

# 100% Organic Soil Inoculant

from **biofilm**  
crop protection

*Verticillium chlamydosporum*



**Nm Nematamax**  
biofilm  
crop protection

- ✓ Suitable for use in all soil types and crops
- ✓ Non-toxic, certified organic, effective and fast acting with no negative impact on plant growth
- ✓ Egg and adult parasitism with no impact on beneficial species



## What is Nematamax®?

Nematamax® is a biological inoculant based on a selective strain of naturally-occurring entomopathogenic fungus *Verticillium chlamydosporum*. It is available in liquid formulation.

## Mode of Action

The spore of this fungus acts by infecting, parasitizing and killing eggs, juveniles and young adults of most phytophagous nematode species. When the spore of Nematamax® comes in contact with different stages of the nematodes, they germinate and grow and proliferate throughout the nematode eventually paralyzing the nematode leading to the death of the nematode.

## Benefits

- Nematamax® effectively manages the economically important nematodes like root knot nematodes, burrowing nematodes, cyst nematodes, lesion nematodes etc., among wide range of crops.
- Helps to increase the productivity by containing the nematode pests.
- Indirectly increases nutrition uptake to plant as there are less phytophagous nematodes feeding off the available nutrients in the rhizosphere and effectively benefiting plant root system.
- Reduction in entry points for pathogenic diseases to enter plant root structure.
- Does not create resistance, resurgence and residue problems.
- Does not affect the natural enemies and so, offers a long lasting pest control.
- Suitable for inclusion in IPM programme and thereby helps to reduce the pesticide load.

## Dose & Methods of Application

### Soil Application

Nematamax® 2-5% solution in a minimum of 800L of water per ha to be mixed with organic fertilizer / well decomposed organic manure / field soil / any other locally available agriculturally usable organic carrier or sprayed on via flood jet nozzle application over the planting beds 2 weeks prior to planting or applied around the rhizosphere uniformly for existing crops in the field. Nematamax® can be incorporated into the soil either mechanically or through thorough watering. It can be incorporated in the field as a pre-plant treatment, or at planting and emergence stage, or immediately after transplanting.

### Water Wheel Application/ Seedling Drench

Nematamax® is to applied as a seedling drench in the form of a 5% dilution prior to any seedlings coming into contact with the soil. Nematamax® is then to be mixed into a 2% solution in the water wheel tank and 800L/ ha of the preparation applied to planting holes during transplanting.

### Drip System

Nematamax® 20-40 Litres / hectare is to be mixed in 1000 Litres of water and filter the contents well to separate out extraneous particle if any. After filtering with appropriate filters it can be incorporated into the soil through the drip irrigation systems during the pre or post planting stage. Filter blockages can occur so hourly filter cleaning during application may be required. The frequency of applications also depends on the Nematode population. In the case of high nematode population pressures, and in perennial crops, multiple applications are recommended.

### Preparation of Spray Solution

Suspend 20-40 Litres of Nematamax® in 500 Litres of water. Stir well and apply through irrigation system after filtration. Compatibility Nematamax® compatible with Rhizomax and other biological inoculants. Do not tank mix Nematamax® with fungicides / Nematicides.

**Note: Ensure good agitation of liquid prior to use**