



NEMATECH H[®] SP

NEMATECH H[®] SP is a biological solution for the management of beetles, sciarid flies, cutworms, fungus gnats and white grubs.

PRODUCT SPECS

Active Agent *Heterorhabditis bacteriophora*
Isolate DDT F27

Agent Type Beneficial nematode

PRODUCT USES

Beetles Sciarid flies

Fungus gnats Cutworms

White grubs

NEMATECH H[®] SP manages pest insects by entering their bodies and killing them through an entomopathogenic process.

BIOLOGY

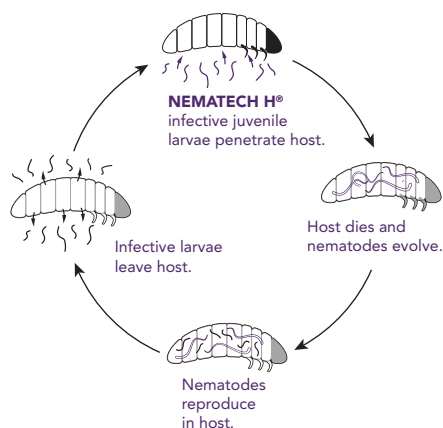
NEMATECH H[®] SP contains third stage infective juveniles (J3) of *Heterorhabditis bacteriophora* Isolate DDT F27 in an inert carrier.

NEMATECH H[®] SP is a biological insecticide containing a naturally occurring beneficial entomopathogenic nematode used to manage beetles, sciarid flies, cutworms, fungus gnats and white grubs.

MODE OF ACTION

The infective third larval stage nematodes, which are 0.6-0.8mm, aggressively search for their prey and enter through natural body openings. Once inside the insect, the nematodes release symbiotic bacteria which are lethal to their hosts, killing them within 24 hours. The nematodes evolve to the next stage, feed on the dead insect, multiply and move out to find new hosts to infect. Parasitized larvae will change to a reddish-brown colour.

LIFECYCLE AND ACTION OF NEMATECH H[®] SP



ADVANTAGES OF NEMATECH H[®] SP

- › Obligate parasites of a wide range of insect pests
- › No resistance development to **NEMATECH H[®] SP**
- › Safe to the environment, beneficial organisms and applicators
- › No re-entry and no PHI period required
- › Reproduce rapidly once they find the hosts
- › The nematode is not parasitic to the plant
- › Moves easily with soil water in search of new hosts

INTRODUCTION METHOD

NEMATECH H[®] SP may be applied as a soil drench using standard irrigation equipment or by any standard method used in pesticide application.

- › Mix the required amount of the water soluble product with water (15 - 20°C) and stir well to form a uniform suspension. Apply using drip irrigation or standard high volume spray equipment at a minimum water rate of 1000 litres per Ha. Use a maximum pressure of 5 bars and spray nozzles of at least 0.5 mm.
- › All filters must be removed to avoid blockage.
- › Applications should be done early morning or late evening on damp soil with temperature of 13-25°C for maximum target reach, ensure continuous mixing during application. Irrigate immediately after application in case of soil drench. Use the entire package content.
- › Although **NEMATECH H[®] SP** is compatible with most fungicides and insecticides however tank mixing is not recommended.
- › Simultaneous use of nematicide must be temporally separated.

RATE SCHED.

| | Rate per m ² | Rate per Ha | Freq. | Interval | REI* & PHI** |
|----------------|-------------------------|-------------|-------|----------|--------------|
| Preventative | 50k | 500m | - | 14 days | 0 |
| Light Curative | 125k | 2.5bn | 2x | 14 days | |
| Heavy Curative | 250k | 5.0bn | 2-3x | 7 days | |

* Infective juveniles/Ha

STORAGE

| | |
|------------------|--------------|
| Storage temp. | 8-12°C |
| Conditions | Dark and dry |
| Max storage time | 2 weeks |

Do not freeze. Store upright in original unopened container.

PACKAGING

| | |
|--------------------------------|-----------|
| Beneficial nematodes as packed | |
| Quantity | Pack Size |
| 250,000,000 | 200ml |



IPM ADVICE

Before introducing **NEMATECH H[®] SP** to your crop it is important that the plant is clean of negative chemical residues. Please consult the Dudutech SIDE EFFECT GUIDE on dudutech.com for compatible chemicals.

If there are any questions about the product, please contact a Dudutech specialist in your area.