

# AminoQuelant<sup>®</sup>-Zn/Mn Flow

## MAXIMUM AVAILABILITY OF ZN AND MN

### What is it? And what is it for?

Zinc is a fundamental element in a multitude of enzymatic reactions, in the synthesis of auxins and hormones related to plant growth. Manganese is involved in a multitude of metabolic processes (protein synthesis, sugar formation, enzymatic reactions, etc.). A deficiency will cause a lower chlorophyll content, chlorosis appearing mainly in young leaves. **AminoQuelant<sup>®</sup>-Zn/Mn Flow** is a double corrector of Zinc (Zn) and Manganese (Mn) deficiencies.

Zn and Mn deficiencies can be confused by simple visual diagnosis, therefore combined application in a Zn/Mn (1/1) balance is recommended. The combined application of L- $\alpha$ -amino acids, obtained through the exclusive Enzyneer<sup>®</sup> technology, Zinc (Zn) and Manganese (Mn) in a single formulation contributes to a better assimilation of Zn and Mn and a much faster and more effective distribution to the points of consumption thanks to the mobilizing effect provided by L- $\alpha$ -amino acids. This characteristic is of utmost importance for Zn since it is a not very mobile element within the plant. Zn is normally concentrated in the root but is usually minimal in the fruits.

### Why a concentrated suspension?

The new Flow formulation allows a significant increase on the elements concentration and increases the efficiency in their absorption with the L- $\alpha$ -amino acids.



### Benefits

- Greater richness in micronutrients in the formulation.
- Greater efficiency in the absorption and translocation of micronutrients.
- Reduction of application dose and plastic waste (packaging).
- Lower cost per hectare per treatment.



## DOSE AND CROPS

**AminoQuelant<sup>®</sup>- Zn/Mn Flow** is a formulation indicated for any crop that presents high needs of Zn and Mn (citrus, fruit, horticultural, etc.), so it is recommended to apply when the first symptoms of deficiencies are anticipated or presented.

It can be applied both foliar and through the fertigation system.

- **Foliar application:** 1-1.5 mL/L in each application.
- **Application by drip irrigation:** from 2 to 4 L/ha in each application.

It is recommended to use in a treatment program. The best results are obtained in several applications rather than in a single application at higher doses. The total number of applications will depend on the nutritional level of the crop (level of these 2 microelements), the phenological state in which it is found and the extractions it makes depending on the productive level. The best time to apply the product is when the plant transpires more (first thing in the morning or late in the afternoon) since this way we achieve a better predisposition to the absorption and mobilization of Zn and Mn towards the places of consumption.



## GUARANTEED ANALYSIS

	(W/W)	(W/V)
L- $\alpha$ -amino acids (*)	5%	8.1%
Total nitrogen	2%	3.2%
Organic nitrogen	1%	1.6%
Zinc (Zn)	12.5%	20.3%
Manganese (Mn)	12.5%	20.3%

(\*) The formula contains each and every one of the biologically active free amino acids: ASP, SER, GLU, GLY, HIS, ARG, THR, ALA, PRO, CIS, TYR, VAL, MET, LYS, ILE, LEU, PHE, TRP.