



PROVEN PERFORMANCE OF CTA STYMULANT 4 IN SWEET PEPPER GROWN IN GREENHOUSE

SEAWEED EXTRACT WITH TRACE ELEMENTS



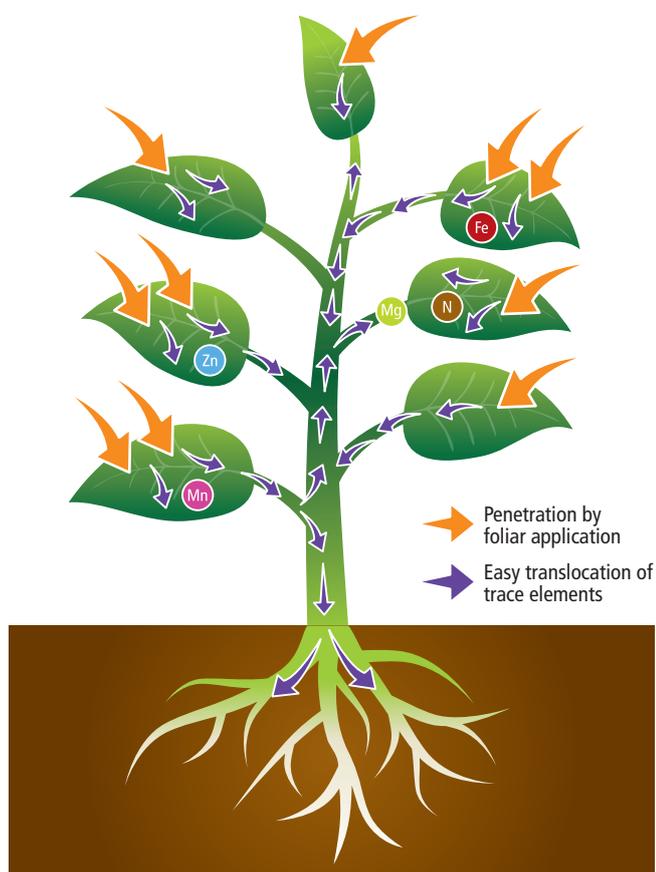
CTA STYMULANT 4 is a liquid formulation obtained from *Ascophyllum nodosum* seaweed extract, enriched with chelated trace elements.

This combination of bioactive substances and trace elements produces a powerful biostimulant effect, enhancing development, increasing yield and the overall condition of the plant.

Its application provides fundamental support for the plant in overcoming moments of stress such as drought, flooding or phytosanitary treatment.

DECLARED CONTENTS

<i>Ascophyllum nodosum</i> seaweed extract	15.0% p/p	Iron (Fe) chelated by EDTA	0.5% p/p
Total nitrogen (N)	5.2% p/p	Iron (Fe) chelated by DTPA	0.5% p/p
Organic nitrogen (N)	0.2% p/p	Manganese (Mn) chelated by EDTA	0.5% p/p
Ureic nitrogen (N)	5.0% p/p	Zinc (Zn) chelated by EDTA	0.5% p/p
Magnesium (MgO) chelated by EDTA	0.2% p/p		



BIOSTIMULATING ACTION

1. Physiological activator

Seaweed extract is obtained through a gentle alkaline extraction process at low pressure and low temperature that ensures the permanence of the beneficial substances in the final product, using only high quality fresh seaweeds. Seaweed extract *Ascophyllum nodosum* contains natural biostimulant substances like cytokinins, gibberellins, auxins, vitamins or polysaccharids that:

- Accelerate cell division and elongation
- Invigorate the crop development by promoting the synthesis of chlorophyll, amino acids, sugars and other bioactive substances

2. Supply of nitrogen

The supply of nitrogen is essential for a correct vegetative development of the crop.

3. Supply of trace elements chelated for an easier assimilation by the plant

Magnesium, iron, manganese and zinc are necessary for the synthesis of chlorophyll and the proper functioning of photosynthesis. Its application corrects or prevents the harmful effects caused by deficiencies and helps maintain crop yield.

PROVEN EFFICACY

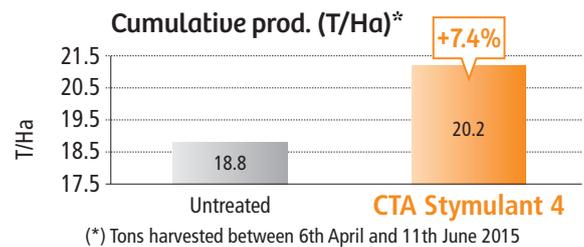
The following results have been obtained from trials **hired to an accredited external company** (EOR No. 82/13) performed in greenhouses of Lorca, in the region of Murcia (Spain) in commercial sweet pepper variety Veracruz. We compared results obtained in 3 different types of treatments: control, CTA STYMULANT 4 and a popular reference product, based on seaweed extract and with the same use as CTA STYMULANT 4.

	1ST APPLICATION · 4TH FEBRUARY 2015	2ND APPLICATION · 6TH MARCH 2015
Control	---	---
CTA STYMULANT 4	Foliar application of 200 ml/100 L of water	Foliar application of 200 ml/100 L of water
Reference product	Foliar application of 300 ml/100 L of water	Foliar application of 300 ml/100 L of water

Applications were performed during vegetative development and flowering. The results obtained and shown below were obtained from 5 evaluations conducted from 6th April and 11th June 2015.

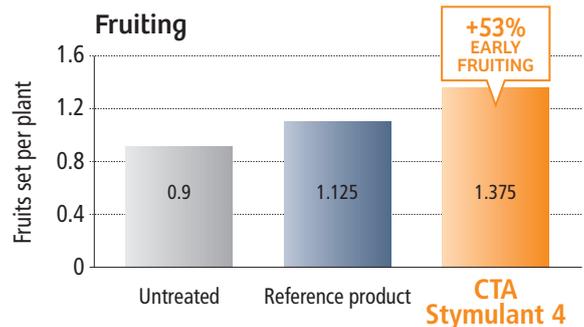
✓ Production increased

The application of CTA STYMULANT 4 improves vegetative development of the crop, increasing its yield. Production in plots treated with CTA STYMULANT 4 is **7.5% higher** than in the untreated plots.



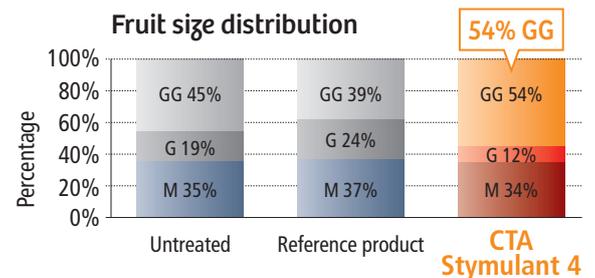
✓ More precocity

After the first application of CTA STYMULANT 4 and the reference product, we obtained 53% more fruits set in plots treated with CTA STYMULANT 4 than untreated plots and 25% more than plots treated with reference product. CTA STYMULANT 4 stimulates fruiting, obtaining **53% more early fruiting** with this treatment, being even more efficient at lower doses than other reference products.



✓ Larger fruits

In plots treated with CTA STYMULANT 4, **54% of fruits were harvested with size GG** (between 90 and 110 mm), an amount 9% higher than untreated plots and 15% higher than plots treated with a reference product. Larger fruits (G, GG) are more valuable in the market and can reach up to 15% higher prices than fruits with smaller sizes.



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

20TH FEBRUARY



CONTROL

CTA STYMULANT 4

11TH MAY



CONTROL

CTA STYMULANT 4

You can request more detailed information about this product and its results through the contact form on our web www.quimicasmeristem.com