



# Auxiliary soil and plant substance, biotic

## CONTAINS NON-PLANT FOOD INGREDIENTS

### PRODUCT COMPOSITION:

<i>Viable soil microbes</i>	CFU/CC
<i>Bacillus licheniformis</i>	1.00E+05
<i>Bacillus subtilus</i>	1.00E+05
<i>Pseudomonas putida</i>	1.00E+05

### Expiration Date:

This product will expire on \_\_\_\_\_, or one year from the date of shipment.

Weight/Gallon: 8.46 lbs/gallon at 68°F or 1.014 kgs/liter

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

**This product is intended for  
Agricultural Use Only**

For handling and first aid precautions please see Material Safety Data Sheet.

## DIRECTIONS FOR USE

**ACE™** is a consortia of natural beneficial microorganisms for use as an auxiliary soil and plant amendment.

**ACE™** may be used as a "pop-up" or "starter" application in close proximity to newly planted seed or newly developing root systems of plants. Preplant applications should be placed into the intended root zone, and after fumigation where applicable. At planting applications should be placed on and around the seed at the time of planting. **ACE™** is not toxic to seeds, roots or foliage. **ACE™** is least suited for post-plant broadcast or banded surface applications. Transplant applications can be made to the transplant site or as a preplant dip.

## INCOMPATIBILITIES

Always test newly attempted mixes. Avoid strongly acidic conditions and high concentrations of free ammonia. Do not mix with Aqua Ammonia, Sulfuric Acid, Urea Sulfuric Acid, Phosphoric Acid, or Soil Fumigants. Do not place product in close proximity to anhydrous ammonia. Most fungicidal seed coatings will not harm **ACE™**. No other known incompatibilities. **ACE™** is compatible and designed for use with the BioScientific, Inc. products: *Guano Plus*, and the *Ascend* brand of Mycorrhizal inoculants.

## STORAGE

Store **ACE™** in a dark/cool place. Storage between 40-100°F will extend the potency of this product. When handled in bulk quantities, storage in a cone bottomed tank is recommended to facilitate agitation. When stored in a cone bottomed tank, agitate 10 minutes prior to use. When stored in a flat-bottomed tank, agitate one hour before use. Avoid air blast agitation as foaming may result. If foaming does occur through normal agitation, use an approved food grade defoamer. Agitation is recommended once every month. Storage past the expiration date is not recommended.

## HANDLING

Follow appropriate safety procedures. In case of accidental exposure, flush with plenty of water. Minimum personal protective equipment (PPE) include gloves, eye protection and a respirator are recommended. Do not breathe product vapor. Do not allow product to contact open wounds. Product is non-hazardous.

## STATE OF WASHINGTON

This product has been registered with the Washington State Department of Agriculture Organic Food Program.

Manufactured in the USA by:  
**BIOSCIENTIFIC, INC.**

4405 S. Litchfield Rd, Avondale, AZ 85323, Order Desk: 1-800-USA-BIO1 Sales Department: 877-4BIOSCI

Lot# \_\_\_\_\_

**NET CONTENTS: \_\_\_ Gallons  
AGITATE WELL BEFORE USING**

## DIRECTIONS FOR APPLICATION

**Banded Applications:** For banded (shank injection, band drench or seedline dribble) applications the treatment area actually is the area covered by the band, not the total cropland planted; as such, the *treatment rate will be proportionately less than the broadcast rate per acre found below*. Apply the specified dosage to the soil around the seed and to the covering soil as it fills in the furrow. The product should be below the seed, and in the root zone as much as possible, with the exception of potatoes where it should generally be above the seed piece. The following formula can be used to calculate the amount of **ACE™** needed per acre of crop when banded applications are made:

Band width (in.)

----- X Broadcast rate/A = Total needed per/A.

Row spacing (in.)

**In Nurseries:** Application of **ACE™** in nurseries can be made through irrigation systems or as a drench to flats, trays or pots. Application should be made prior to seed germination and after soil disturbance. Apply in enough water/fertilizer to ensure percolation to the root zone without excess leaching.

## Application Rates:

### Gallons/Acre\*

Field/Row crops	On seed/Under seed	15-45
Nursery treatments	Drench	15-45

**\*The banded treatment rate will be proportionately less than the broadcast rate per acre**

## CONDITIONS OF SALE AND WARRANTY

1.Seller warrants that this material conforms to the chemical description on the label and is reasonably fit for use as directed hereon, Seller neither makes nor authorizes any agent or representative to make, any other warranty of FITNESS or of MERCHANTABILITY, guarantee or representation, express or implied, concerning this material.

2.Critical and unforeseeable factors beyond seller's control prevent it from eliminating all risks in connection with the use of chemicals. Such risks include, but are not limited to damage to plants and crops to which the material is applied, lack of complete control, and damage caused by drift to other plants or crops. Such risks occur even though the product is reasonably fit for the uses stated hereon, and even though label directions are followed. Buyer and user acknowledge and assume all risks and liability (except those assumed by seller under 1.above) resulting from handling, storage and use of the material.