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SPECIMEN

# Rhizo-Flo®

## Granular Inoculant for Soybeans

### CONTAINS NONPLANT FOOD INGREDIENTS

#### Guaranteed Analysis

#### Soil Amending Ingredient:

##### Active Ingredient

Microorganism..... <1.00%

*Bradyrhizobium japonicum*.....1x10<sup>8</sup> cfu/g\*

**Total Other (Inert) Ingredients:** ..... 99.00%

(Water-based culture medium, Peat, Sugar, Sugar alcohol,  
Thickeners, Buffers, Stabilizers, Yeast extract, Water)

**Total:**..... 100.00%

\*colony forming units/gram

Keep Out of Reach of Children

**Store between 34°-70°F (1°-20°C)**

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

#### Net Contents:

Guaranteed by:

BASF Corporation

26 Davis Drive, Research Triangle Park, NC 27709

This granular inoculant is intended to be applied in the furrow with the seed. It is not a seed application. It is a culture of highly effective strains of *rhizobia* (nitrogen-fixing bacteria) that colonize the plant roots to gather and fix nitrogen from the air, making it available to the plants. The granular material is placed in the herbicide or insecticide box and applied through the drill attachments or planting equipment applicator for uniform distribution in the seed furrow. A greater amount of bacteria can be made available to the developing plant in this manner. Since both seed and bacteria are placed in the productive environment of the seed furrow, the bacteria have an improved survival in the soil.

### Directions For Use

Apply granular inoculant directly below the seed in furrow. Use drill attachments or applicators to meter the material accurately (similar to applying small amounts of granular herbicides or insecticides). Use the equipment manufacturer's directions to calibrate before planting.

Consult your equipment owner's manual or manufacturer's representative for proper calibration instructions. Increased rates of granular inoculant may be beneficial, especially in problem soils. Over-application will not have harmful effects.

This product is not recommended as a fertilizer substitute.

### 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.

### Special notes:

- **DO NOT** allow product to get wet or dry out. Granular inoculant will tend to compact in heavy, humid and damp weather due to moisture absorption.
- **DO NOT** fill the boxes or tanks too full.
- Feeding mechanisms should be cleaned often to ensure good flow.
- Remove the unused material at the end of each day and replace in a polyethylene-lined bag. Close tightly.
- Once opened, use product within 24 hours.

**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, 40-lb. bag will treat 8.5 acres (7" rows) to 14.8 acres (12" rows).

One, 520-lb. tote will treat 110.6 acres (7" rows) to 192.6 acres (12" rows).

Apply granular inoculant at a rate of 1 ounce (28.5 grams) per 1,000 linear row feet.

Row Spacing in inches	Application Rate lb/acre	Area Treated per Bag	
		40 lb Bag	520 lb Tote
6	5.6	7.1	92.9
7	4.7	8.5	110.6
8	4.1	9.8	126.8
9	3.6	11.1	144.4
10	3.3	12.1	157.6
11	3.0	13.3	173.3
12	2.7	14.8	192.6
15	2.5	14.8	192.6
30	2.5	14.8	192.6

For row widths greater than 12", apply a minimum of 2.5lb/ac to ensure accuracy of granule placement with common seeding equipment.

### Storage and Disposal

**Storage:** Segregate from foods and animal feeds. Keep only in the original container in a cool, dry, well-ventilated place away from ignition sources, heat or flame. Keep inoculant as cool as possible, between 34°-70°F (1°-20°C). Store inoculant on pallet off of the floor. **DO NOT** leave product outside exposed to the elements. **DO NOT** allow inoculant to freeze and thaw repeatedly. **DO NOT** leave in warehouse if fumigants are in use. **DO NOT** allow product to get wet or exposed to extreme humidity. **DO NOT** stack product more than 2 pallets high.

**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 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

Proprietary compound / TSNR 161090809-5100; Naturally occurring active ingredient / TSNR 161090809-5935

## 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

*Rhizo-Flo is a registered trademark of BASF.*

**Limitations of Use:** Any purchaser or user agrees to handle and/or use this product in strict conformity with all limitations of use, including the prohibition of analyzing for content, disassembling, extracting, purifying, or otherwise obtaining any material, for any use whatsoever, from the product in any form. This prohibition specifically includes the growing or culturing of any material for further use of such material (or any progeny thereof) for ANY use whatsoever. User agrees that this product will only be used as instructed on the product label and only for the crop and purpose stated therein.

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