

# SOYGREEN®

**GRADE 0-0-0  
GUARANTEED ANALYSIS**

Iron (Fe).....6%  
6% Chelated Iron (Fe)  
Derived from Iron EDDHA.

## CAUTION KEEP OUT OF THE REACH OF CHILDREN, PETS AND LIVESTOCK

Refer To Safety Data Sheet (SDS) For Important  
Environmental, Safety, and Health Information

Information regarding the contents and levels of metals in this product is available  
on the internet at <http://www.aapfco.org/metals.htm>

### GENERAL INFORMATION

Soygreen is a dry water soluble powder 6% Iron (Fe) ortho-ortho EDDHA. Soygreen is manufactured utilizing a superior chelating process compared to processes currently being used by the fertilizer industry. Soygreen should improve the availability of iron to field crops. The target crop for Soygreen is any crop grown in areas with a history of iron deficiency chlorosis. Additionally, field crops such as sorghum, sugarbeets and legume crops have benefitted from applications of Soygreen. Other crops may benefit from Soygreen applications when uptake of iron is a limiting factor.

Soygreen is a dark red water soluble powder that will discolor everything red. This will readily wash off with high volumes of water.

### APPLICATION DIRECTIONS

#### RECOMMENDATION FOR USE IN SOYBEANS

Soygreen is intended to be part of a complete management package for reducing iron deficiency chlorosis in soybeans. Soygreen is to be used in combination with resistant varieties.

Soygreen is recommended as an in-furrow soil or postemergence applied fertilizer in Soybeans. In-Furrow applications at 2-3 lb/A have proven to be the most effective application to alleviate and/or correct iron deficiency chlorosis.

**In-Furrow Application:** Mix 1-4 lb of product in water and maintain a minimum ratio of 1 lbs:2 gal (product:water) throughout the mixing process and apply in-furrow at 2-10 gallon per acre. Higher water volumes in the rate range allow for easier mixing and complete dispersion of the product. The 2-3 lb/A use rate has provided the most consistent and longest lasting results.

**Postemergence Application:** Apply 1-2 lb/A prior to or immediately after deficiency symptoms occur to prevent or alleviate losses from iron deficiencies. Spray carrier (water) volumes of 10 to 20 gallons per acre (ground) or 5 gallons per acre (air) are recommended for best results. 1-2 repeat applications on 7-14 day intervals are recommended for best results.

The addition of a methylated seed oil adjuvant and an acidifying adjuvant to improve leaf uptake is recommended.

Note: A number of environmental and varietal variables influence the rate of applications necessary to correct iron deficiency and the potential efficacy of those treatments.

#### RECOMMENDATION FOR USE IN SUGARBEETS

**In-Furrow Application:** Mix 1 lb of product in water and maintain a minimum ratio of 1 lbs:2 gal (product:water) throughout the mixing process and apply in-furrow at 2-10 gallon per acre. Higher water volumes in the rate range allow for easier mixing and complete dispersion of the product. Soygreen at 1 lb/A applied in-furrow has been proven in university and private trials to provide a better starter response than 10-34-0 or no starter in sugarbeets. There has not been any research to show an advantage of increasing the rate above 1 lb/A.

#### RECOMMENDATION FOR USE IN DRY BEANS AND SORGHUM

**In-Furrow Application:** Mix 1-3 lb of product in water and maintain a minimum ratio of 1 lbs:2 gal (product:water) throughout the mixing process and apply in-furrow at 2-10 gallon per acre. 1 lb/A is generally recommended for Dry Beans and 2-3 lb/A is recommended for Sorghum. Higher water volumes in the rate range allow for easier mixing and complete dispersion of the product.

**Postemergence Application:** Apply 1-1.5 lb/A prior to or immediately after deficiency symptoms occur to prevent or alleviate losses from iron deficiencies. Spray carrier (water) volumes of 10 to 20 gallons per acre (ground) or 5 gallons per acre (air) are recommended for best results. 1-2 repeat applications on 7-14 day intervals may be necessary for best results. The addition of a methylated seed oil adjuvant and an acidifying adjuvant to improve leaf uptake is recommended.

#### GENERAL RECOMMENDATION FOR USE IN OTHER CROPS

**In-Furrow Application:** Mix 1-3 lb of product in water and maintain a minimum ratio of 1 lbs:2 gal (product:water) throughout the mixing process and apply in-furrow at 2-10 gallon per acre.

Higher water volumes in the rate range allow for easier mixing and complete dispersion of the product.

**Postemergence Application:** Apply 1-2 lb/A prior to or immediately after deficiency symptoms occur to prevent or alleviate losses from iron deficiencies.

Spray carrier (water) volumes of 10 to 20 gallons per acre (ground) or 5 gallons per acre (air) are recommended for best results. Repeat applications may be necessary.

#### MIXING PROCEDURE

Soygreen needs strong agitation to go into solution. Maintain a minimum ratio of 1 lb of Soygreen per 2 gallons of water, the more water the better. Soygreen mixes readily with water but some form of agitation is required.

Best mixing results have been obtained when Soygreen has been poured dry into a mixing cone that introduces the product into the water stream prior to the pump. If a mixing cone is not used, it is recommended to premix Soygreen into a tank in a similar fashion utilizing agitation and running the product through a pump to make sure that Soygreen goes completely into solution. If adding directly to a tank without agitation, add the product extremely slow to the water tank to allow complete dispersal into solution. Although some mixing with liquid fertilizers has been successful, results have been mixed and incompatible solutions have resulted. Additionally, nitrogen fertilizers used in-furrow may hinder the uptake of iron by soybeans. Therefore, best results are obtained when mixing only with water.

#### MIXING INSTRUCTIONS WHEN TANKMIXING WITH FOLIAR PESTICIDES:

1. Check pesticide compatibility with Soygreen by conducting a jar test or consulting with someone who has previously mixed Soygreen with all pesticides in question.
2. Start with a clean spray tank.
3. Fill the spray tank 1/3-1/2 full of water.
4. While continuing to fill with water add Soygreen at recommended rate.
5. Add any other dry flowable or water soluble pesticides that have been shown to be compatible with Soygreen.
6. Add a highly effective water conditioning product at maximum use rates.
7. Add the pesticide or pesticides in the order recommended on the pesticide label.
8. Fill remainder of tank and agitate.

NOTE: All micronutrient additives have the potential to cause antagonism of glyphosate herbicides. A quality water conditioner is recommended to help alleviate antagonism.

When tankmixing with glyphosate, the potential for loss of weed control is diminished when applications are made to weeds that are less than 2" in height.

**Conditions of Sale and Warranty Limitation:** The Directions for Use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or use of the product in a manner inconsistent with its labeling, all of which are beyond the control of CHS Inc. or the seller. All such risks shall be assumed by the buyer. CHS Inc. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions for Use, subject to the inherent risks referred to above. CHS Inc. makes no other express or implied warranty of fitness or merchantability or any other express or implied warranty. In no case shall CHS Inc. or the seller be liable for consequential, special or indirect damages resulting from the use or handling of this product. CHS Inc. and the seller offer this product, and the Buyer and the User accept it, subject to the foregoing Conditions of Sale and Warranty, which may be varied only by agreement in writing signed by a duly authorized representative of CHS Inc.

**NET WEIGHT: 30 LBS**