

# BIONICONEMA

## Paecilomyces lilacinus 1% W.P

**Paecilomyces lilacinus 1% W.P. ( $2 \times 10^6$  cfu/gm. minimum) (Mother culture: Indian Institute of Horticultural Research, Bangalore) Talc based Formulation.**

*Paecilomyces lilacinus* is one of the principle genera of importance in bio-control studies in recent years. *Paecilomyces lilacinus* is a species which is a bio-control fungus that protects the root system against diseases caused by plant parasitic nematodes, specifically root-knot nematodes (*Meloidogyne spp.*), reniform nematode (*Rotylenchulus reniformis*), banana nematodes (*Radopholus similes*) and citrus nematodes (*Tylenchulus semipenetrans*).

These nematodes infect agricultural and horticultural crops of economic importance. This bio-agent colonizes the root surface and is an antagonistic fungus, strongly parasitic to eggs and egg-masses of plant parasitic nematodes. Fungal parasitization can destroy upto 90% of eggs and 75%-80% of egg-masses of nematodes.

### **It is particularly effective against the following nematodes:**

Root-knot nematode	<i>Meloidogyne ssp.</i>
Golden cyst nematode	<i>Globodera pallida</i> & <i>G.rostochiensis</i>
Cyst nematode	<i>Heterodera ssp.</i>
Citrus nematode	<i>Tylenchulus semipenetrans</i>
Burrowing nematode	<i>Radopholus similes</i>
Reniform nematode	<i>Rotylenchulus reniformis</i>

### **Dosages & uses:**

#### **For treatments of nursery beds:**

Use 50 gm/sq m of the formulation.

#### **Enrichment of ORGO blended fertilizer/ FYM with bio-agent:**

Add 1kg. of *Paecilomyces lilacinus 1% W.P.* to 1 ton of ORGO/ FYM /compost to enrich.

This enriched formulation should be used in farms @ 5 tons/acre.

#### **Seed treatment:**

Treat the seeds with *Paecilomyces lilacinus 1% W.P* @ 10gm/kg seeds and apply enriched ORGO/FYM @ 2tons/acre to the soil before seeding/transplanting.