



## AMINO ACIDS TO ENHANCE FRUIT SIZE, COLOUR AND SHEEN



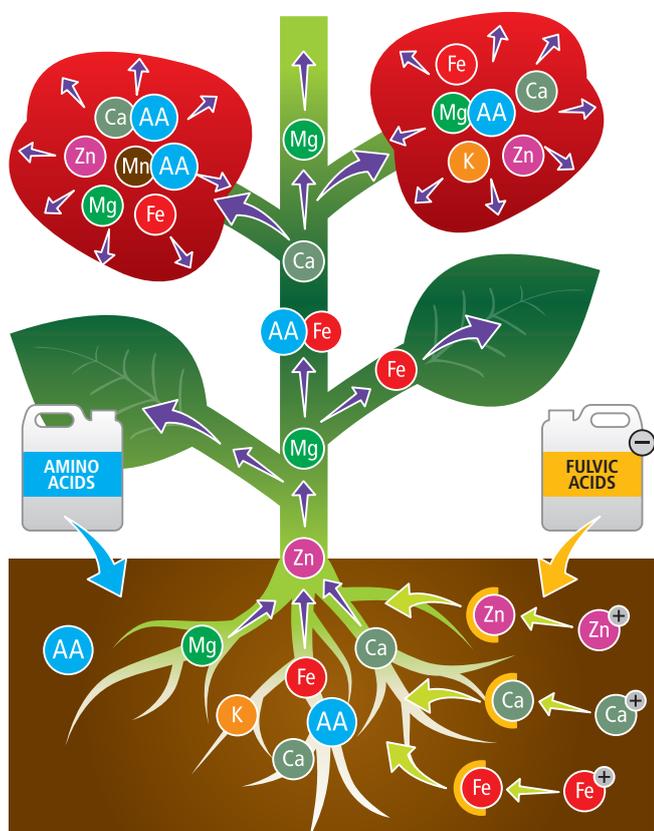
MAXITEM is rich in both fulvic acids and amino acids.

The synergy created between these two elements promotes root development, enhances the absorption of nutritional elements thanks to its action as complexing agents and favors the translocation of these nutrients through the plant.

MAXITEM provides the optimal dose of amino acids to allow these and other nutrients to directly reach the fruits, encouraging their development and improving its size, color and sheen.

## DECLARED CONTENTS

Free amino acids	6% w/w	Total nitrogen (N)	2.7% w/w
Fulvic acids	22% w/w	Organic nitrogen (N)	1.8% w/w
		Ammoniacal nitrogen (N)	0.9% w/w



- Neutral complexes that do not react with the cuticle and can be absorbed easily
- Amino acids
- Easy translocation of nutrients

## BIOSTIMULATING ACTION

### FULVIC ACIDS

Fulvic acids are organic molecules that are formed by the decomposition of organic matter and which have a direct impact on soil fertility.

The acid groups of these molecules dissociate generating negative charges, which have a great metal-retention capacity and are capable of forming chelates with other nutrients, thus facilitating their availability to the plant.

Because of their low molecular weight, they are readily transported through the plant.

### AMINO ACIDS

The supply of amino acids improves the absorption of nutrients and enhances the movement of sap through the plant, favoring the arrival of nutrients directly to the fruits, organs most demanding during fattening.

Furthermore, supplying synthesized amino acids provides significant energy savings, and this energy saved can be reserved for other physiological processes such as fruit fattening.

# PROVEN EFFICACY

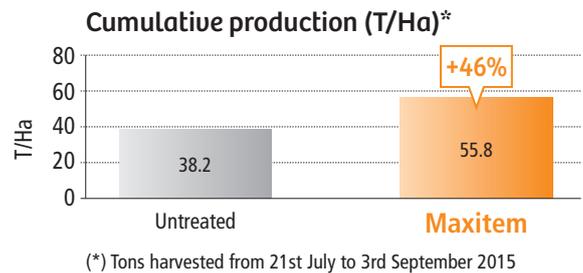
The following results have been obtained from trials hired to an **accredited external company** (EOR No. 82/13) performed in fields of Mula, in the region of Murcia (Spain) in commercial **sweet pepper variety Tramontana**. We compared results obtained in 3 different types of treatments: control, MAXITEM and a popular reference product with the same use as MAXITEM. Three applications per week were performed during the beginning of fruiting.

	1ST APPLICATION · 29TH MAY 2015	2ND APPLICATION · 4TH JUNE 2015	3RD APPLICATION · 15TH JUNE 2015
Control	---	---	---
MAXITEM	5L/Ha by fertigation	5L/Ha by fertigation	5L/Ha by fertigation
Reference product	10 Kg/Ha by fertigation	10 Kg/Ha by fertigation	10 Kg/Ha by fertigation

The results obtained and shown below were obtained from 5 evaluations conducted from the first harvest, on 21st July until the last commercial harvest, on 3rd September 2015.

## ✓ Production increased 46%

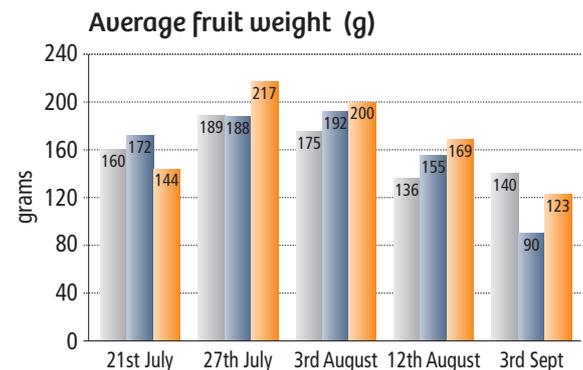
The application of **MAXITEM** increases production by **46%**. From starting harvests, production in plots treated with Maxitem was higher than untreated plots.



## ✓ Greater fruit filling

The average weight of the fruits in plots treated with **MAXITEM** is up to **24.3%** higher in some harvests, while the reference product is only able to increase the average fruit weight by 14%. Adding up all the fruits of the 5 evaluations, in plots where MAXITEM was applied the average weight of peppers was 7% higher than in untreated plots while the reference product failed to increase the average weight of the fruit.

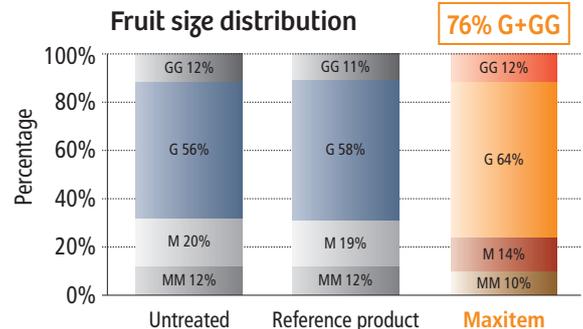
Legend: Untreated (Grey), Reference product (Blue), Maxitem (Orange)



## ✓ Larger fruits

The fruits obtained with **MAXITEM** are of greater commercial interest, as they reach larger size. In plots treated with **MAXITEM**, **76% of harvested fruits achieved sizes G or GG** while in the plots treated with the competitor product, only 69% of the fruits were G or GG.

GG > 230 g, 80-100 mm / G = 170-229 g, 70-90 mm / M = 100-169 g, 60-80 mm / MM < 60 mm



You can request more detailed information about this product and its results through the contact form on our web [www.quimicasmeristem.com](http://www.quimicasmeristem.com)