



**PRODUCT INFO  
& DATASHEET**

## ***FERROMASTER Line***

***FERROMASTER RAPID, FERROMASTER MAX 44 (for soil applications) and  
FERROMASTER 6.2 -L (liquid for foliar)***

*Fe-chelated based products used to prevent and treat Iron chlorosis of crops and to boost photosynthesis efficiency.*  
01/2023

### **1/ PRODUCT DESCRIPTION**

FERROMASTER line includes three special items based on Fe-chelated. Products of FERROMASTER line are used to prevent and treat Iron chlorosis of crops.

#### **ADVANTAGES :**

- **High nutritional efficiency thanks to the specific frame of the chelating agent**
- **Excellent stability of the chelating agents to pH variations (high protection of Iron)**
- **Increase the Leaf Area (LAI) and greener effect**
- **High solubility**

#### **RESULTS :**

FERROMASTER RAPID is the Sico Fe-chelated fertilizer designed for soil application with the most rapid effect.  
FERROMASTER MAX 44 is the Sico Fe-chelated fertilizer designed for soil application with the highest stability in soils at basic pH.  
FERROMASTER 6.2 -L is a Sico liquid Fe-chelated fertilizer designed for foliar application. FERROMASTER 6.2 -L has a particular chelating agent which allows the resistance against photodegradation.

### **2/ PRODUCT SPECIFICATIONS**

#### **COMPOSITION :**

	<u>FERROMASTER RAPID</u>	<u>FERROMASTER MAX 44</u>	<u>FERROMASTER 6.2 -L</u>
Total Iron (Fe) water soluble	6.0	6.0	6.0
Iron (Fe) chelated by (o-o) EDDHA	2.4	4.4	/
Iron (Fe) chelated by (o-p) EDDHA	3.6	1.6	/
Iron (Fe) water soluble, chelated by DTPA	/	/	6.2
pH at 20 °C at 1% solution	8.0 – 9.0	5.5 – 7.5	6.5 – 8.0
Solubility (g/L at 20 °C)	80 – 100	100 – 120	/
Density (g/L at 20 °C)	/	/	1270 – 1290

Iron (Fe) chelated with EDDHA is stable in the pH range from 4 to 11.  
Iron (Fe) chelated with DTPA is stable in the range of pH from 4 to 8.2.

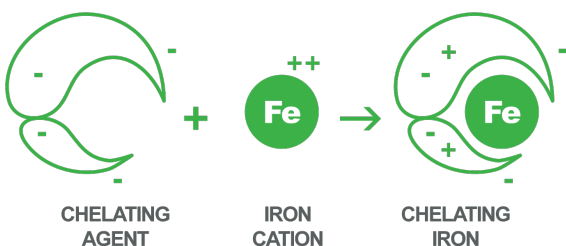
### **3/ RECOMMENDATIONS FOR USE**

#### **APPLICATION RATES :**

<b>PRODUCT</b>	<b>Foliar spray (l/ha)</b>	<b>Drip irrigation (kg/ha)</b>	<b>Number of applications</b>	<b>Timing of applications</b>
FERROMASTER RAPID	/	10 - 30	2 - 3	from vegetative development with an interval of 15 days
FERROMASTER MAX 44	/	10 - 30	2 - 3	from vegetative development with an interval of 15 days
FERROMASTER 6.2 -L	1 - 2	/	2 - 3	from vegetative development with an interval of 15 days

### **4/ MECHANISM**

Mechanism of chelation by an iron cation



Iron cation (Fe<sup>2+</sup>) binds to a chelating compound by strong bonds

### **5/ PACKING**

FERROMASTER RAPID : 1 kg (1 kg x 10 per carton)  
FERROMASTER MAX 44 : 1 kg (1 kg x 10 per carton)  
FERROMASTER 6.2 -L : 1 lt bottle (1 lt x 16 per carton)

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