES IN LINE WITH LERAP REQUIREMENTS.

DO NOT ALLOW DIRECT SPRAY from horizontal boom sprayers to fall within 5 m of the top of the bank of a static or flowing water body, unless a Local Environmental Risk Assessment for Pesticides (LERAP) permits a narrower buffer zone, or within 1 m of the top of a ditch which is dry at the time of application.

DO NOT ALLOW DIRECT SPRAY from hand-held sprayers to fall within 1 m of the top of the bank of a static or flowing water body.

Aim spray away from water.

This product qualifies for inclusion within the Local Environment Risk Assessment for Pesticides (LERAP) scheme. Before each spraying operation from a horizontal boom sprayer, either a LERAP must be carried out in accordance with ' CRD published guidance or the statutory buffer zone must be maintained. The results of the LERAP must be recorded and kept available for three years.

Dangerous to bees. To protect bees and pollinating insects do not apply to crop plants when in flower. Do not use where bees are actively foraging. Do not apply when flowering weeds are present.

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 DO NOT RE-USE CONTAINER FOR ANY OTHER PURPOSE.

WASH OUT CONTAINER THOROUGHLY, empty washings into spray tank and dispose of safely.

Protect from frost.

Mix well before use.

Use within 12 months from date of manufacture.

Restrictions and warnings

R43 may cause sensitization by skin contact (already in Statutory box)

