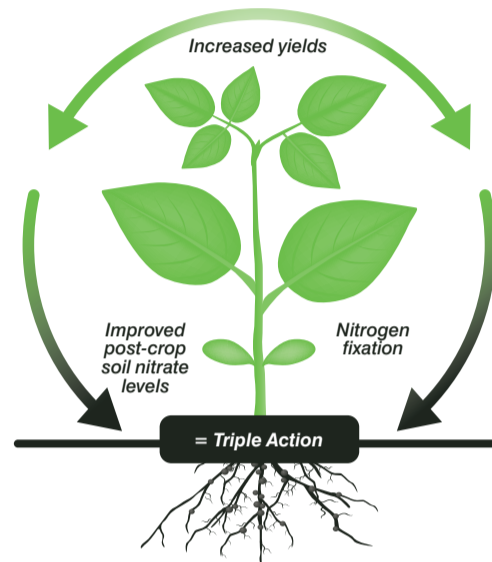


Messina

Steps for maximum nodulation

- Moist soil
- Non-chlorinated water
- Double application is beneficial
- Sow treated seed within 24 hrs



Precautions: Best stored between 4°C–10°C. Do not freeze. Do not use beyond the expiration date. Do not store opened pack of inoculant. Avoid contact with eyes and/or inhaling dust – may cause irritation.

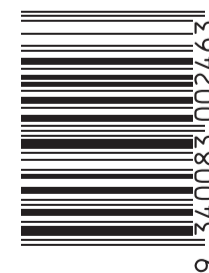
Pesticides: Most seed treatments, pesticides and trace elements are toxic to Rhizobia. Check with NEM for compatibility.

Fertilisers: Slurry inoculated seed should never be mixed with highly acid or alkaline fertilisers as Rhizobia numbers will deteriorate very rapidly. Excessive use of starter Nitrogen or high levels of nitrate in the soil can delay or reduce nodulation.

Warranty: As the manner of use of this product is beyond the company's control, no warranty is given other than those warranties implied by the Competition and Consumer Act 2010. In any event, liability of the company is limited to replacement of this product or the payment of the cost of doing so.



EXPIRATION / BATCH#



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NoduleN™

A better way to maximise your legume yields

Messina

SRDI554

Sinorhizobium medicae

Treats 125kg Messina Seed

Legume Inoculant

- Increased yields
- Nitrogen fixation
- Improves soil nitrate levels

FOR BEST RESULTS, STORE BETWEEN 4°C - 10°C.
DO NOT FREEZE. STORE OUT OF DIRECT SUNLIGHT.

Jumbo Pack

NoduleN™

Directions for use:

For optimal performance, sow treated seed within 6 hrs of inoculation and no later than 24 hrs after seed treatment, into a moist soil profile.

Mixing Ratios for Slurry Method

Standard Pack	1 L water
Jumbo Pack	4–5 L water
Mega Pack	8–10 L water

Slurry Inoculation Method

1. Select correct **group type** for the legume seed being sown.
2. Prepare a slurry by mixing the entire contents of this pack with **cool, clean, non-chlorinated water**.
3. Stir to ensure that inoculant is thoroughly dispersed.
4. Pour this slurry over the correct weight of seed and mix until all seeds are coated.
5. For mixing, run seed and inoculant slurry up an auger.

Liquid Injection Method

1. Select correct **group type** for the legume seed being sown.
2. The application rate of rhizobia required per liquid injection tank volume is depending on seed sowing rate (kg/ha), kgs of seed treated per vial (kgs), injection water rate applied (L/ha) and injection tank volume (L). Row spacing can vary from 20 to 50 cm but inoculation rates are calculated on seeding rate as kgs/ha.

Using the following formula will determine the number of jumbo or Mega NoduleN™ packs required to be added to the injection tank to achieve the minimum necessary amount of rhizobia in the seed furrow. The suggestion is that the number of Jumbo or Mega packs are rounded up to the next whole pack as part once a NoduleN™ pack is open it is not recommended it is stored for future use.

Example formula for number of NoduleN™ packs per 1000 L

$$\left[\frac{\text{Sowing rate (kg per ha)}}{\text{* Kg of seed treated per pack}} \right] \div \left[\frac{\text{Water rate (L per ha)}}{1000 \text{ L (Tank size)}} \right]$$

* Seed size and number of seeds per kg varies. Please refer to the inoculant group chart and Technical Data Sheets for kg of seed type treated per NoduleN™ pack size (Standard, Jumbo, Mega).

3. Place required number of NoduleN™ packs into a porous bag (ie. calico bag, stocking) to help reduce blockages.
4. Suspend bag within the tank while filling with **cool, clean, non-chlorinated water**.
5. To help prevent blockages, ensure filters are 80 mesh or coarser.
6. Apply solution at desired rate. Ideally, the solution should be in contact with the seed at sowing.

For more information or to seek specialist advice, call +61 2 6025 0044
Visit: www.nem.com.au



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