



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	<i>Heterorhabditis bacteriophora</i> Isolate DDT F27
Agent Type	Beneficial nematode

PRODUCT USES

Beetles and Grubs	Sciarid flies
Fungus gnats	Cutworms

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

BIOLOGY

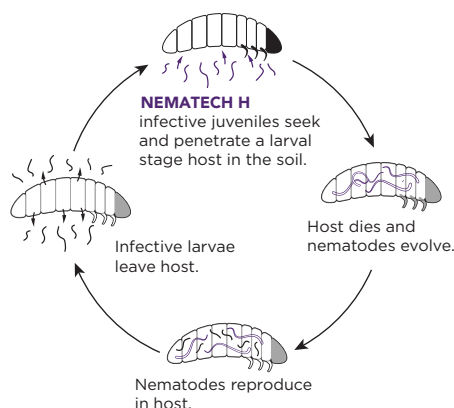
NEMATECH H[®] SP contains third stage infective juveniles (J3) of *Heterorhabditis bacteriophora* Isolate DDT F27 in an inert carrier.

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 molt to the next stage, feed on the dead insect, multiply and move out to find new hosts to infect. Parasitised 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 not recommended.

RATE SCHED.

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

SCAN TO DOWNLOAD

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 Bioline AgroSciences Africa SIDE EFFECT GUIDE on Dudutech.com for compatible chemicals.



If there are any questions about the product, please contact a Bioline AgroSciences Africa specialist in your area. Registration and availability may vary by region or country. For more information contact us using the details below.