

dianem[®]

Technical Data Sheet

Based on the entomopathogenic nematode
Heterorhabditis bacteriophora

**Biocontrol of the Western Corn Rootworm
with entomopathogenic nematodes.
Recommended in LIPS (Guideline for IPM in crop).**

dianem[®]

**Biologische Bekämpfung
des Maiswurzelbohrers**

dianem.at



The product

dianem[®] is based on the entomopathogenic nematode *Heterorhabditis bacteriophora*, a naturally occurring, insect pathogenic nematode.

Insects controlled

dianem[®] provides excellent control of the Western Corn Rootworm (*Diabrotica virgifera virgifera*). In Germany no registration required, recommended in LIPS (Guideline for IPM in crop).
Registration in Austria available (Pfl. Reg. Nr. 3318).

Application

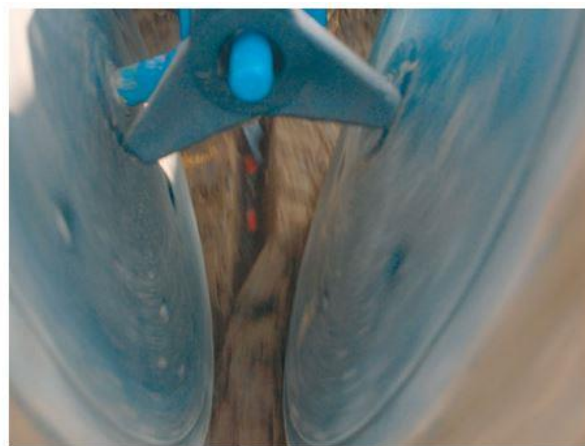
The recommended application rate is **1-2 billion nematodes per ha with 200 L water**. dianem[®] is applied during sowing into the rows. Nematodes are applied after the catcher roller of the sowing machine onto the seeds.

Special plough-shares are available for most seeding machines: Monsem NG 2, Monosem NG plus 3, Monosem NG plus 4, Kuhn Maxima and Kuhn Maxima II.

Efficacy of dianem[®] is not affected by fertilizers and most agrochemical plant protection products.



Injector with connection



Exact application during sowing onto the row

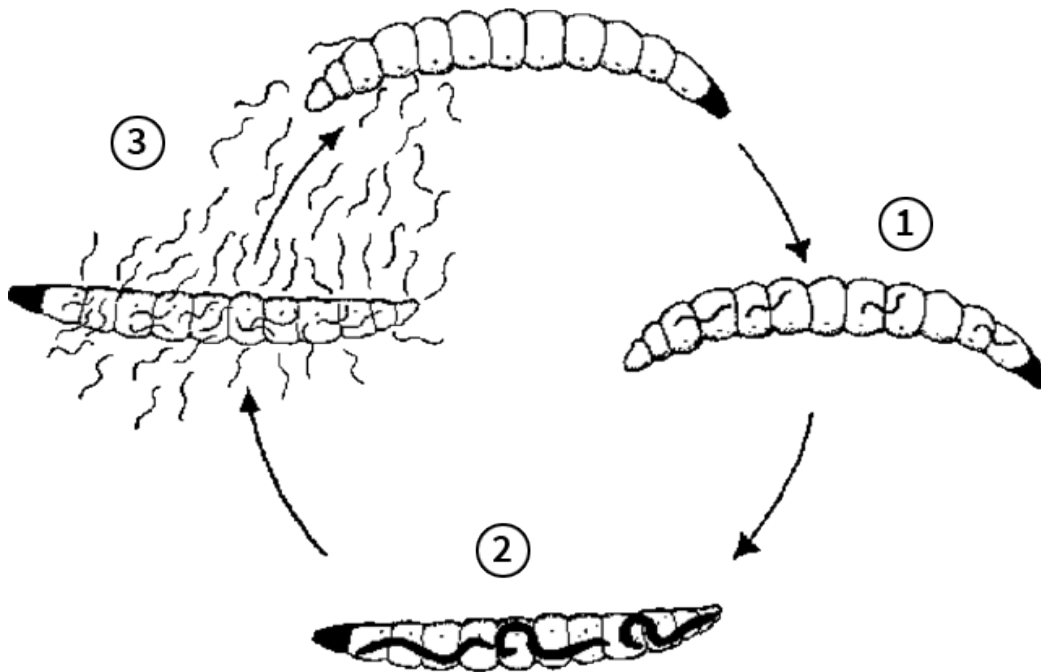
Without any technical changes, nematodes can be applied parallel to the single-seed sowing with the Kverneland iXtra front tank in combination with an Optima precision seed drill.



Kverneland iXtra front tank contains the nematode suspension

Detailed application information can be found in our application notes.

How dianem[®] works



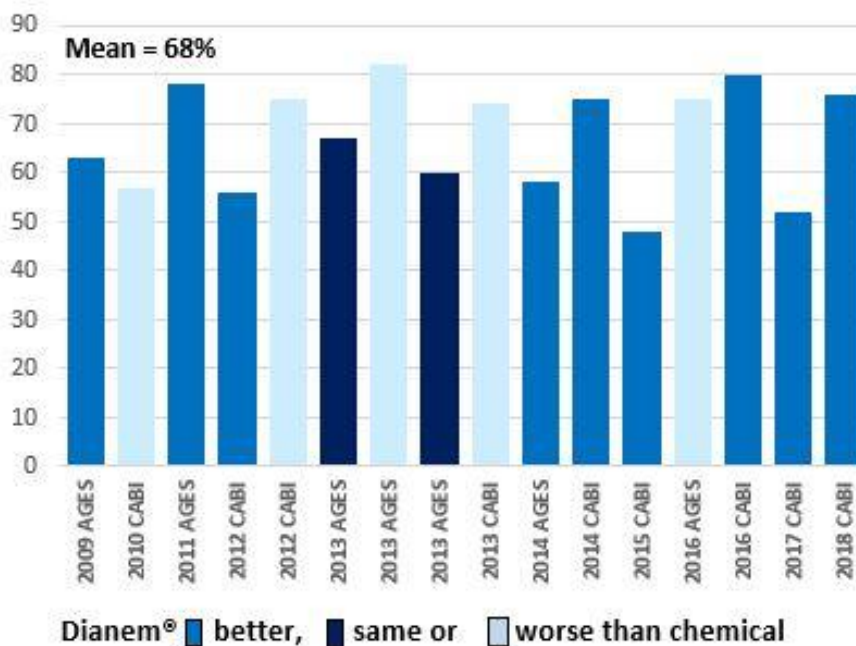
- 1** Nematodes actively search for insect larvae and enter the host
- 2** The larva dies after 2 days and the nematodes reproduce inside
- 3** A new generation of nematodes emerges from the insect and infects further larvae

Efficacy of dianem®

Results of many years field-testing have demonstrated that the reduction of larvae was higher or equal to those of chemical insecticides.

Reduction of adult population (in %) of Corn Rootworm

Results of 16 field trials with dianem® in Austria (AGES) and Hungary (CABI)



Advantages of dianem®

- Low investment costs into machine technology
- No harm for bees and earthworms
- No danger of resistances
- Also suitable for organic farming

Further informations: www.dianem.de

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