

Entonem proves to be cold tolerant



Cold tolerant nematode



A strong player to control black vine weevil in early spring and autumn

Cold day 24h: 5-9-13-9°C



Several research trials, during which cold days were mimicked with fluctuating day and night temperature regimes ranging between 5 and 13°C within 24 hours, showed that Entonem can already be used from a lower threshold of 5°C.

Figure 1: Efficacy (%) expressed as percentage mortality of mealworms, 4 days after application of *Steinernema feltiae* in a sand column bioassay at 2 cold-cycle and one at optimal temperature (21°C) regimes throughout multiple trials. Means ± SE are shown. EPN dosage corresponds to standard label dose (500,000 IJs*/m²).





Trial 1





Trial 4

In multiple trials under cold-regimes Entonem proved to significantly control black vine weevil. Note that it can take more time (weeks) before the full effect of the nematodes is visible (best visible in trial 3). With difficult pests like black vine weevil it is more often observed that mortality can keep increasing along time.

Larvanem (*Heterorhabditis bacteriophora*) remains the best choice when soil temperatures fluctuate between 14 and 33°C.



Black vine weevil survival %





Days after application

30

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