

NEM-TEC SF

Steinernema feltiae

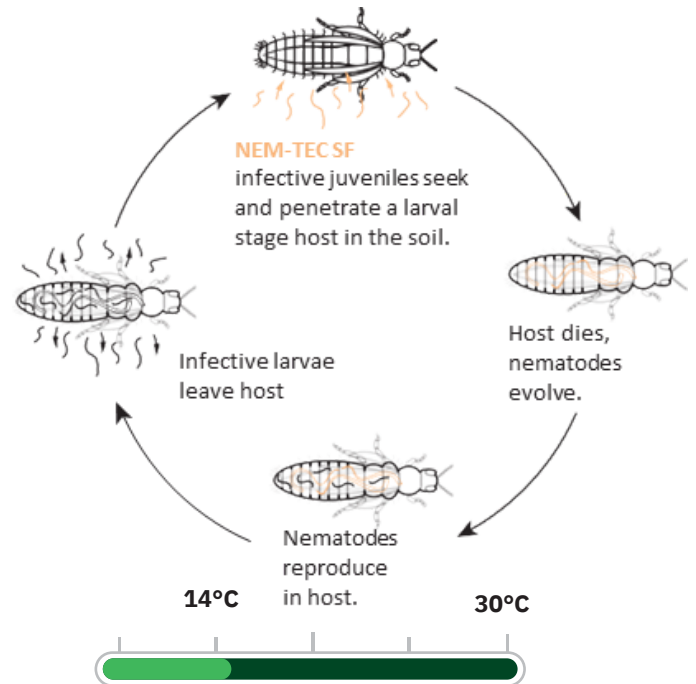
Steinernema feltiae kills pest insects by invading their bodies through an entomopathogenic process.

Description

NEM-TEC SF 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.

Life cycle and action

The juvenile nematodes enter the insect's body while in the soil through natural openings such as spiracles. Once inside the insect body, the nematodes release symbiotic bacteria (ingested 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.



most effectively when temperatures are between 15°C and 20°C.

Introduction method

- **NEM-TEC SF** 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 (14- 30°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.

Target pests and crops

Steinernema feltiae mainly targets:

- Thrips
- Sciarid flies
- Cutworms
- Leafminer



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Rate schedule

	Rate/Ha*	Interval (days)	PHI & REI
Preventative	2.0bn	30	0
Light Curative	2.0bn	14	
Heavy Curative	2.5bn	7	
	When pest pop. reduces, reverts to preventative.		

* Infective juveniles/Ha

Advantages of NEM-TEC SF

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

Best practice advice

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

Storage

Storage temp.	4-6 °C
Conditions	Dark
Max storage time	3 Months

Do not freeze. Store horizontally in original unopened container.

Packaging

Beneficial nematodes as packed
Quantity
250,000,000

IPM Advice

Before introducing **NEM-TEC SF** to your crop it is important that the plant is clean of negative chemical residues. Please consult your Insectec Field Advisor for any enquire.

Disclaimer

The success of natural enemies is affected by many factors including initial pest population, climate and chemical residues.

