

# Mined: Biocontrol for Root Aphids

**Mined** are a naturally occurring entomopathogenic nematodes that kill the larval stage of insects, such as root aphids

**Packaging:** Mined is available in sponges of 10 million, 25 million, and 50 million

**Storage:** Upon receipt of product, remove from shipping packaging and use immediately or store in a refrigerated area 5°C (40°F) Do not freeze. Do not use if incorrectly stored. Store for a maximum of 8 weeks

## Precautions:

- Sponges can not be subdivided, however well mixed solution can be portioned.
- Once a sponge is mixed with water into a suspension, use the entire suspension immediately.
- Use cool/tepid water for mixing and keep tank out of direct sunlight.
- Remove filters that are finer than 100 mesh from application equipment and nozzles.
- Do not use in application systems where nozzle aperture is smaller than 0.149 mm (149 microns).
- Do not exceed 300 PSI pump pressure.
- Provide gentle agitation or aeration to the nematode solution during application.
- Do not store extra product once mixed with water.

**Application and Mixing Instructions:** Mined can be applied using common application equipment, (including tank sprayers, backpack sprayers and irrigation injection systems).

## DRENCH APPLICATION

- Prepare stock solution for drench application via an injector or siphon (e.g. Hozon). Final stock solution volumes by sponge size and injection ratio are listed in the table below.

Product Size	Treatment Area	Stock volume for injection at 1:100	Stock volume for siphon at 1:15 to 1:20
10 million	500 ft <sup>2</sup>	0.33 gal	1.6 gal
25 million	1000 to 1500 ft <sup>2</sup>	0.5 gal	2.5 gal
50 million	1500 to 2000ft <sup>2</sup>	0.7 gal	3.5 gal

- Ensure the potting media is moist prior to preparing the nematode solution.
- Prepare the stock tank with tepid water, using the stock volumes indicated in the above table.
- Open the Mined package carefully. Empty the package into the prepared stock tank. Wring sponge 5 to 10 times into the stock tank. Rinse all bags with water to release any nematodes.
- Maintain sufficient, gentle agitation during application to prevent nematodes from settling out of solution.
- Apply a sufficient volume of mixture to wet the top 1 to 1.5" of the growing media. Do not leach.
- Complete application within a 2 hour period of mixing the stock solution.

## TIPS FOR BEST RESULTS

- Ensure that the media is moist before applying nematodes. Irrigate if necessary.
- Nematodes require moisture to survive; avoid allowing the media to dry out completely following treatment.
- Media temperatures should not fall below 8°C (46.4°F) for 14 days following treatment. At media temperatures above 30°C (86°F) activity may be reduced.
- Do not apply in bright sunshine. The best times for application are in dark weather conditions and at night.
- All fine filters (100 mesh or with diameters < 0.149mm) must be removed from booms or sprayers, so that blocking of nematodes during application is avoided.
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- When applying nematodes to flood tables or other hydroponic systems DO NOT release nematodes into system reservoirs. Apply nematodes directly to root zone by drench

**Warranty:** NIC warrants that this product conforms to the description on the label and is reasonably fit for purpose stated on the label when used in strict accordance with directions.

**Remedies:** The remedy for injury or damage from this product is limited to, in NIC sole discretion, replacement of the product or refund of the purchase price paid; under no circumstances shall NIC be liable for incidental, consequential or special damages.

**Limitation of Liability:** No one is authorized to change the statements contained in this label. NIC and the seller are not liable for personal injury or property damage or loss, including crop damage or lack of performance, due to circumstances beyond their control, such as product user's failure to comply with the directions. Buyer as user assumes all risk for these events.

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