

# Nodulator<sup>®</sup> Liquid Inoculant

## Liquid Inoculant for Pea and Lentil



### CONTAINS NONPLANT FOOD INGREDIENTS

Soil Amending Guaranteed Analysis

**Active Ingredient:**

*Rhizobium leguminosarium*..... 7.5x10<sup>8</sup> Colony Forming Units per Milliliter

### FOR PROFESSIONAL USE ONLY

**Keep Out of Reach of Children**

This product does not require a hazard warning in accordance with GHS criteria.

**Net Contents:**

BASF Corporation  
26 Davis Drive, Research Triangle Park, NC 27709

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## Directions For Use

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**Application Rate: 75 mL (2.5 fl. oz.) of inoculant (75 grams) per 27.2 kg (60 lbs.) of seed.**

The application rate suggested is the minimum; larger volumes of inoculant per bushel of seed have been reported to be advantageous.

1. **SHAKE WELL BEFORE USING.**
2. Replace bladder lid with hose kit.
3. Invert bladder above treatment area so the end of the hose is just above the seed (for accurate application rates, ensure hose is straight when dispensing inoculant).
4. Adjust flow valve to regulate the recommended application rate (see table below).
5. To ensure adequate mixing of seed and inoculant **DO NOT** run auger at greater than HALF capacity.
6. Assess the application rate several times during inoculation to ensure correct target flow rate.

Flow Valve Setting	Inoculant Flow Rate		Seed/Auger Flow Rate	
	mL/min	fl oz/min	kg/min	Lbs (bu)/min
1	360	12	131	286 (5)
2	860	29	313	690 (11)
3	1240	45	487	1071 (18)
4	1660	56	604	1333 (22)
5	1780	60	647	1428 (24)
6	2030	68	738	1619 (30)

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## Storage and Disposal

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**Storage:** Segregate from foods and animal feeds. Keep away from heat. Protect against moisture. Protect from direct sunlight. Store protected against freezing. Protect from temperatures below 5°C (41°F) and above 25°C (77°F). Changes in the properties of the product may occur if substance/product is stored outside the indicated window.

**Waste Disposal of Substance:** Must be disposed of or incinerated in accordance with local regulations.

**Container Disposal:** Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

**Accidental Release Measures: DO NOT** discharge into the subsoil/soil. **DO NOT** discharge into drains/surface waters/groundwater. For small amounts: Contain with dust binding material and dispose of. For large amounts: Sweep/shovel up. Dispose of absorbed material in accordance with regulations. Collect waste in suitable containers, which can be labeled and sealed.

## Precautions

- Inoculants are live organisms. For more uniform temperature control, store at floor level. Ensure that inoculant is stored correctly prior to use.
- Once opened, use the product within 24 hours. If inoculated seed is not planted within 4-6 hours, it must be re-inoculated.
- **DO NOT** use inoculant that is past its expiration date or that has not been properly stored.
- Unless otherwise directed, do not mix inoculant with fertilizers or pesticides.
- Under adverse or stress planting conditions (hot, dry field conditions) it is suggested to increase the inoculant application rate.

## Seed Treatment Compatibility

Some seed treatments are harmful to liquid inoculants. Contact your dealer/manufacturer for current details. Please observe planting window recommendations for optimal responses.

Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations.

**State Right To Know Description and CAS # / TSRN**  
Proprietary compound / TSRN 161090809-5100

**EMERGENCY CONTACT:**  
**CHEMTREC 1-800-424-9300**  
**BASF Corporation 1-800-832-HELP (4357)**

### Conditions of Sale and Warranty

The **Directions For Use** of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and must be followed carefully. However, it is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or use of the product in a manner inconsistent with its labeling, all of which are beyond the control of BASF CORPORATION ("BASF") or the Seller. To the extent consistent with applicable law, all such risks shall be assumed by the Buyer. BASF warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the **Directions For Use**, subject to the inherent risks, referred to above. **TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BASF MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BUYER'S EXCLUSIVE REMEDY AND BASF'S EXCLUSIVE LIABILITY, WHETHER IN CONTRACT, TORT, NEGLIGENCE, STRICT LIABILITY, OR OTHERWISE, SHALL BE LIMITED TO REPAYMENT OF THE PURCHASE PRICE OF THE PRODUCT. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BASF AND THE SELLER DISCLAIM ANY LIABILITY FOR CONSEQUENTIAL, EXEMPLARY, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.** BASF and the Seller offer this product, and the Buyer and User accept it, subject to the foregoing **Conditions of Sale and Warranty** which may be varied only by agreement in writing signed by a duly authorized representative of BASF.

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NODULATOR LIQUID P/L SPEC 2019-02

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BASF Corporation  
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We create chemistry