

NEMACON

Bacillus firmus - Microbial Bio-Nematicide

Nemacon is a biological nematicide based on a selected strain of naturally-occurring entomopathogenic soil bacteria *Bacillus firmus* that infects and kills both larvae and adult stage of many plant pathogenic nematodes like *Meloidogyne* spp, *Heterodera* spp, *Helicotylenchus* spp,

Hoplolaimus spp. Nemacon contains spores of *Bacillus firmus*. It is formulated as Wettable Powder with CFU count of 1×10^{10} / g. It is completely Organic by Nature and is free from MRL. It is the best when applied in soil, for both nursery and main fields.

Advantages :

- The strain is hardened and works very well in dry climate.
- It effectively controls most of the economically important nematodes such as Root - knot nematode, Reniform nematode Cyst nematode, Burrowing nematode, Lesion nematode and many other nematode species.
- Pest reduction leads to improved plant health and thereby increased crop productivity.
- Do not leave any taint or residues in the end product.
- It is Eco Friendly and have no adverse effects on soil, plants, humans or animals.



Mode of Action : It secretes metabolites, enzymes and organic acids that have Bio-Nematicidal properties.

Substrate Competition for Nutrients : It colonizes and absorbs maximum nutrients available at the target site and thereby controls the nematodes by competing and starving them for food.

Toxin production : It produces secondary metabolites and toxins that is toxic to nematode species which aid in killing it.

Dosage & Protocol :

1. Soil application :

- **Nemacon with CFU Count - 1×10^8 /g :** Mix 75-150 Kg / Acre and incorporate to root zone of crops. It can be sprayed on ground at land preparation stage.
- **Nemacon with CFU Count - 1×10^{10} /g :** Mix 1-2 Kg / Acre and incorporate to root zone of crops. It can be sprayed on ground at land preparation stage.

2. Drip irrigation :

- **Nemacon with CFU Count - 1×10^8 /g :** Mix 7.5-15 Kg / Acre in sufficient quantity of water and filter it. The decanted liquid can be used for drip irrigation.
- **Nemacon with CFU Count - 1×10^{10} /g :** Mix 150-200 g / Acre in sufficient quantity of water and filter it. The decanted liquid can be used for drip irrigation.

Target Diseases : Root - knot nematode, Reniform nematode Cyst nematode, Burrowing nematode, Lesion nematode and many other nematode species.

Recommended application : It is suitable for Agricultural, Horticultural, Plantation and Other all Types of Crops.

Compatibility : It can be mixed with other Bio Controllers.

Shelf Life : 12 Months

Precaution :

- Store the product in a dry and cool place
- Do not mix with chemical fungicides or insecticides
- Spray after 15 days of chemical spray