

# Sequestrene<sup>®</sup> 138 Fe Sequestrene<sup>®</sup> 330 Fe

High Performance Iron Chelates for Foliar and Soil Applications

## General Description

Iron is essential for the formation of chlorophyll, a vital component to ensure plant health. Since iron has low plant mobility, new growth in iron deficient plants often shows iron deficiency. In early stages, leaves have interveinal chlorosis where plant leaves are light green to yellow but the leaf veins remain green. In severe cases, leaves turn white and plants may die.

Iron deficiencies commonly occur in:

- Soils which are high in pH, calcareous, or have heavy clay which tie up iron.
- Plants which have limited root systems due to environmental, pest, or disease stress.
- Soils high in sand content due to poor nutrient holding capacity.

Sequestrene<sup>®</sup> chelated micronutrient formulations are important to plant health. Unlike non chelated or weakly chelated irons, Sequestrene<sup>®</sup> 330 and Sequestrene<sup>®</sup> 138 are strong chelates that maintain and protect iron availability in a wide variety of problem soils. Additionally, Sequestrene has the added flexibility of either foliar or soil applications.

Sequestrene 330, a 10 percent fully chelated DTPA iron, performs best in slightly acid to slightly alkaline soils with a pH of up to 7.5.

Sequestrene 138, a 6 percent fully chelated EDDHA iron, is preferred in the most challenging soils which are alkaline and calcareous, including soils with a pH greater than 7.0. Sequestrene 138 provides the strongest chelate available for these difficult situations.

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## Directions for Use

### Soil Applications

To be absorbed from the soil, Sequestrene® must reach the root zone. Sequestrene can be placed in the root zone during planting or be moved into the soil mechanically, or by rainfall, irrigation, or tillage.

### Foliar Applications

A thorough cover spray generally provides best results. A surfactant may be added up to 0.5 percent by volume to ensure uniform coverage (1 pint in 25 gallons of spray). As a general rule, Sequestrene should not be mixed with crop oil concentrates.

### Tank Mixes with Pesticides

The outstanding chelating ability of Sequestrene allows excellent tank mixing flexibility, including mixing with insecticides and fungicides and can be applied in combination with them. However, because available pesticide combinations differ so widely, before applying chelate-pesticide combinations to large crop areas, a small test area should be sprayed to determine that no phytotoxicity or undesirable effects results from the combination spray.

Sequestrene is formulated as a wettable powder. If spray tank agitation is limited, Sequestrene may be pre-mixed in a pail until dissolved, then added to the spray tank. Do not directly pre-mix Sequestrene with pesticide or fertilizer concentrates.

Always read and follow label directions.

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