



BioProtec SC®

Biological solution for the control of Chinch bug, European crane fly, Bluegrass billbug, Sod webworms and Cutworms

Product Features

- Beneficial nematodes: *Steinernema carpocapsae*.
- **Target species:** BioprotecSC® is a natural solution against moderate infestations of the surface feeding insect pest Chinch bug when applied to the foliage and European Crane Fly (leatherjackets), bluegrass billbug, sod webworms and cutworms when made as a soil application.
- **Mode of action:** Once introduced into the soil the nematodes, *Steinernema carpocapsae*, hunt down and attack larvae by penetrating their bodies and infect them with a bacteria that destroy them.
- **Application timing:** Spring and fall.
- **Coverage:** 10,500 ft² / 975 m²
- **Packaging:** Larvae (nematodes) stored in a sponge allowing for a 60 days viability guarantee (refer to the expiration date).
- **Storage:** Store in a dark refrigerated area between 4°C and 12°C (DO NOT FREEZE OR EXPOSED TO MORE THAN 35°C (86°F)). USE BEFORE EXPIRATION DATE. Do not expose to direct sunlight.

Instructions

- Apply treatment either in the morning or in the evening or when it is cloudy.
- Apply all dosage contained in the sponge. Do not divide.
- A non-ionic spreader sticker surfactant is recommended to increase efficacy against chinch bugs.
- Treat the most affected areas first and then continue application on the entire surface to ensure a complete cover of nematodes.
- For soil applications: Before application, water generously the surface to be treated (minimum 5 mm) or apply nematodes on a rainy day. Apply when soil temperature is between 12°C and 28°C. Keep the soil of the treated area humid for a period of 7 days after application.
- **With a sprayer attached to a water hose:** THE SPRAYER MUST NOT CONTAIN ANY FILTERS. Fill the sprayer with water and add the sponge containing the nematodes. Close the sprayer and shake well (for at least one minute). Fix the water hose to the sprayer and open the valve to start application.
- **With a sprayer (manual or motorized) or an irrigation system:** THE SPRAYER MUST NOT CONTAIN ANY FILTERS. In 20 liters or more water (15 to 20°C/59 to 68°F), add the sponge which contains the nematodes. Mix well. Let the solution dissolve for 5 minutes and mix a second time. Transfer the solution in the sprayer tank or irrigation system and fill the water tank until desired volume. Desired volume depends generally of the surface to treat. Higher water application volume will increase efficacy. More volume of water is important, better are the results. USE THE SOLUTION WITHIN 4 HOURS. ONE-TIME USE ONLY.
- **Method of application:** Use a hose with a diameter of 0.8 to 1 mm (800 to 1000 microns). For all sprayer systems, the pressure should not exceed 75 pounds per square inch (5 bars). The solution must be constantly agitated to prevent the nematodes from settling at the bottom. Avoid the excessive agitation of tank. ATTENTION: NEMATODES ARE VERY SENSITIVE TO CHEMICAL PESTICIDES.

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