



We create chemistry

SPECIMEN

Nodulator[®] Duo SCG

Solid-core Granular Pea and Lentil Inoculant

- Technologically advanced carrier
- Easy flow formulation
- Low application rate
- Performance and convenience

FOR PROFESSIONAL USE ONLY

Keep Out of Reach of Children

GUARANTEED ANALYSIS

CONTAINS NONPLANT FOOD INGREDIENTS

Active Ingredient:

Microorganisms: 1.31%

Rhizobium leguminosarum biovar viceae 8.0×10^7 cfu/g

Bacillus subtilis 2.0×10^8 cfu/g

Total Inert Ingredients: 98.69%

(Carrier, Coating Material, Diluent, Adhesive, Buffer, Binder)

Total: 100.00%

GHS Signal Word: WARNING

Hazard Statements: Harmful if inhaled. May cause respiratory irritation. May form combustible dust concentration.

Precautionary Statements (Prevention): Use only outdoors or in a well-ventilated area. Avoid breathing dust. Avoid breathing dust/fume/gas/mist/vapors/spray.

Precautionary Statements (Response): Call a POISON CENTER or physician if you feel unwell. IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Precautionary Statements (Storage): Store in a well-ventilated place. Keep container tightly closed. Store locked up.

Precautionary Statements (Disposal): Dispose of contents and container to hazardous or special waste collection point.



Net Contents: _____ pounds (_____ kilograms)

Product Information

This granular inoculant contains living organisms and requires a relatively high moisture content compared to granular pesticides.

Directions For Use

- Use loading auger to fill tank and screens provided by equipment manufacturer.
- Before filling, ensure that the screen at the top of the tank is in place.
- Ensure that inoculant bags and tank walls are dry prior to filling.
- Run fans at the beginning of each day as a precaution to dry any condensation that may have accumulated overnight.
- Granular inoculants require a dedicated tank to ensure correct rate application.
- To optimize flow (especially under humid conditions) it is suggested to only fill large compartments to no more than 50 percent capacity.

Use Precautions

- Use before expiration date.
- **DO NOT** allow product to get wet or dry out.
- Apply granular directly into the furrow. The product must not be applied at a depth that is less than the planting depth of the seed.
- **DO NOT** mix granular inoculant with granular pesticides or fertilizers during planting.
- Feeding mechanism should be cleaned often to ensure good flow.
- 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.

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.

EQUIPMENT CALIBRATION

Solid-core granular inoculant is similar in particle size to some herbicide granules with a mean particle size distribution between 0.6 to 1.7 mm (92%) when submitted to standard Tyler Mesh particle size calibration and a bulk density of 56 lb/ft³ (0.90 g/cm³).

Application Rates: For equipment calibration purposes refer to the following table indicating row spacing versus application rate. For additional row widths contact your BASF Representative.

One, 50-lb. bag will treat 10.6 acres (7" rows) to 18.5 acres (12" rows). One, 802.5-lb. tote will treat 170 acres (7" inch rows) to 298 acres (12" rows). Apply granular inoculant at a rate of 1 ounce (28.5 grams) per 1,000 linear row feet.

Row Spacing	Application Rate	Area Treated per Bag	
in	lb/ac	50 lb Bag	802.5 lb Tote
6	5.6	8.9	143
7	4.7	10.6	170
8	4.1	12.2	196
9	3.6	13.9	223
10	3.3	15.2	245
11	3.0	16.7	268
12	2.7	18.5	298

Storage and Disposal

Storage: Store in a well-ventilated place. Keep container tightly closed. Store locked up. Segregate from foods and animal feeds. Keep away from heat. Protect product from freezing. Store granular inoculant in a cool 35°F to 60°F (2°C to 15°C) dry place and away from pesticides and bulk fertilizers. Store bags flat, keeping off floor (i.e. pallet) to avoid direct contact with cold, damp surfaces. **DO NOT** stack product more than 2 pallets high. **DO NOT** allow product to get wet or exposed to extreme humidity. Store away from direct sunlight.

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: 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. Wear suitable protective equipment.

State Right To Know Description / CAS # or TSNR
Plaster of Paris / 26499-65-0

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.

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