



*A Novel Biological Inoculant for Commercial Crops*

**Agricultural Benefits**

Gives crops a higher tolerance to abiotic stresses  
Increases nutrient use efficiency and crop yields

**Applicability**

Easy to use liquid formulation  
Treats crops with beneficial microorganisms  
Compatible with common seed treatment chemicals and microbes

**Guaranteed Analysis**

**CONTAINS NONPLANT FOOD INGREDIENTS**

Active Ingredient:

*Trichoderma harzianum* (minimum of 1x10<sup>6</sup> viable spores/ml) . . . . . 0.5%

Inert Ingredients:

Water (H <sub>2</sub> O) . . . . .	99.5%
<u>Total . . . . .</u>	<u>100.0%</u>

Lot # and Expiration Date: \_\_\_\_\_

**Net Volume:** 4, 8, 16, 32 or 169 fl. oz. (118, 227, 473, 946 or 4,802 ml)

**Purpose**

**BioEnsure**<sup>®</sup> is a dynamic microbial inoculant that imparts the power of beneficial symbiosis to plants. This relationship gives them a natural ability to tolerate abiotic stresses, as well as increasing nutrient use efficiency. Crops gain an increased tolerance to extreme hot and cold temperatures, as well as drought. And because they are operating more efficiently yields naturally increase. **BioEnsure**<sup>®</sup> is also designed to increase tolerance to poor soils, including low fertility, salty and sodic soils.

**BioEnsure**<sup>®</sup> is formulated to be compatible with existing seed treating equipment and chemicals and can be simply added as an additional component during the treatment process.

**Mixing Instructions**

*Seed Treatment:* To achieve optimal seed coverage, dilute **BioEnsure**<sup>®</sup> with water and apply directly to dry seed alone or in combination with other inoculants and/or other registered seed treatments (e.g., colorants, polymers, insecticides, nematicides and fungicides). Do not tank-mix **BioEnsure**<sup>®</sup> with fungicides or treatments containing biocides. Do not mix **BioEnsure**<sup>®</sup> with any product containing a label prohibiting against such mixing. When tank-mixing with any other registered seed treatments, always read and follow all use directions, restrictions, and precautions of both **BioEnsure**<sup>®</sup> and other products.

*In Furrow:* To achieve optimal seed coverage, dilute **BioEnsure**<sup>®</sup> with water or fertilizer and apply directly onto seeds during planting. After mixing, material should be applied within 8 hours. Do not tank-

mix **BioEnsure**<sup>®</sup> with fungicides or products containing biocides. Do not mix **BioEnsure**<sup>®</sup> with any product containing a label prohibiting against such mixing. When tank-mixing with any fertilizer, always read and follow all use directions, restrictions, and precautions of both **BioEnsure**<sup>®</sup> and other products.

*Foliar Spray:* To achieve optimal coverage, dilute **BioEnsure**<sup>®</sup> with water and directly apply onto plant tissue during vegetative growth stages. **BioEnsure**<sup>®</sup> can be mixed with fertilizer, minerals, or other microorganisms and should be applied within 8 hours of mixing. Do not mix **BioEnsure**<sup>®</sup> with any product containing a label prohibiting against such mixing. When tank-mixing with any fertilizer, always read and follow all use directions, restrictions, and precautions of both **BioEnsure**<sup>®</sup> and other products.

### Use & Rate Application Rates:

Applied either in furrow, as a foliar spray, or a seed treatment according to the table below:

Crop	In Furrow (oz/10 acres)	Foliar Spray (oz/10 acres)	Seed Treatment (oz/100lbs)
Alfalfa	1.00	1.00	0.25
Canola	1.00	1.00	0.60
Corn	1.00	1.00	0.20
Cotton	1.00	1.00	0.40
Pasture grass & Legume seed	1.00	1.00	0.25
Rice	1.00	1.00	0.25
Soybean	1.00	1.00	0.10

### Application Notes

Do not use with soil fumigants. Use **BioEnsure**<sup>®</sup> solution within 8 hours of any mixing. Do not exceed label dosage rates. Do not tank-mix **BioEnsure**<sup>®</sup> with fungicides or products containing biocides.

### Storage and Disposal

Keep from direct sunlight, from freezing and exposure to temperatures above 75°F (25°C). For long-term storage product is best kept at refrigeration temperatures (40°F /4°C). Follow any local applicable waste disposal regulations for inoculants and plant amendments. This product contains living microbes, for best results use by expiration date on the label.

### Handling

The microbes in this product are not harmful to humans. However, in the rare instance of an allergic reaction, we recommend gloves, eye protection and mask be used when handling material. Wash hands with soap and water after using. Do not swallow, avoid contact with eyes and open skin. Keep out of reach of children and pets.

Information regarding the contents and levels of metals in this product is available online at:  
[www.aapfco.org/metals.html](http://www.aapfco.org/metals.html)

### Warranty Statement

The seller warrants that this product contains a minimum number of viable beneficial microorganisms as indicated on this label. The seller makes no other warranty expressed or implied as to product viability or performance since storage, use and growing conditions are beyond the seller's control.

### Guaranteed By

Adaptive Symbiotic Technologies  
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