



Super Mn+Fe

Super Mn+Fe is a formulation of manganese and iron chelated with a proprietary combination of citric, fulvic and other organic acid chelates which stabilize micronutrient elements and enhance their uptake and translocation within the plant. Citrates are the natural chelating compounds found in plant tissue giving them very low phototoxicity. **Super Mn+Fe** is involved in the synthesis of chlorophyll, in oxidation-reduction reactions, and as a cofactor in various enzyme systems. The function of manganese is closely related to iron in plants. It is most commonly deficient in alkaline or highly leached sandy soils. Deficiency symptoms include interveinal chlorosis with veins remaining green, and distinct necrotic spots on leaves. **Super Mn+Fe** is designed for foliar application to correct and prevent manganese deficiencies on turfgrass, ornamental plants and vegetable crops.

Benefits of Use

- Rapid response from foliar uptake
- Increased nutrient uptake from humic acid
- Increase turf vigor

Problem Conditions Improved with Super MN+Fe

- Manganese deficiency in alkaline or highly leached sandy soils
- Manganese deficiency symptoms including interveinal chlorosis

Guaranteed Analysis

Manganese (Mn).....	5.00%
5.00% Water Soluble Manganese	
Iron (Fe).....	0.50%
Combined Sulfur (S).....	3.21%

Derived From
Manganese Sulfate, Ferrous Sulfate
Physical Characteristic
11.30lb./gal.; pH 8.0

CONDITIONS OF SALE

1. Douglass Fertilizer & Chemical, Inc. (DFC) warrants that this product consists of the ingredients specified and is reasonably fit for the purpose stated on this label when used in accordance with the directions under normal conditions of use. No one other than the officer of DFC is authorized (and such authorization must be in writing) to make any other warranty, guarantee or direction concerning this product.

2. Because the time, place, rate of application, weather conditions and normal or abnormal conditions of use or storage are beyond DFC's control, DFC's liability is limited to replacement of product or refund of purchase price. In no event shall DFC be liable for indirect or consequential damages.



Application Instructions

Apply 3 oz. per 1000 sq. ft. of turf in 2.5 gallons of water, or 1 gallon per acre diluted in 50 gallons of water. This product should be used as a supplement to a regular fertility program. It will not by itself provide all the nutrients normally required by plants.

A pre-mix "jar test" is recommended to check compatibility of product combinations that have not been previously tested.

Shake well before using.

PACKAGE AVAILABILITY

Super Mn+Fe is available in:

- 2 x 2.5 Gallon Case
- 30- Gallon Drum
- 275-Gallon Mini-Bulk

Handling and Storage

Store between 40-95° F. Avoid direct heat or fire. Decomposition may occur at high temperatures (above 225° F.). Do not freeze!

Keep out of reach of children. Harmful if swallowed. Avoid inhalation, eye contact, or ingestion. Avoid prolonged or repeated contact with skin which may cause irritation. Wash thoroughly after handling. Corrosive.



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