



**PRODUCT INFO  
& DATASHEET**

## **PROCHEL FER 13.2 % Fe EDTA**

*High quality iron chelate with 13% iron for preventing iron deficiencies in agricultural and horticultural crops*

### **1. PRODUCT DESCRIPTION & ANALYSIS**

**PROCHEL FER** contains: 13% Iron (130 gm Fe per kg) - Chelating agent ethylenediamine tetra-acetate (EDTA)

**PROCHEL FER** is a high performance iron chelate for the correction and prevention of deficiencies to iron in all crops.

### **2. CERTIFICATE OF ANALYSIS**

Composition & chelating agent:	Iron, with sodium ethylenediamine tetraacetate and citric acid
Specifications:	
Appearance:	Brownish powder
Odour:	Distinctive
Nitrogen Content:	Typically 6.5%
Metal content:	13.2% Fe
Other elements:	15% S (combined)
Moisture content:	0.5% (500 ppm)
Density:	975 - 1025kg/m <sup>3</sup>
Solubility:	100%
pH:	3.5-4.5 (when mixed 1% in water)

### **3. CROP APPLICATION**

**PROCHEL FER** can be applied with safety to all crops being grown for agricultural and horticultural purposes.

### **4. GENERAL RECOMMENDATIONS & DIRECTIONS FOR USE**

\* Foliar Applications: CEREALS, FIELD CROPS, VEGETABLES and SOFT FRUIT

Foliar Applied:	Maintenance dose	Moderate deficiency	Severe deficiency
Rate per hectare:	1.0 kg per hectare	1.0-1.5 kg per hectare	1.5-1.75 kg per hectare
No. of doses:	Two - three	Two - three	Two - Three
Timing of applications:	3 weeks after emergence, and at 2 week intervals.	3 weeks after emergence and at 2 week intervals	3 weeks after emergence and again at 2 week intervals.

Central pivot irrigation apply in doses of 1.0-1.5 kg per ha at 10-15 day intervals.

\* Foliar Applications: FRUIT TREES, and other Permanent Crops.

Foliar Applied:	Maintenance dose	Moderate deficiency	Severe deficiency
Rate per hectare:	1.0 kg per hectare	1.0-1.5 kg per hectare	1.5-1.75 kg per hectare
No. of doses:	Three- four	Three-four	Three-Four
Timing of applications:	1st, post-blossom/main flowering, and then at 30 day intervals	1st, post-blossom/main flowering, and then at 30 day intervals	1st, pre-blossom. 2nd, post-blossom, and then at 30 day intervals

\* Water volume: Trees and bush fruit: 500 to 1000 litres water per hectare.

Vegetables and soft fruit: 200 to 600 litres water per hectare.

Field crops: wheat, rice, maize, etc.: 200-400 litres water per hectare.

\* When to Spray: To obtain the best results from your nutrition programme, do not apply foliar fertilizers during the heat of the day. Apply during coolest parts of the day - early morning or in the evening.

### **5. COMPATIBILITY**

**PROCHEL FER** is compatible with most agricultural products, however it is strongly recommended to use a jar test if some uncertainty is felt before large scale mixing takes place.