

# VAULT® LVL FOR SOYBEAN

## Liquid Legume Inoculant with **BioStacked®** Technology

### GENERAL INFORMATION

**VAULT LVL**, with BioStacked® Technology, is a scientifically advanced seed enhancement system. **VAULT LVL** is an inoculant system consisting of the following components:

- Multi-strain rhizobia inoculant
- Integral®, an EPA registered biological fungicide that suppresses diseases such as *Fusarium* and *Rhizoctonia* for better plant health.
- Conditioner for prolonged on-seed life.

### PACKAGING

**VAULT LVL** is available in two convenient sizes to meet your application needs:

- 4 x 50 unit
- 1 x200 unit

Both package sizes treat 10,000# of soybean seed

### GUARANTEE

The multi-strain inoculant contains a minimum of  $5 \times 10^9$  viable cells of *Bradyrhizobium japonicum* per milliliter.

### INSTRUCTIONS FOR USE:

For commercial application only. Not for on-farm application. Before using this product, read all the following instructions carefully. Shake all containers before use. Open packages only when ready to use. Prepare only as much of this material as can be used that same day. Any opened but unused material must be discarded at the end of each day. Do not apply individual components of **VAULT LVL** Inoculation System to the seed separately. **VAULT LVL** Inoculation System components must be mixed together as indicated in the following instructions prior to application to the seed. Use with an EPA-approved dye or colorant that imparts an unnatural color to the seed. Continuous agitation is recommended throughout the mixing and application process. This mixture will treat 10,000 lbs of soybean seed when applied according to label directions.

**If applied in a slurry without a seed treatment**, thoroughly mix sufficient amount of cool, clean non-chlorinated water with the **VAULT LVL** Inoculation System and apply the resulting mixture at a rate of 5.0 fl. oz. per 100lbs of seed. While the material may be applied without the additional water, rhizobia survival will be enhanced when total volume of liquid applied to the seed is at least 5.0 fl. oz. per 100 lbs. of seed

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**If applied in a slurry or in a tank mix with a chemical seed treatment** no additional dilution with water is necessary as long as the total volume is at least 5.0 fl. oz per 100 lbs of seed. Add the **VAULT LVL** Inoculation System mixture to an amount of chemical seed treatment appropriate to treat 10,000 lbs of seed. Mix thoroughly and apply the total volume to the seed. Always read and follow the use instructions on the seed treatment label.

**If applied in a wet sequential application with a chemical seed treatment** no additional dilution with water is necessary as long as total volume of liquid is at least 5.0 fl. oz per 100 lbs of seed. Keep treated seed as cool as possible (34-68° F /1-20° C). Plant all treated seed as soon as possible, and within a maximum of 30 days following inoculation without a chemical seed treatment. When this material is applied with a chemical seed treatment, a shorter planting window may be recommended.

### **SEED TREATMENT COMPATIBILITY**

Some seed treatments can be harmful to inoculants. Contact your dealer/manufacturer or visit our web site [www.beckerunderwood.com](http://www.beckerunderwood.com) for details.

### **NOTES AND PRECAUTIONS**

- 1) For best results seed should be planted as soon as possible.
- 2) Inoculants are live organisms. Always store inoculants and inoculated seed away from direct sunlight and below 77°F (25°C) temperatures.
- 3) When water is used for dilution, always use **chlorine-free water**.

### **EXPIRATION**

The inoculant in **VAULT LVL** has a one season expiration which ensures freshness to maximize nitrogen fixation for treated soybeans.

### **PRECAUTIONS**

Inoculants are live organisms. Store between 40-77° F (4-25° C), away from direct sunlight. Do not allow product to freeze. For more uniform temperature control, store at floor level. Ensure that inoculants and inoculated seeds are 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. If soils are especially dry at planting, any 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 land which has not grown soybeans for four years or more, more favorable results may be obtained if the inoculant application rate is increased.

**Always read and follow label instructions. The VAULT LVL label takes precedence over this technical bulletin.**

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