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SPECIMEN

# Vault<sup>®</sup> Liquid Peanut Rhizobial Inoculant

[Co-packed with Integral<sup>®</sup> Liquid Biofungicide]

In-Furrow Treatment For Peanuts

**CONTAINS NONPLANT FOOD INGREDIENTS**

**Soil Amendment Guaranteed Analysis**

**Active Ingredient :**

*Bradyrhizobium sp. (vigna)*..... 2 x 10<sup>9</sup> Colony forming units per milliliter

Keep Out of Reach of Children

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

**Vault® Liquid Peanut Rhizobial Inoculant** plus **Integral® Liquid Biofungicide** is a **Biostacked®** in-furrow treatment for peanuts, which includes:

1. **Vault Liquid Peanut Rhizobial Inoculant** – *Bradyrhizobium sp.*(vigna)
2. **Integral Liquid Biofungicide** for extended suppression of key soil-borne diseases

**Directions For Use**

**In-Furrow Application** - The **Vault Liquid Peanut Rhizobial Inoculant** plus **Integral Liquid Biofungicide** components must be diluted with cool, clean, **chlorine-free** water and applied as indicated in the following in-furrow application instructions. Each 1.1 gallon bladder of **Vault Liquid Peanut Rhizobial Inoculant** and bottle of **Integral Liquid Biofungicide** mixed together treats approximately 10 acres. (See the “In-Furrow Application Rates” table for suggested use rates based on row width.)

**In-Furrow Application Instructions:**

**Clean** – Ensure the liquid application machinery is fully flushed of chemical residues before adding inoculant slurry to spray tank.

**Configure** – Select and install and appropriate flow regulator (orifice) disk in order to achieve a constant, uninterrupted stream of liquid onto the seed in the furrow. Carefully adjust the position and flow of the **Vault Liquid Peanut Rhizobial Inoculant** and **Integral** mixture so that it falls directly onto the seed surface prior to covering in the furrow. Product efficacy may be limited if the mixture is either applied above or to the side of the seed in the furrow.

**Mix** – Pour the complete contents of the **Vault Liquid Peanut Rhizobial Inoculant** plus **Integral** into the spray tank. Adjust the volume of liquid to be sprayed to the required level using cool, clean, **chlorine-free** water. Ensure that the **Vault Liquid Peanut Rhizobial Inoculant** plus **Integral** components are thoroughly mixed prior to use. To avoid any settling out of the nitrogen-fixing bacteria, ensure that the spray tank contents are agitated frequently during application. The diluted mixture must be used within 24 hours. **Do not allow diluted tank mix to exceed 80°F (27°C).**

**In-Furrow Application Table (Suggested Rates)**

Row Width (Inches)	Recommended application rate (ounces per acre)*	Vault Liquid Peanut Rhizobial Inoculant and Integral components treat (acres)
24"	26.0	6.5
30"	20.0	8.4
32"	19.0	8.9
36"	17.7	9.5
38"	16.5	10.1
40"	15.3	10.9
42"	14.0	11.8

\*The concentrated liquid should be diluted with cool, clean, chlorine-free water and applied at 5 to 10 gallons per acre for low volume sprayers, or 10 to 20 gallons per acre for larger sprayers. For a known row width, ensure that the equipment is calibrated to deliver the correct application volume of 1.2 fl. oz. of liquid concentrate per 1,000 linear row feet.

**Precautions:** If soils are especially dry at planting, risk of damage to the inoculant can be minimized through light irrigation, if available. Under adverse or stress planting conditions (hot, dry field conditions), or on land which has not grown the specific legume in the past four years, it is suggested to increase the inoculant application rate.

**Seed Treatment Compatibility:** Some seed treatments can be harmful to inoculants. Contact your dealer/manufacturer for details. Please observe planting window recommendations for optimal responses.

**Storage and Disposal**

**Storage:** Segregate from foods and animal feeds. Inoculants are live organisms. **Store inoculant between 40°-77°F (4°-25°C), away from direct sunlight. Do not allow products to freeze.** For more uniform temperature control, store at floor level. Ensure that inoculant is stored correctly in the field prior to use. **Once opened, use within 24 hours.** Do not use inoculant that is past its expiration date or that has not been correctly stored. Unless otherwise directed, do not mix inoculant with fertilizers or pesticides.

**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: Pick up with suitable absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr). For large amounts: Dike spillage, Pump off product. 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.

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

**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

**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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