



SIGNATURE CHELATED IRON

7% Iron as EDTA complex

SIGNATURE CHELATED IRON is formulated to give protection and availability to the Iron molecule when applied to the soil profile and leaf surface. Iron applied to turf will create the production of excess chlorophyll thus giving a longer-lasting deep green appearance.

Undoubtedly the most useful tool in maintaining Turfgrass colour without causing excessive growth is Iron. Iron as a dissociated or dissolved ion will enter the turf via the leave or the root system and form a carrier compound, (Ferredoxin) which is essential in the formation of Chlorophyll. The application of Iron will force turf to produce Chlorophyll in excess thus giving the green up required by Turfgrass managers.

Iron is also essential for the production of other enzymes involved in Oxidation and Reduction reactions. While the colour effect of Iron applications is what is sought after, the physiological role and resulting turf health because of Iron is equally important.

The choice of Iron then becomes as important as to what effect is desired and how the product is going to be applied. Chelated trace elements are designed to give protection in the soil profile and in tank mix applications. The Chelated Iron will give maximum availability to the turf, and greater control and flexibility to the operator. Signature Chelated Iron is formulated to maximise the availability of Iron, while protecting it from chemical attack; pH effects and soil lock up.

Signature Chelated Iron, like other products in the Signature Series, is formulated to cater for the special requirements of Turfgrass Management. Other formulations of Iron EDTA can commonly contain high percentages of Sodium as a by-product that will increase salt levels and compaction. Signature Chelated Iron has a di- ammonium salt as a by-product which will

aid in the physical building of Chlorophyll. The formulation also contains an additional chelating agent called Hydroxy-Carboxylate, which strengthens the overall stability of Iron in the Ferrous and Ferric forms. It aids the availability of Iron in high pH conditions.

DIRECTIONS FOR USE: TURF

Rate: 200 - 500 mL / 100m²
Apply as required for colour effect.

APPLICATION NOTES:

Tees & Greens: 6 - 10 L water / 100 m²
Fairways: 400 - 600 L water / Ha
Apply early morning or late afternoon.

PRODUCT ANALYSIS

| | w/v% |
|---------------------------------------|------|
| Iron (Fe) as EDTA/Carboxylate Complex | 7.0 |

PRODUCT SPECIFICATIONS

S.G: 1.27
pH (Neat): 2.0 - 3.0
Appearance: Olive brown liquid
Shelf Life: 3 years

AVAILABLE PACK SIZES & WEIGHTS

5 Litre: 6.6
20 Litre: 26.4
200 Litre: 263.5
1000 Litre: 1350.0