



Naturally Designed Technically Refined

Nemguard in European Agriculture: A Sustainable Agriculture Success Story

Biopesticides Europe June 2024

www.ecospray.com

Who are we and why are we here?

Ecospray are an independent UK based biopesticide company. We have researched, developed and registered an extract of garlic for use as a pesticide. Breaking the myth that natural pest control is inferior to conventional materials.

✓ Approved in a range of crops, both protected and in field across the world.

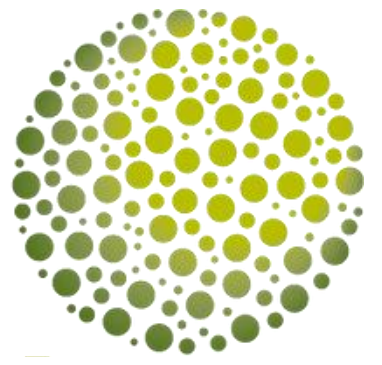
↗ Current sales of c.£3m.

🌱 Recent minority shareholder investment from CBC Biogard.

🔍 Embarking on the development of Nature Identical Product (NIP).



Why Garlic Extract?



Efficacy against a range of nematode species



No resistance and a complex MoA



Improved soil health



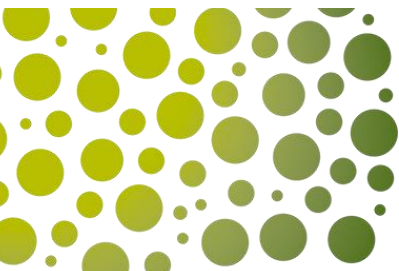
Secondary effects on other pests and diseases



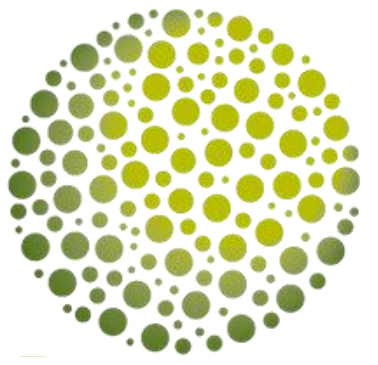
No phytotoxicity

EFSA 2020; 18(6): 6116

- No areas of concern or data gaps were identified. No MRL is proposed; garlic extract could be considered a candidate for Annex iv of Commission Regulation (EC) No 396/2005
- EU has granted the renewal of approval of active Garlic Extract for a further 15 years until 2036



Nemguard SC



- Active substance: 1000 g/kg garlic extract (purity \geq 99.9 %)
- Formulation: suspension concentrate (SC)
- Targets: plant-parasitic nematodes belonging to the genus *Meloidogyne*, *Tylenchus*, *Trichodorus*, *Longidorus*, *Pratylenchus*, *Xiphinema*, *Globodera*, *Heterodera*
- Crops: Solanaceous crops (tomato, eggplant, sweet pepper), Cucurbits with edible and inedible peel (cucumber, zucchini, melon, water melon, pumpkin), greenhouse and open field. (full list to follow)
- Rates: 2 – 4 L/ha at intervals of 10-14 days (max. 6 per crop cycle)
- PHI: not required
- MRL: not required
- Shelf life: 2 years at room temperature



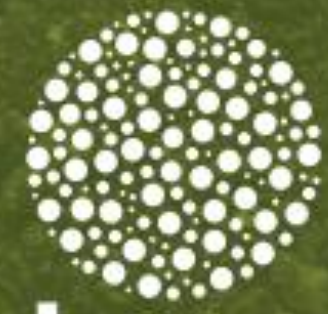
Nemguard SC

Some useful recommendations

- Preventive approach
- Use adequate dosage and concentration
- Apply frequently
- Synergic combination within IPM strategy
 - ✓ Crop susceptibility to nematode attack
 - ✓ Pest pressure
 - ✓ Tools available for Integrated Pest Management
- Different strategies in Tomato, Beans and Pepper



Morocco Ethiopia Tunisia Korea Turkey Australia United Kingdom France Netherlands Italy Spain Portugal Poland Kenya Senegal



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