

Simplot *Signature* **CHELATED IRON**

SPECIALLY FORMULATED LIQUID FERTILISER FOR TURF



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. Advantages that come with being in a chelated form are improved compatibility, availability and sustained turf green-up.

ANALYSIS

7% Iron as EDTA complex

DIRECTIONS FOR USE

TURF: 200 - 500 mls /100m²
as required for colour effect.

WATER RATES:

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

COMPATIBILITY

Signature Chelated Iron is compatible with a wide variety of commonly used spray chemicals. When mixing with chemicals always mix a small quantity (jar test) to observe if any reaction

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Available exclusively from your nearest Simplot distributor:

SIMPLOT PARTNERS. 20 DeHavilland Rd, Braeside, Vic 3195 (03) 9587 4993

NRRBS. 1/A Gateway Dr, Labrador, Qld 4215 (07) 5537 7323

TURFCARE NSW. Unit 8-24 Clyde St, Rydalmere, NSW 2116 (02) 9684 6611

TOTAL TURF. 2 Jessel Place, Duncraig, WA 6023 (08) 9448 5263

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CHELATED IRON

7% IRON AS EDTA COMPLEX

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 leaf 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 Superintendents and 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 with the availability of Iron in high pH conditions

The issues in growing quality Turfgrass are many and varied. The use of Signature Chelated Iron and other products in the " Simplot Signature Series" will aid in controlling the delivery of nutrients to turf.

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