

# 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  $1 \times 10^{10}$  / 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 -  $1 \times 10^8$  /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 -  $1 \times 10^{10}$  /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 -  $1 \times 10^8$  /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 -  $1 \times 10^{10}$  /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