

NEEMATE 10G **Natural Nematicide**

A novel granular pesticide of botanical origin used for the control of soil borne pests including nematodes. It is recommended for soil application. The active ingredients include a careful blend of Neem seed constituents collectively called Neem bitters. They are coated or absorbed on to a selective carrier material of agricultural origin, so that persistency and stability of the active compound are enhanced in this medium. The mode of action is both systemic and contact type.

Advantages:

- Can be used as a substitute for Methyl Bromide for nematode management
- Can be used as a component in Integrated Pest Management (IPM)
- Ready to use.(No mixing required)
- Safer to handle as particles settle quickly and there is no spraying.
- Simple application equipment, often seeders or fertilizer spreaders.
- More persistent than wettable powders (WPs) or emulsifiable concentrates (ECs).

Nutrients:

- Organic Matter 80-85%
- Nitrogen 2%-2.75%
- Phosphorus 2%-2.75%
- Potassium 1%-1.5%

Active Ingredients:

Azadirachtin and other Neem based triterpenoids.

Effectiveness:

Widely recommended to control white grubs, nematodes and other soil borne pathogens.

NEEMATE 10G is a neem based nematicide which can be used to control root-knot nematodes affecting fruit crops, vegetable crops or field crops. Chemical pesticide Carbofuran is widely used to control nematodes. However, Carbofuran has a very short effective period and moreover it is banned in many countries because of its adverse effect on the environment and its inherent toxicity.

The enclosed field data show that NEEMATE 10G is more effective than Carbofuran in controlling root-knot nematode and gives better yield. Moreover, being a botanical pesticide NEEMATE 10G is free from the toxicity of Carbofuran.

Comparative bio-efficacy of NEEMATE 10G and Carbofuran for control of root-knot nematode in chick pea (3 years mean)

Table 1

Treatment	Root-Knot Index (RKI 0-5)*	Yield Kg/ha.
NEEMATE 10G (10 kg/ha)	2.25	3237
Carbofuran 3G (1kg a.i/ha)	2.61	2977
Control	3.28	2774

*1 = Free; 5 = Maximum disease intensity.

Application Guideline:

It is essential to apply NEEMATE 10G before pests attack the crop. This prophylactic action results in built-in protection of crop for an abundant harvest.

Methodology/Dosage:

Apply @10Kg/ha for nursery pest management.
Apply 1-2 days before sowing as a prophylactic dose.

Apply to the soil @10Kg/ha field crop
Apply before transplanting as a prophylactic dose

Packaging:

25 kg HDPE bag
1Kg box

Storage:

Store in a cool dry place away from direct sunlight