



# Safe-Start™

Carbon Seed treatment for reduction of herbicide toxicity and growth enhancement

## Product Composition:

Long and short chain carbon, trace elements, enzymes, beneficial microbes, humic acid, Ascophyllum nodosom.

## Features:

- Enhanced carbon activity and safening
- Fine Filtered
- Disease Free
- Enhances rooting
- Natural ingredients
- Safe to plants and animal
- Promotes Anti-Crusting
- Minor-element nutrition
- Enhanced fertilizer efficiency

## Expiration Date:

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

## Storage:

*Safe-Start* has a degree of minute (<140 microns) suspended solids that require suspension prior to use. Storage in a cone bottomed tank to facilitate agitation is recommended. When stored in a cone bottomed tank, agitate 10 minutes prior to shipment. When stored in a flat-bottomed tank, agitate 1 hour before shipment. Avoid air blast agitation as foaming will result. If foaming does occur through normal agitation, use Harcross Chemical AF10FG defoamer. Agitation is recommended once every month. Storage for longer than 12 months 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. Do not breath product vapor. Do not allow product to contact open wounds. Product may cause staining. Product is nonhazardous.

## 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, Soil Fumigants or Soil Fungicides. Do not place product in close proximity to anhydrous ammonia. Most fungicidal seed coatings will not harm *Safe-Start*. No other known incompatibilities. *Safe-Start* is compatible and designed for use with the BioScientific, Inc. product: *Ascend* brand of Mycorrhizal inoculants. *Safe-Start* may also be tank mixed with Ammonium nitrate, Urea-Ammonium nitrate, Poly-Ammonium phosphate, Calcium ammonium nitrate and many other neutral fertilizers.

## Directions for Use:

For use as a banded "pop-up" or "starter" application on the soil surface and in combination with Activated charcoal or carbon. This includes, but are not limited to: *Bromus* spp., and/or Perennial ryegrass, Annual ryegrass, Tall fescue, Hard Fescue, Red fescue, Chewing fescue, Kentucky bluegrass, Roughstalk bluegrass, Creeping bentgrass, Colonial bentgrass and Orchardgrass. Preplant applications should be placed in the intended seedline. At planting or post plant applications should be placed above the seed at the time of planting. *Safe-Start* is not toxic to seeds, roots or foliage. *Safe-Start* is not suited for post plant broadcast applications. Precipitation may necessitate higher rates with certain herbicides.

**Banding:** For banded (spray, band drench or seedline dribble) applications; the treatment area actually is the area covered by the band, not the total cropland planted. Some application recommenda-

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Net contents, \_\_\_\_\_ gallons, \_\_\_\_\_ Liters.

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tions are based on treating in-the-row and these rates are generally specified as liquid amounts of product per certain row length. Others express rates as amount per treated acre, which means the total area treated with the product. If rates are expressed as amount per treated acre and banded applications are used, the amount of product used will be proportionately less. Most grass seed applications are at a one inch band, on twelve inch centers; which gives an 8% treated area. The following formula can be used to calculate the amount of *Safe-Start* needed per acre of crop when banded applications are made:

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

**Soil Coverage Method:** At planting time apply 60 gallons of *Safe-Start* per acre. Please reference the banding application notes listed above concerning band application calculations. Apply the specified dosage to the soil around the seed and to the covering soil as it fills in the furrow.

**Directions for application:**

	Broadcast rate/A		Pounds Carbon or Activated Charcol
General:	Gal/A	Safe-Start	
Herbicide Specified:	60-120	+	150
Prowl*(1 lb.)	60-80	+	150
Diuron*,			
Karmex* (1.6-3.2 lb.)	60-80	+	150
Kerb* (0.25 lb.)	80-120	+	150
Sinbar*	60-120	+	150
Sencor*	60-120	+	150
Goal*	60-80	+	150

**Notice to user:**

Call 1-800-USA-BIO1 for technical assistance concerning use rates for crops not covered in this label.

Manufactured by,



Avondale, Arizona

- \* Prowl is the trademark of BASF Corporation
- \* Diuron is the trademark of Agrilience LLC, Drexel Chemical Company, Dow AgroSciences, UAP- Platte Chemical, and Helena Chemical Company
- \* Karmex is the trademark of Griffen LLC.
- \* Kerb and Goal are the trademarks of Roham and Haas Agchemical.
- \* Sinbar is the trademark of E.I. Dupont de Nemours & Company, Inc.
- \* Sencor is the trademark of Bayer Corporation.

*Seller warrants that this product conforms to its chemical description and is reasonably fit for the purpose referred to in the directions for use when used in accordance with the directions under normal conditions. Buyer assumes the risk of any use contrary to such directions. Seller makes no other warranty of representation of any kind, expressed or implied, concerning the product, including NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS OF THE GOODS FOR ANY OTHER PARTICULAR PURPOSE. No such warranties shall be implied by law and no agent of the seller is authorized to alter this warranty in any way except in writing with a specific reference to this warranty. The exclusive remedy against seller shall be a claim for damages not to exceed the purchase price of the product, without regard to whether such a claim is based upon breach of warranty or tort. Any controversy of claim arising out of, or relating to this contract, or breach thereof, shall be settled by arbitration in accordance with the commercial arbitration rules of the American Arbitration Association, and judgement upon the award rendered by the Arbitrator(s) may be entered in any court having jurisdiction thereof.*