



Biological Stimulant for at planting, seed and transplant treatments.

Product Composition:

Bacillus subtilis, Paenibacillus polymxa, Bacillus circulans, and Bacillus amyloliquefaciens.

Guaranteed Analysis:

CFU/Gram 1.7Ex10⁶

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

STATE OF WASHINGTON

Information received by the Washington State Department of Agriculture regarding the components in this product is available on the internet at <http://agr.wa.gov> This product has been registered with the Washington State Department of Agriculture Organic Food Program

Expiration Date:

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

Storage:

Store in a dark/cool/dry place. Although refrigeration is not necessary, if refrigeration is available, storage between 40-60 degrees Fahrenheit 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 breath product vapor. Do not allow product to contact open wounds. Product is non-hazardous.

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.

Directions for Use:

For use as a "pop-up" or "starter" application in close proximity to the seed and newly developing root system of plants. Preplant applications should be placed to 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.

Banding: 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:

$$\frac{\text{Band width in inches}}{\text{Row spacing in inches}} \times \text{Broadcast rate/Acre} = \text{Total amount needed per acre.}$$

Nursery applications: 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.

Directions for application:

	<u>Broadcast Gallons/Acre*</u>
Field/Row crops	
On seed/Under seed	30-60
Nursery treatments	
Drench	30-60

*=*treatment rate will be proportionately less than the broadcast rate per acre*

Manufactured in the USA by,



BioScientific, Inc.
Avondale, Arizona
1-800-USA-BIO1

Net contents, _____ gallons, _____ Liters.