

Technical sheet nemaplus[®] depot

Entomopathogenic nematode *Steinernema feltiae* in a slow release formulation for preventative control of fungus gnats.

In which countries can nemaplus[®] depot be used?

Steinernema feltiae is an indigenous nematode in Europe including UK and Ireland, Canada, United States, Turkey and many other countries.

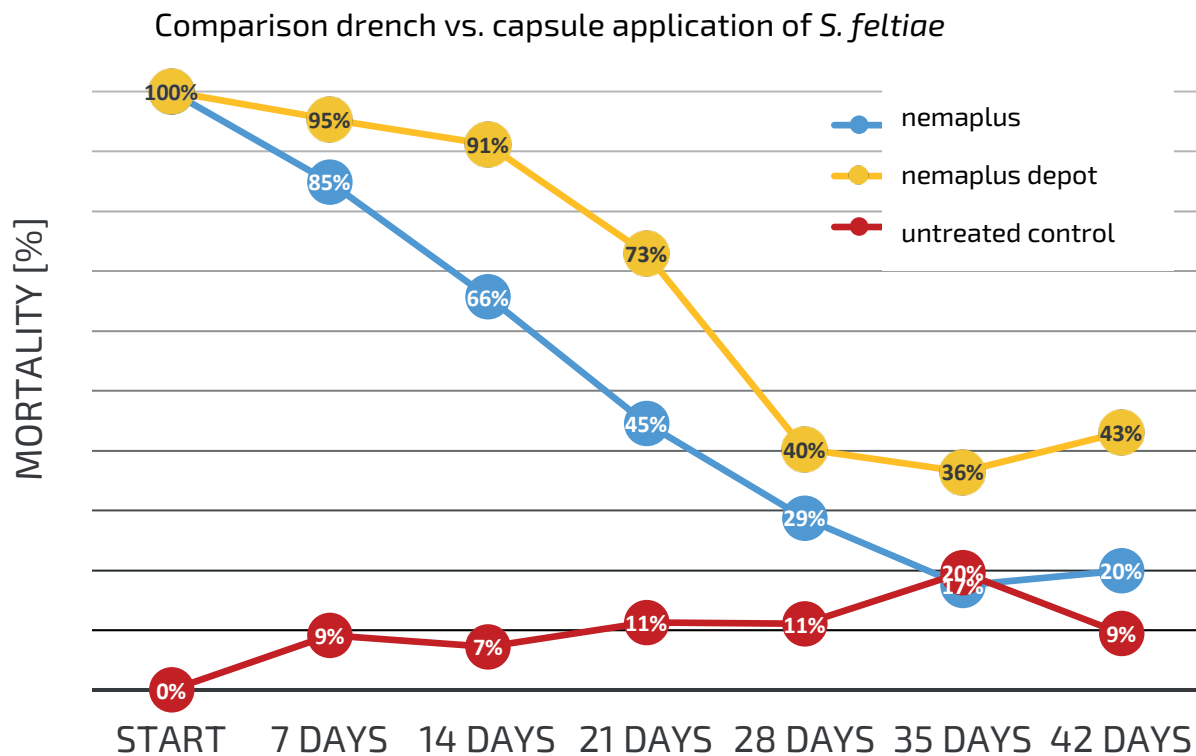
Target pests of nemaplus[®] depot

The host range of nemaplus[®] depot is the same as that of nemaplus[®] and comprises fungus gnats (*Lycoriella spp.*, *Bradysia spp.*), shore flies (*Scatella spp.*) and thrips (*Frankliniella occidentalis*, *Thrips tabaci*).

Advantages of nemaplus[®] depot

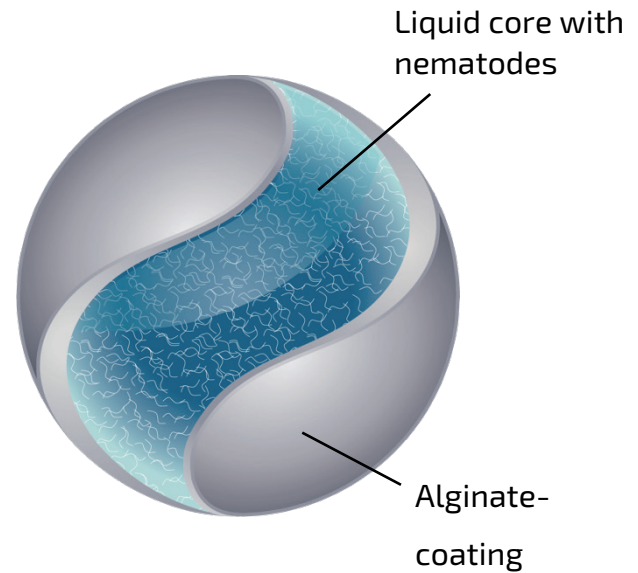
- controls sciarid larvae over a period of 6 weeks.
- allows preventative application independent from fly life cycle.
- doesn't need to be drenched in a critical growth phase.
- can be integrated into the common work flow.

Trial results



How does nemaplus® depot work?

One nemaplus® depot capsule contains approx. 2,000 nematodes (*Steinernema feltiae*) in a water-oil emulsion enclosed in an alginate shell. Upon contact with soil / substrate, the alginate shell becomes permeable within a week and the nematodes migrate. Over several weeks, new nematodes get into the substrate and look for sciarid fly larvae.



What is the effective temperature range?

Steinernema feltiae infects insects and causes host death at temperatures between 8° and 28°C. At higher temperature, nematodes become inactive.

How to best apply nemaplus® depot?

Mix the capsules evenly into the substrate or insert them into the planting hole when sowing, sticking or potting. Cover the capsules with at least 2 cm of substrate. Commercially available fertilizer spreaders are suitable for machine application. The substrate should remain moist during application.

If the capsules cannot be incorporated into the growing media, ensure high humidity or cover them with a fleece.

nemaplus® depot is effective for approx. 6 weeks, the highest effect is recorded in the 2nd - 4th week after application.

Dosages

Application form	Dosage nemaplus® depot
Mixing into the growing media	10 capsules (20,000 nematodes) per litre of growing media
Incorporation when sowing, sticking, potting	5-6 capsules (10,000 nematodes) per litre of substrate

Which substrates are suitable?

All organic substrates are suitable; freshly sterilized substrates containing almost no micro-organisms are not suitable.

Suitable	Not tested	Not suitable
Peat	Coco coir	Rockwool
Compost		Clay pellets
		Spun cotton

Can I use nemaplus® depot in organic production?

Yes, without any restriction. EU regulation on organic production 848 / 2018 recommends the use of natural enemies for pest and disease control.

All ingredients of the capsule are food suitable materials such as water, sun flower oil, calcium chloride, emulsifier and natural sodium alginate. All substances are completely biodegradable.

Shelf life and storage recommendation

nemaplus® depot should be used as soon as possible upon delivery but may be stored at 4 to 8° C for at least 2 months. Do not freeze or expose to temperatures above 35° C. To avoid limiting the supply of oxygen when storing, do not completely cover the perforated top. Rotate the pack regularly during storage to mix the capsules.

Compatibility with other plant protection agents

Compatibility is the same as for the standard formulation of *Steinernema feltiae*. Please consult the compatibility list on our website:

www.e-nema.de/service-en/compatibility-of-pesticides/

Packaging

nemaplus® depot is available in packages of 50 million nematodes.

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