

NODULATOR® PRO 100

Liquid Pre-inoculant system for soybean

Bradyrhizobium japonicum



Registration Number 2012074A Fertilizers Act

Sufficient to treat 4,536 kg (10,000 lbs. / 200 x 50 lbs. units) of seed.

Net contents:

3.0 kg, (3.0 L) PRO Liquid Inoculant

3.0 kg, (3.0 L) PRO Conditioner Component

For commercial application only. Not for on-farm application.

DIRECTIONS FOR USE

Shake all containers well before use.

Before using this product, read all the following instructions carefully. Open contents of this product only when ready to use. Shake all containers well before opening. Any opened but unused materials must be discarded after 24 hours. Always mix all components of this product together in seed treatment mixture. Applying products separately will result in reduced performance.

TO TREAT 4,536 kg (10,000 lbs.) OF SOYBEAN SEED: In a clean mixing container or tank, thoroughly mix the complete contents of one (1) 3.0 L (101 fl. oz.) bladder of PRO Liquid Inoculant with the complete contents of one (1) 3.0 L (101 fl. oz.) bladder of PRO Conditioner. Continuous and gentle agitation throughout the mixing and application process will enhance application and survival characteristics. For maximum on-seed survival of Rhizobium, mix and apply this product separate from any other seed treatment products.

WHEN APPLIED AS A STAND-ALONE TREATMENT: If this product is to be applied without other seed treatment(s), for each 4,536 kg (10,000 lbs.) of treated seed (equivalent to 200 x 50-lb seed units) thoroughly mix one complete set of components together with 8.8 L (300 fl. oz.) of cool, clean, non-chlorinated water. Then apply the resulting mixture to soybean seed at a rate of 326 mL/100 kg (5.0 fl. oz. per 100 lbs.) of seed. NOTE: While you may apply this product at a rate of as low as 130 mL/100 kg (2.0 fl. oz. per 100 lbs.) of seed without the addition of water, both the evenness of seed coverage and rhizobial survival will be enhanced when total volume of liquid applied to the seed is 326 mL / 100 kg (5.0 fl. oz. per 100 lbs.) of seed.

WHEN APPLIED WITH A SEED TREATMENT: If applied with additional seed treatment(s), this product may be applied at a rate of 130 mL/100 kg (2.0 fl. oz. per 100 lbs.) of seed with no additional water as long as the total liquid volume being applied (this product plus all other seed treatment active/polymers/colorants) is at least 326 mL / 100 kg (5.0 fl. oz. per 100 lbs.) of seed. Both a wet sequential (also known as simultaneous) application method, using a separate application tank for the active chemicals/polymers/colorants (preferred), or a tank mix can be used for such an application.

Label preinoculated seed with Rhizobium treatment tag as per regulatory requirements.

SEED TREATMENT COMPATIBILITY

Some seed treatments may be harmful to the efficacy of this product. Contact your dealer/manufacturer for current details. Please observe planting window recommendations for optimal responses (remembering that these are maximum values).

STORAGE/PRECAUTIONS

Store this product between 2-15°C (36-59°F), and away from direct sunlight. DO NOT ALLOW THIS PRODUCT TO FREEZE. Do not use inoculant that is past its expiry date or that has not been correctly stored. Products must be used (applied to seed) within 24 hours of being opened and mixed.

Store seed treated with this product as **cool as possible** (not exceeding 20°C (68°F)) and away from direct sunlight. For more uniform temperature control, store product and treated seed as close to floor level as possible in a dry, covered and unheated storage area. If seed is not planted within 60 days from inoculation, the seed must be re-inoculated.

GHS: The product does not require a hazard warning label in accordance with GHS criteria.

GUARANTEE

The PRO Liquid Inoculant component of this product contains a minimum of 1×10^{10} viable cells of *Bradyrhizobium japonicum* per gram. When applied to seed and stored as directed, this product supplies and maintains greater than 1×10^5 viable rhizobial cells per seed.

The product has only been demonstrated to be efficacious under limited soil and environmental conditions relevant to the Canadian regions in which it is to be used.

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