



**PRODUCT INFO
& DATASHEET**

SICO IRON TONIC

A sequestered Iron Tonic Powder for those acid loving plants

1. PRODUCT DESCRIPTION

A Fully Soluble High Performance Iron Chelate for the Correction and Prevention of Iron Deficiencies in All Crops

SICO IRON TONIC contains a balanced tonic for application to the soil around all plants sensitive to iron.

SICO IRON TONIC is guaranteed to contain:

- 2% Nitrogen (N) in an acid form
- 2.5% Magnesium (MgO)
- 2.5% Iron (Fe) as Fe EDDHA
- 2.5% Iron (Fe) as Fe EDTA
- 1.5% Mn as MnSO₄
- 11.25% Sulphur (SO₃)

2. PRODUCT SPECIFICATIONS

Chemical Description: A compound containing Sodium ferric ethylenediamine bis-(2-hydroxyphenyl acetate) (Fe Na EDDHA), Iron sodium ethylenediamine tetra acetate (Fe Na EDTA); magnesium sulphate, manganese sulphate and lignopolycarboxylic acid

Typical Analysis: 2% N, 5% Fe, 1.6% Mg, 1.5% Mn, 4.5% S

Physical Appearance: Dark brown speckled white powder

Solubility: Completely soluble

Moisture content: 7% max (t.b.d.)

pH of 1% solution: 7 approx (t.b.d.)

Density: 600 – 800 g per litre

3. ADVANTAGES

The Iron is available in **SICO IRON TONIC** as High Performance Iron Chelates (HPICs) that enable the iron to be available to the plant's roots in the soil, preventing it from being tied up to the clay particles. These HPICs deliver the iron to the plant's roots thus preventing and curing any deficiencies.

Importance of Iron (Fe): Iron is involved in the production of chlorophyll and is a component of many enzymes that govern energy transfer in plants. Iron deficiencies are easily seen in plants. The plant's inability to produce adequate chlorophyll leads to chlorosis (yellowing of plant tissue) and is usually associated with calcareous soils. Iron is a key element for any area with agricultural production. In high pH soils, iron becomes even more important because it becomes less available for plant uptake.

4. SOME APPLICATION SUGGESTIONS

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| Covered crops: (peppers tomatoes, aubergines) | Apply 300g - 500g per 1000 sq metres to the soil before planting, and then apply 150g - 200g per 1000 sq metres from flowering every 2 to 3 weeks as a foliar spray or via trickle irrigation. |
| Vines, kiwi fruit: | 25-50g per plant every 3 to 4 weeks. |
| Peaches, nectarines, pears, apples, citrus, pistachios, etc: | 25g - 125g per tree depending on the age and size as soil or foliar application. |
| Bushes, shrubs etc.: (azaleas, hydrangeas, etc.) | 25g - 60g per plant depending on size, as soil or foliar application. |
| Grass, turf: | 100g to 150 g per 1000 m ² every 3-4 weeks as foliar application. |

5. PACKING: 1 kg box or 25 kg bags

6. STORAGE:

- Store in original container, in a dry place and protect from extremes of temperatures.
- Partly used packs should be resealed tightly.
- Protect from exposure to strong sunlight.

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