

GreenSun® 90 Plus Iron

For correction or prevention of sulphur deficiency in agricultural crops, vegetable crops, turf, and ornamentals



GENERAL INFORMATION

GreenSun® products are manufactured to exacting standards to disperse thousands of sulfur particles when it comes in contact with soil moisture. Gradual degradation of Sulfur particles results in availability over a period of time, thus reducing leaching losses and increasing yield.

GreenSun® 90 Plus Iron is a pastille-shaped, non-staining micronutrient which is formulated using new and improved methods as compared to other conventional granular micronutrients. It is superior to other sulfur and iron materials in its handling and blending characteristics, contains very little dust, has a very uniform granule size, and will not stain. GreenSun® 90 Plus Iron, when used in conjunction with a balanced fertility program, can provide a season-long source of plant available iron. GreenSun® 90 Plus Iron is recommended for all crops, and especially those with high sulfur and iron requirements (alfalfa, barley, corn, potatoes, grain sorghum, edible beans, turf grasses, and wheat). Because of its high sulfur content, GreenSun® 90 Plus Iron will also improve soil sulfur levels as well as replenish sulfur loss associated with soluble plant nutrients.

GUARANTEED ANALYSIS:

Total Sulfur	90.0%
90% Free Sulfur (S)	
Iron (Fe)	2.0%

Derived from: elemental sulfur and iron 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 a 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.

Handling And Storage

GreenSun® 90 Plus Iron should be stored and blended (if applicable) in a well-ventilated location to minimize accumulation of dust. Always use stringent dust control procedures to prevent a concentration of flammable dust from reaching a spark or flame source. GreenSun® 90 Plus Iron should not be blended or stored with strong oxidizing agents. Avoid the use of augers due to fracturing of the material. Avoid inhalation of dust if possible. Avoid contact with skin and eyes. Wear proper protective equipment when handling. Dispose of used bags in accordance with local, state, and federal regulations.



Product Specs

Density	78 lbs/ft³
Granule size	SGN 260
Total elemental sulfur (S)	0.90 lbs.
Angle of repose	29 degrees

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.



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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