



Integrated Management Strategies For Maximising The Efficacy Of Entomopathogenic Nematodes

Plan and Establish

- Categorise areas into priority for treatment should infestations occur.
- Establish acceptable thresholds for damage within priority areas.
- Establish index of pest population whereby treatment is required.

Monitor

Monitor for the emergence and live activity of adult beetles, either through hormone traps or visual observation. (May/June).

Identify species by sending samples of adult beetles through to us in the post immediately marked for Technical Department, Maxwell Amenity Ltd. Allscott Park, Allscott, Telford, Shropshire, TF6 5DY. Adult beetles should be sent in a small vial with tissue paper and can be placed into the freezer to humanely dispatch them beforehand.

Monitor soil temperatures for conditions in excess of 14 °C and not in excess of 33 °C.

Record

Record emergence activity, grub levels and distribution for reference in subsequent years.

Prepare

Take stock of nematodes 1-2 weeks prior to forecast application period to facilitate application in optimum circumstances.

Nematodes should be stored in a refrigerator at a temperature between 2-6 °C.

Apply when soil temperatures are warm (above 14 °C) and moist.

Apply 5-10 mm water to the turf the evening before treatment.

Subsequently apply 5 mm of water 1-2 hours before treatment.

Aerate the soil immediately prior to application with a sarel roller to ease nematode transition into soil contact.

Apply

Apply Entomopathogenic Nematodes 4-5 weeks post adult emergence.

Apply early in the morning, in the evening or on a cloudy day as the nematodes will be killed by UV light.

Apply when rain fall is forecast.

Remove all filters from the sprayer, these can be within the lance handle or top hat filters at the nozzle or alternatively in filter bowls within pipes after the pump.