

N-Prove[®] granular

nitrogen-fixing inoculant for

**pea, lentil
and faba bean**

Extended Label

MINIMUM GUARANTEE

ACTIVE: 1.0×10^8 *Rhizobium leguminosarum* viable cells per gram

INERT: Gypsum granules with sterilized peat, polymer and water



HOW TO APPLY N-Prove granular should be applied directly with the seed in the seed row using a granular tank for application. Application rates will vary according to row spacing (refer to Table 1 for details).

• **Drop N-Prove granular bag once on each edge to loosen compacted granules.**

- Before using, make sure that the hopper, rotor, feeding mechanism and calibration equipment are free from chemical residue, fertilizer and debris.
- Make sure that the tubing to the planting shoe is as straight and vertical as possible.
- Do not auger N-Prove granular.
- Do not mix N-Prove granular in the same tank with fertilizers, granular pesticides or seed.
- Use air seeder tank screen when filling tank or seed cart.

- Apply in-furrow only. Do not band.
- N-Prove granular can be used with pesticide treated seed.
- Follow calibration instructions supplied by the air cart manufacturer. Check flow regularly.
- Calibrate your equipment to deliver the correct amount of N-Prove granular per acre for your row spacing (refer to Table 1).
- Calibrate with a few bags before adding more inoculant to the tank or seed cart.
- A maximum of 16 bags per tank should be used. Under humid conditions, reduce the number of bags per tank and check flow on a regular basis.
- Do not leave N-Prove granular in tank or seed cart overnight.

Table 1. Application Rates for 21.6 kg (47.6 lb) Bag of N-Prove Granular

Row Spacing	15.2 cm (6.0 in)	17.8 cm (7.0 in)	20.3 cm (8.0 in)	23.0 cm (9.0 in)	25.4 cm (10.0 in)	30.0 cm (12.0 in)	38.0 cm (15.0 in)
Application Rates	8.0 kg/ha (7.1 lb/ac)	6.9 kg/ha (6.1 lb/ac)	6.0 kg/ha (5.4 lb/ac)	5.3 kg/ha (4.8 lb/ac)	4.8 kg/ha (4.3 lb/ac)	4.0 kg/ha (3.6 lb/ac)	3.2 kg/ha (2.8 lb/ac)
Area Treated per bag	2.7 ha (6.7 ac)	3.1 ha (7.8 ac)	3.6 ha (8.8 ac)	4.1 ha (9.9 ac)	4.5 ha (11.1 ac)	5.4 ha (13.2 ac)	6.7 ha (16.4 ac)

Note: The bulk density for N-Prove granular averages 0.9 g/cm³ (56 lb/ft³).

HOW IT WORKS The active ingredient in N-Prove for pea, lentil and faba bean, the naturally occurring bacterium *Rhizobium leguminosarum*, grows on plant roots and forms root nodules which convert or fix nitrogen from the air into forms the plants can use.

SPECIAL CONSIDERATIONS Environmental conditions can change the flowability of N-Prove granular inoculant.

- Do not allow N-Prove granular to get wet or to dry out.
- Humid and damp weather can cause granules to absorb moisture which may lead to compaction in the tank.
- In humid conditions check and clean metering system regularly to ensure consistent flow.

N-Prove®

NITROGEN-FIXING INOCULANT



Philom Bios
the inoculant company

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* Available 24 hours a day/7 days a week,
April - June 15, otherwise business hours.

STORAGE AND HANDLING N-Prove requires specific storage conditions to ensure viability and product performance:

- Store N-Prove bags under cool conditions < 20°C (68°F) away from sunlight and direct heat sources.
- Minimize temperature fluctuations.
- Avoid freeze/thaw cycles.
- Use entire contents of bag after opening.
- Use before the expiry date. The expiry date is valid only for unopened bags stored under the conditions listed above.

Unused N-Prove should be disposed of in accordance with applicable civil statutes and guidelines.

WHERE TO USE FOR MAXIMUM BENEFIT

- Higher nitrogen fixation from N-Prove occurs in soils that are low in available forms of nitrogen and populations of *Rhizobium leguminosarum*.

LIMITATIONS

- Do not use N-Prove on soils with high nitrogen levels or with high application rates of nitrogen fertilizer.

LIMITED WARRANTY The seller warrants that this product contains a minimum number of *Rhizobium leguminosarum* viable cells as specified on this label. The seller makes no other warranty, expressed or implied, as to product viability or performance since storage, use, and growing conditions are beyond the seller's control. Seller's guarantee is limited to the terms set out on the label and subject thereto. Buyer assumes the risk to persons or property arising from the use or handling of this product and accepts the product on that condition.