

Biological control of Leather Jackets, Mole Crickets and Black Cutworms

nemastar[®] contains infective juveniles of the insect pathogenic nematode *Steinernema carpocapsae* for biological control of leather jackets, mole crickets and black cutworms in turf and vegetables.

Application conditions

nemastar[®] is most infective at soil temperatures from 15 to 30°C.

It is very susceptible to UV-light and to desiccation and should therefore be applied in the evening or with cloudy weather.

The soil surface should be moist at the time of application.

Mole crickets

Apply **nemastar[®]** from April to August, as soon as soil temperatures are above 12°C.

nemastar[®] is very efficient against adult mole crickets, but less efficient against young larvae. Therefore, the treatment shall be repeated in the following year.

Cutworms

Apply from June to August as soon as first larvae are detected. The first cutworms die 4 days after application.

Application directions and rates

nemastar[®] can be easily applied with a watering can or conventional spraying equipment.

Apply nematodes with at least 1,200 litre water per ha.

500 million nematodes should be used for 1,000 m².

Irrigate with 1-2 litres of water after application to wash the nematodes off the leaves and to move the product below the soil surface.

For optimum results, maintain the soil moist for 3-4 weeks after application.

Compatibility

nemastar[®] is compatible with most chemical fertilizers and pesticides. Only a few insecticides have a negative impact. In these cases apply the nematodes 3 days earlier or 2 weeks later. A compatibility list can be downloaded at <http://www.e-nema.de/service-en/compatibility-of-pesticides/>.

Storage and handling

nemastar[®] should be used as soon as possible upon delivery. Store at 4 to 10 °C (see expiry date on package). It should never be frozen or exposed to more than 30°C. Remove all sieves in the tubing and at the nozzles. Use nozzles with at least 0.8 mm diameter. Do not exceed pump pressure of 5 bar. Mix the solution thoroughly and maintain agitation during spraying to avoid sedimentation of the nematodes!

Safety

The active ingredient and the formulation of **nemastar[®]** are safe to users, consumers and the environment. There are no restrictions or safety instructions for the usage of **nemastar[®]**.