

TECHNICAL DATA SHEET (TDS)

Product	ANTI-LOCUST	Document	Technical Data Sheet
Category	Biological insecticide support product for grasshoppers and locusts	Code	CEON-TDS-77-R05
Catalogue source	CEON catalogue PDF page 80	Status	Technical publication copy - final regulatory review required

1. Product identity and technical positioning

A biological grasshopper/locust management formulation based on *Nosema locustae* spores with neem seed oil. It is intended for integrated pest-management programmes where legally authorised.

Intended technical function

Biological insecticide support product for grasshoppers and locusts.

Physical form

Liquid biological formulation. Appearance, density, pH, moisture and particle-size values are controlled by the approved batch specification and shall be reported on the batch COA.

2. Guaranteed analysis

Parameter	Specification
<i>Nosema locustae</i> active ingredient	0.05% w/v
Neem seed oil	5% w/v
Other ingredients	94.95% w/v

Quality-control note

Declared nutrient or active-content values are catalogue specifications. Final release requires identity, appearance and relevant analytical checks against the approved master specification. No batch result is implied by this TDS.

3. Agronomic benefits and mode of use

- Biological mode of action targeted at grasshoppers and locusts.
- Catalogue positioning indicates low risk to humans, pets and wildlife when correctly used.
- Suitable for foliar, soil-zone and drip-system delivery according to crop programme.
- Can be integrated with monitoring, early treatment and repeat applications where permitted.

4. Application programme

- General catalogue guidance: 3 L/ha in approximately 500 L water (about 6 mL/L).
- Apply thoroughly to crop canopy and pest feeding zones, preferably early morning or late evening.
- For root-zone use, mix at approximately 6 mL/L and deliver through irrigation where appropriate.
- Crop-specific maximum use, retreatment interval, REI and pre-harvest interval must follow the locally authorised label.

Application principles

- Calibrate injection or spray equipment before use.
- Base the final rate on crop, growth stage, water quality, soil/leaf analysis, climatic conditions and local agronomic advice.
- Do not exceed the catalogue rate or the legal label of any tank-mix partner.
- Ensure uniform distribution and adequate water volume for the intended application.

5. Compatibility and tank-mixing

Biological viability may be harmed by disinfectants, strong acids/alkalis, oxidisers and incompatible fungicides. Use clean non-chlorinated water where possible. Do not market or use as a pesticide without local registration/authorisation.

Recommended sequence

- Fill the clean tank partly with water and start agitation.
- Add water conditioners first where applicable, followed by dry products, suspension products, soluble concentrates and emulsifiable concentrates according to partner labels.
- Add organosilicone adjuvants near the end of filling.
- Complete with water and maintain appropriate agitation.

6. Packaging, storage and handling

Packaging: 1 L, 5 L, 10 L and 20 L commercial packs.

- Keep in the original, tightly closed and correctly labelled container.
- Store in a cool, dry and ventilated area away from direct sunlight, frost, excessive heat and incompatible materials.
- Keep biological products away from disinfectants and conditions that reduce viability.
- Prevent contamination of food, feed, seed and drinking water.
- Use appropriate gloves and eye protection during handling.

7. Technical limitations

- Performance depends on correct diagnosis, dose, timing, water quality and application coverage.
- Catalogue benefits are technical positioning statements and are not a guarantee of yield.
- Pesticidal or biological-control uses are subject to local registration, approved label and maximum-residue/worker-safety requirements.
- This document does not replace local legal labelling, product registration, crop-protection labels or professional agronomic advice.

8. Document control

Source reference: CEON Products Catalogue, PDF page 80. This Rev.05 document expands the catalogue information into a website/distributor technical format. Regulatory classification, local-language label, shelf life and market-specific claims must be approved before commercial issue.