

GreenSun® Turf 80 plus Fe Mn

Specifically formulated for turf grasses, greens, lawns & more.



GENERAL INFORMATION

GreenSun® Turf 80 plus Fe Mn is a degradable sulfur product in a granular form that can be used both as a source of plant nutrient sulfur and/or as a soil amendment for correction of problem alkali soils. "Tri-Green Technology" is a proprietary formulation which includes a wetting agent, a suspending agent and a swelling agent. GreenSun® Turf 80 plus Fe Mn in addition to having Tri-Green Technology is produced using CoreAgri's unique pastille manufacturing process. GreenSun® Turf 80 plus Fe Mn is formulated for to provide both iron and manganese in addition to sulfur. When sulfur is degraded by soil microbes, the finely divided iron and manganese oxide particles are exposed to sulfuric acid. The iron and manganese are transformed into plant available soil sulfates. Uniform distribution of finely divided iron and manganese particles provides optimum sites for plant root uptake.

GUARANTEED ANALYSIS:

Sulfur (S)	80.0%
80% Free Sulfur (S)	
Iron (Fe)	3.5%
Manganese (Mn)	1.5%
0.05% Water Soluble Manganese (Mn)	
Inert Ingredients	15.0%
Total	100.0%

Derived from: elemental sulfur, iron oxide, and manganese oxide.

Function of Sulfur (S) in Plants

Sulfur is an essential nutrient in crop production. It is classified as a secondary element, along with Mg and Ca, but it is sometimes called "the 4th major nutrient." Some crops can take up as much S as P. Sulfur has become more important as a limiting nutrient in crop production in recent years for several reasons. These include higher crop yields that require more S, less S impurities in modern fertilizers, less use of S-containing pesticides, reduced industrial S emissions to the atmosphere, and a greater awareness of S needs.

Sulfur serves many functions in plants. It is used in the formation of amino acids, proteins, and oils. It is necessary for chlorophyll formation, promotes nodulation in legumes, helps develop and activate certain enzymes and vitamins, and is a structural component of two of the 21 amino acids that form protein.

Function of Iron (Fe) in Plants

Iron is taken up by plants as ferrous ions (Fe++) and is required for the formulation of chlorophyll in plant cells. It serves as an activator for biochemical processes, such as respiration, photo synthesis and synthetic nitrogen fixation. Iron deficiency can be induced by high levels of available manganese or free lime in soils. A reduction of iron causes a reduction of photosynthesis with in the plant, which in creates the characteristic chlorosis symptoms of Fe deficiency. Iron is very important in the color and appearance of leaves.

Tri-Green Technology

"Tri-Green Technology" is a proprietary formulation which includes a wetting agent, a suspending agent and a swelling agent. Greensun Iron 22% in addition to having Tri-Green Technology is produced using CoreAgri's unique pastille manufacturing process.



Product Specs

Density	76 lbs/ft³
Granule Size	SGN 275
Total elemental Sulfur /lb	0.80 lbs.
Iron	0.035 lbs.
Manganese	0.015 lbs.
Angle of repose	29°

Package Sizes: Available in 50 lb bags, 2204 lb super sacks, and bulk quantities

This bulletin provides some technical information and is not intended to give complete information for all applications.

Always read and follow label directions.

Benefits

- Non staining iron formulation
- Contains Tri-Green Technology for increased performance
- Pastille granule for less dust and more uniform sizing



FOR MORE INFORMATION, LABELS, MSDS and a COMPLETE PRODUCT LIST:

- log onto www.CoreAgri.com
- contact your sales representative
- or call: 1-800-385-4715

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