

Nodulator[®] Inoculant

Granular Legume Inoculant Specific for Chickpea

- Technologically advanced carrier
- Easy flow formulation
- Performance and convenience

CONTAINS NONPLANT FOOD INGREDIENTS

Soil Amending Guaranteed Analysis

Active Ingredient:

Mesorhizobium cicer..... 8.7x10⁷ Colony Forming Units per Gram

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:

Sufficient to treat up to ___ acres (___ hectares)

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

Product Information

This granular inoculant contains living organisms and requires a relatively high moisture content compared to granular pesticides. To optimize flow (especially under humid conditions) it is suggested to only fill large compartments to no more than 50 percent capacity.

Directions For Use

Use loading auger to fill tank and screens provided by equipment manufacturer.

Handling Precautions

- This product contains live microorganisms and may cause adverse effects to sensitive individuals.
- If exposed to product dust, wear a NIOSH-approved (or equivalent) particulate respirator.
- Wash hands after using.

Use Precautions

- Use before expiration date.
- Apply granular directly into the furrow.

- **DO NOT** mix granular inoculant with granular pesticides or fertilizers during planting.
- Remove any unused granules from the hopper box at the end of each day's planting. **DO NOT** allow granules to sit in hopper overnight.
- Environmental conditions may affect flowability of the product. Regularly check metering system to ensure proper flow.

Application Rates: Apply granules at a rate of 5.6 kg/ha (5.0 lbs/acre). For equipment calibration purposes refer to the following table indicating row spacing versus application rate.

EQUIPMENT CALIBRATION

This hard-core granular inoculant is similar in particle size to some herbicide granules with a mean particle size distribution between 0.6 - 1.7 mm (92%) when submitted to standard Tyler Mesh particle size calibration and a bulk density of 0.90 grams per cubic centimeter (56 pounds per cubic foot).

Row Spacing		Application Rate	
Centimeters	Inches	Grams per 100 m	Grams per 100 yards
18	7	9.9	9.0
20	8	11.2	10.2
23	9	12.9	11.8
25	10	14.0	12.8
28	11	15.6	14.3
30	12	16.8	15.4
36	14	20.1	18.4
41	16	22.9	20.9

Storage and Disposal

Storage: Store locked up. 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 above indicated temperature for extended periods of time. Store bags flat and off the floor and away from pesticides and bulk fertilizers.

Waste Disposal of Substance: Dispose of contents to hazardous or special waste collection point.

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

State Right To Know Description and CAS # / TSNR

Magnesium Aluminum Silicate / 12174-11-7; Quartz (SiO₂) / 14808-60-7; Calcium sulphate / 7778-18-9; Proprietary compound / TSNR 161090809-5100; Naturally occurring active ingredient / TSNR 161090809-5935

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 CHICKPEA SPEC 2019-05

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Mississauga, Ontario, L5R 4H1, Canada


We create chemistry