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NEMAGONE

NEMATODE CONTROL COMPOSITION COMPRISING BIOAGENTS

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NEMATODE CONTROL COMPOSITION COMPRISING BIOAGENTS

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(57) Abstract :

Exemplary embodiments of the disclosure are directed towards nematode control formulations comprising neem or cocopeat as substrate and the original cultures of one or more bioagents - *Pseudomonas fluorescens*, *Paeecilomyces lilacinus*, *Trichoderma harzianum*, *Rhizobium*, *Azotobacter*, *Azospirillum*, Phosphate Solubilizing Bacteria and *Mycorrhiza*. The mixture can be applied to vegetable crops either to the seeds or the soil environment. The results indicate the control of nematodes (specially root knot nematodes) in infected soils and roots. It significantly increases yield parameters and improves soil health.

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Benefits

- Nemagone significantly controls Nematode and various fungus infestations.
- Increases vegetative growth and helps in the uptake of the micro nutrients presents in soil.
- Helpful in seedling germination.
- Nemagone reduce the use of agro-chemicals 40-45% and obtain 30-35% increase yields.
- Increased quality of production.
- Permanent control of pest for long persisting effect.
- Ideally suited for integration with most other planet protection measures used in IPM program me.
- No fear of environment pollution and hence eco-friendly

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Application

- Soil application is more effective (Spot/Row application)
- Doses of Nemagone : 5kg/acre.
- Mix 5kg of Nemagone with 100kg of Farm Yard manure (FYM) and then apply before sowing in the Field/Nursery/ Polyhouse/ Fruit Trees.

Management of nematodes with Neemagone in Vegetable crops



Root knot nematode infestation in brinjal at Theni



Root knot nematode infestation in Okra at Theni



Citrus nematode infestation in citrus at Puliyankudi, Tirunelveli



Citrus nematode infestation in citrus at Dharmapuri



Treated with Neemagone

Untreated

Neemagone treated seedlings showed lesser nematode infestation

Management of nematodes with neemagon in vegetables



Application of Neemagon in cowpea



Management of *Meloidogyne incognita* in bitter gourd

