



# NEMATECH S® SP

**NEMATECH S® SP** is a biological solution for the management of Thrips and sciarid flies.

## PRODUCT SPECS

Active Agent	<i>Steinernema feltiae</i>
Agent Type	Beneficial nematode

## PRODUCT USES

Thrips	Cutworm
Sciarid flies	Leafminer

**NEMATECH S® SP** kills pest insects by invading their bodies through an entomopathogenic process.

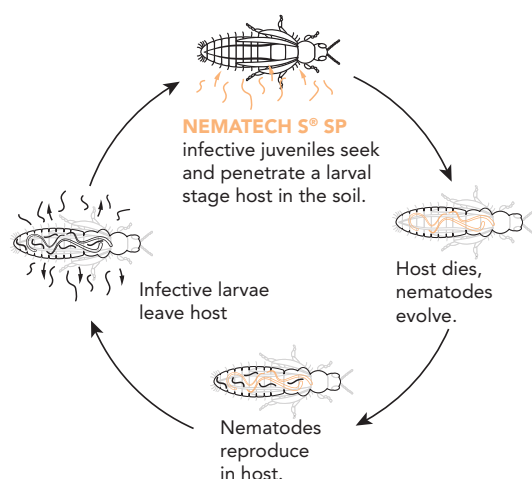
## BIOLOGY

**NEMATECH S® SP** is a biological insecticide containing third stage infective juveniles (J3) of *Steinernema feltiae* (Isolate DDT-D2), a naturally occurring insect killing (entomopathogenic) nematode used to manage Thrips and Sciarid Flies (Fungus Gnats). The nematodes enter the insect's body to complete their life-cycle, killing the insect in the process.

## MODE OF ACTION

The juvenile nematodes enter the insect's body through natural openings such as spiracles. Once inside the insect body, the nematodes release symbiotic bacteria (from the soil) which are lethal to the insect. The nematodes molt to the next stage, feed on the dead insect, multiply and move out to find new hosts to infect.

## LIFECYCLE AND ACTION OF NEMATECH S® SP



## ADVANTAGES OF NEMATECH S® SP

- Highly effective on the various stages of the Thrips lifecycle.
- Targets a wide range of insect pests.
- No resistance development to **NEMATECH S® SP**.
- Safe to the environment, beneficial organisms and applicators.
- No REI and no PHI required.
- NEMATECH S® SP** is not parasitic to plants.
- Easily carried in soil water.

## INTRODUCTION METHOD

**NEMATECH S® 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 1000L/Ha.
- Use a maximum pressure of 12 bars and spray nozzles of at least 0.5 mm.
- All filters smaller than 500µ in diameter must be removed to avoid blockages.
- Irrigate immediately after application in case of soil drench.
- Use the entire package content.

## RATE SCHEDULE

RATE SCHEDULE	Rate/Ha*	Interval (days)	REI & PHI
Preventative	2.0bn	30	0
Light/Medium Curative	2.0bn	7	
Heavy Curative	2.5bn	5-7	
When pest pop. reduces, revert to preventative.			

\* Infective juveniles/Ha

## BEST PRACTICE ADVICE

- Applications should be done early morning or late evening for maximum target reach, ensure continuous mixing.
- Apply to wet media or soil.
- Avoid using **NEMATECH S® SP** with incompatible pesticides.
- Simultaneous use of nematicides must be avoided.

## 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	1000ml

## SCAN TO DOWNLOAD

## IPM ADVICE

Before introducing **NEMATECH S® 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](http://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. This document is intended for informational purposes only. Contact us for more information using the details below.

**NEMATECH S® SP** is a registered trademark of Bioline AgroSciences Africa.