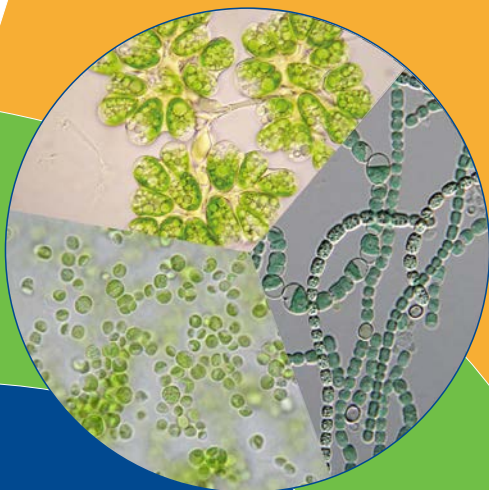




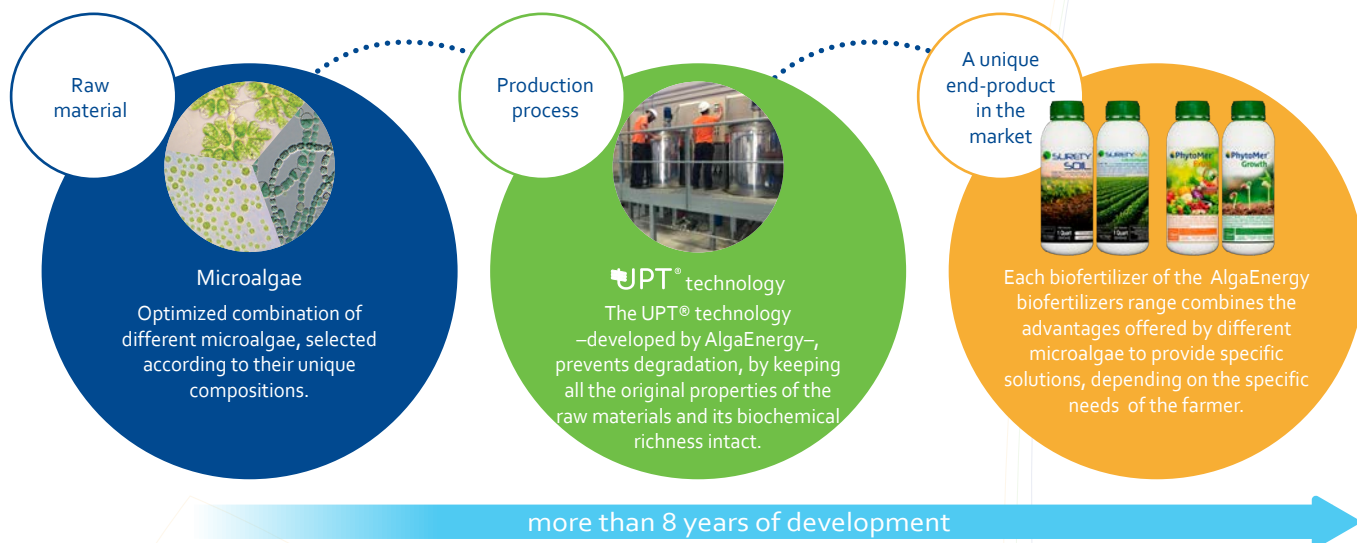


AlgaEnergy is a global leader in the development of microalgae based solutions for agriculture and other industries. AlgaEnergy is the only microalgae producer to use industrial CO₂ emissions in the growing of their microalgae products leading to greater sustainability and contributing to a healthier planet. Microalgae provide a new, more sustainable, more consistent and biodiverse aquatic plant based biofertility product. Microalgae are found everywhere in aquatic environments and have a limitless potential to provide solutions to the many challenges faced by agriculture. By harnessing multiple, diverse microalgae strains in one product, AlgaEnergy is able to provide products that can benefit a wide range of crops in diverse environments facing unique stresses.

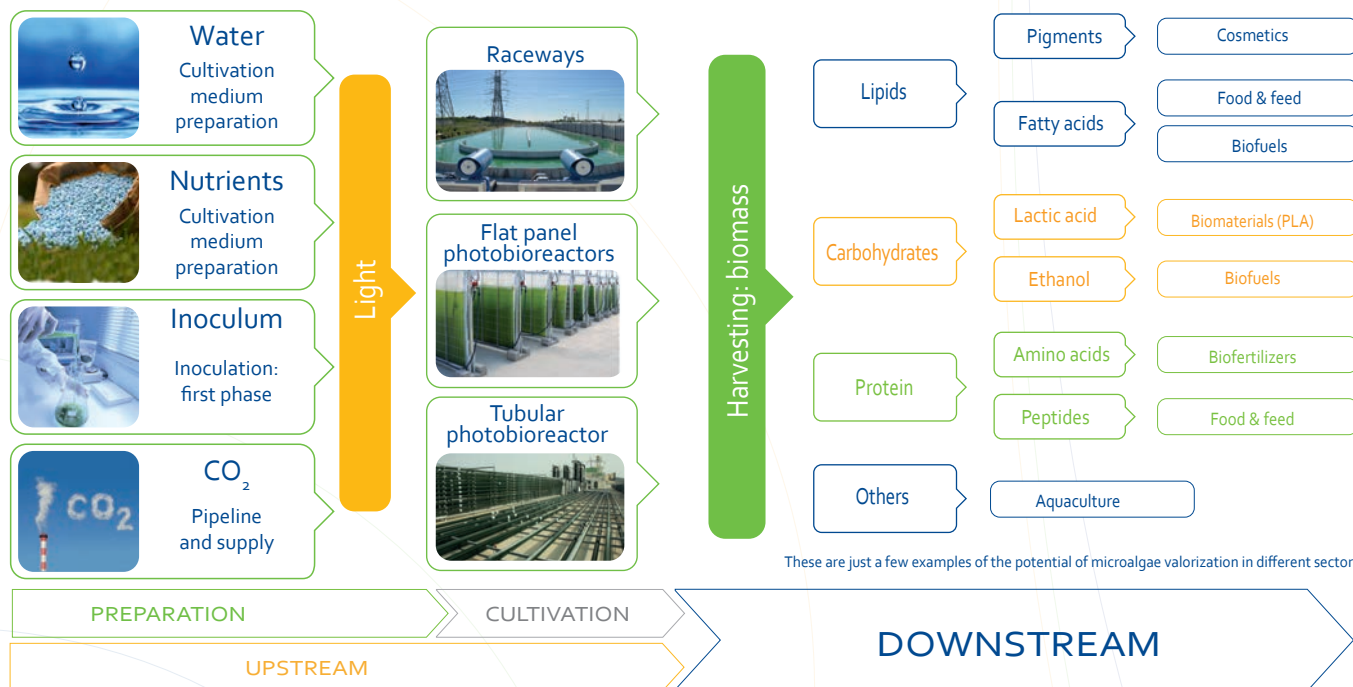
AlgaEnergy products are now available to US growers. Incorporate AlgaEnergy microalgae in your crop management programs and see for yourself the power of these tiny biological marvels.



The combination of a unique raw material and the most advanced technology



The most advanced technology and production processes in the world



Technology and Facilities

Our ambitious mission to offer unique products for agricultural markets has led to the development of advanced technologies that are combined with the knowledge and experience acquired over more than 4 decades of research in microalgae. At AlgaEnergy, we supply innovative, effective and sustainable solutions to help support the demands of today's intensive farming practices.

AlgaEnergy utilizes two microalgae cultivation plants. One focused on R&D, the Technological Microalgae Experimentation Platform (PTM), located at the Adolfo Suárez Madrid-Barajas Airport, was built in collaboration with Aena airport management contractor, and Iberia Airlines. The PTM is a strength and resource for AlgaEnergy allowing for advanced pilot scale research in microalgae supporting the development of novel new technologies, processes and products.

PTM: Platform for Technology & Experimentation with Microalgae



Laboratories and inoculum chambers



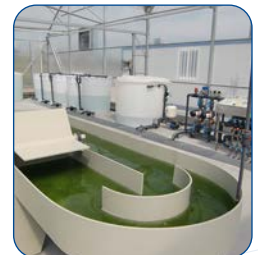
Bubble columns



Vertical flat photobioreactors



Tubular PBR



Raceway

Industrial production plant at Arcos de la Frontera (Cádiz)



Laboratories and inoculum chambers



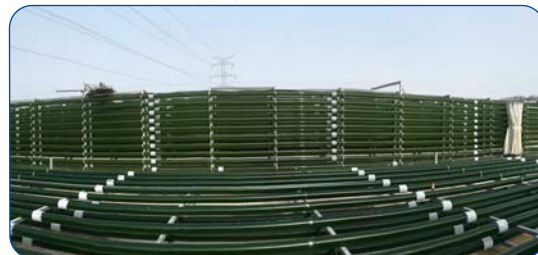
Biomass processing warehouse



Optimised next generation raceway



Vertical flat photobioreactors



The largest glass tubular photobioreactor in the world

The other plant is focused on large scale commercial production of microalgae. Located in Arcos de la Frontera (Cádiz), Spain, the plant uses CO₂ emissions from power generation to grow microalgae. This partnership with Iberdrola, a major global power generator, allows AlgaEnergy a huge advantage in producing a high quality, highly sustainable, lower cost product through the capture of CO₂ emissions from a natural gas power plant to grow our microalgae.



Bubble columns



SURETYMA



1.0-0-0.5

4.9%

Total L-Amino Acids

Surety MA is a microalgae based plant biofertilizer refined through a bioprocess utilizing **UPT® Technology**. It is specially formulated to optimally deliver **Algae Protein Hydrolysate*** to improve soils and crops by soil and/or foliar applications in combination with traditional crop inputs and practices.

- Compliment to conventional crop nutrition programs
- Natural and sustainable crop input
- Improves crop vigor, uniformity and resilience to stresses
- Improves crop quality and productivity
- Contributes to improved soil physical, chemical and biological properties




SURETYMA Organic

Coming Soon!

1.0-0-0.5

4.9%

Total L-Amino Acids

Surety MA Organic is a microalgae based plant biofertilizer refined through a bioprocess utilizing **UPT® Technology**. It is specially formulated to optimally deliver **Algae Protein Hydrolysate*** to improve soils and crops by soil and/or foliar applications in combination with traditional crop inputs and practices.

- Provides potent organic crop biofertility
- Natural and sustainable crop input
- Improves crop vigor, uniformity and resilience to stresses
- Improves crop quality and productivity
- Contributes to improved soil physical, chemical and biological properties
- Complements organic crop inputs




SURETY SOIL



3.0-1.5-1.5

5.1%

Total L-Amino Acids

SuretyMA Soil is a microalgae based plant nutrient obtained through a bioprocess utilizing **UPT® Technology**. It is specially formulated to efficiently deliver **Algae Protein Hydrolysate*** with crop irrigation.

- Natural and sustainable product
- Improves crop vigor, uniformity and resilience to stresses
- Improves crop quality and productivity
- Contributes to improved soil physical, chemical and biological properties
- Complements traditional crop inputs



PhytoMer™

Technology from
ALGAE ENERGY UPT®
by AE

PhytoMer™ Fruit



1.5-3.0-2.0

4.8%

Total L-Amino Acids

Phytomer Fruit is a microalgae based plant nutrient obtained through a bioprocess utilizing **UPT® Technology**. It is specially formulated with a high concentration of **Algae Protein Hydrolysate*** and micronutrients to support plant development during flowering and fruiting.

- Versatile microalgae crop input for soil and foliar application
- Natural and sustainable product
- Promotes development of reproductive plant tissue
- Formulated to improve fruit set, size and weight
- Improves fruit quality, uniformity and overall resilience to stresses
- Complements traditional crop inputs

Boron 0.8%

Zinc 0.6%



PhytoMer™ Growth



3.0-1.5-1.5

3.8%

Total L-Amino Acids

Phytomer Growth is a microalgae based plant nutrient obtained through a bioprocess utilizing **UPT® Technology**. It is specially formulated with a high concentration of **Algae Protein Hydrolysate*** and micronutrients to support plant development during vegetative growth.

- Versatile microalgae crop input for soil and foliar application
- Natural and sustainable product
- Improves crop vigor, uniformity and resilience to stresses
- Improves crop quality and productivity
- Contributes to improved soil physical, chemical and biological properties
- Formulated to enhance vegetative growth and support the development of quality fruit
- Complements traditional crop inputs

Ca 1.0%

Mg 0.5%

Fe 0.5%

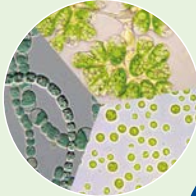
Mn 0.3%



* Protein Hydrolysate is defined as the organic material obtained by the hydrolysis of proteins to their constituent amino acids and short polypeptides.



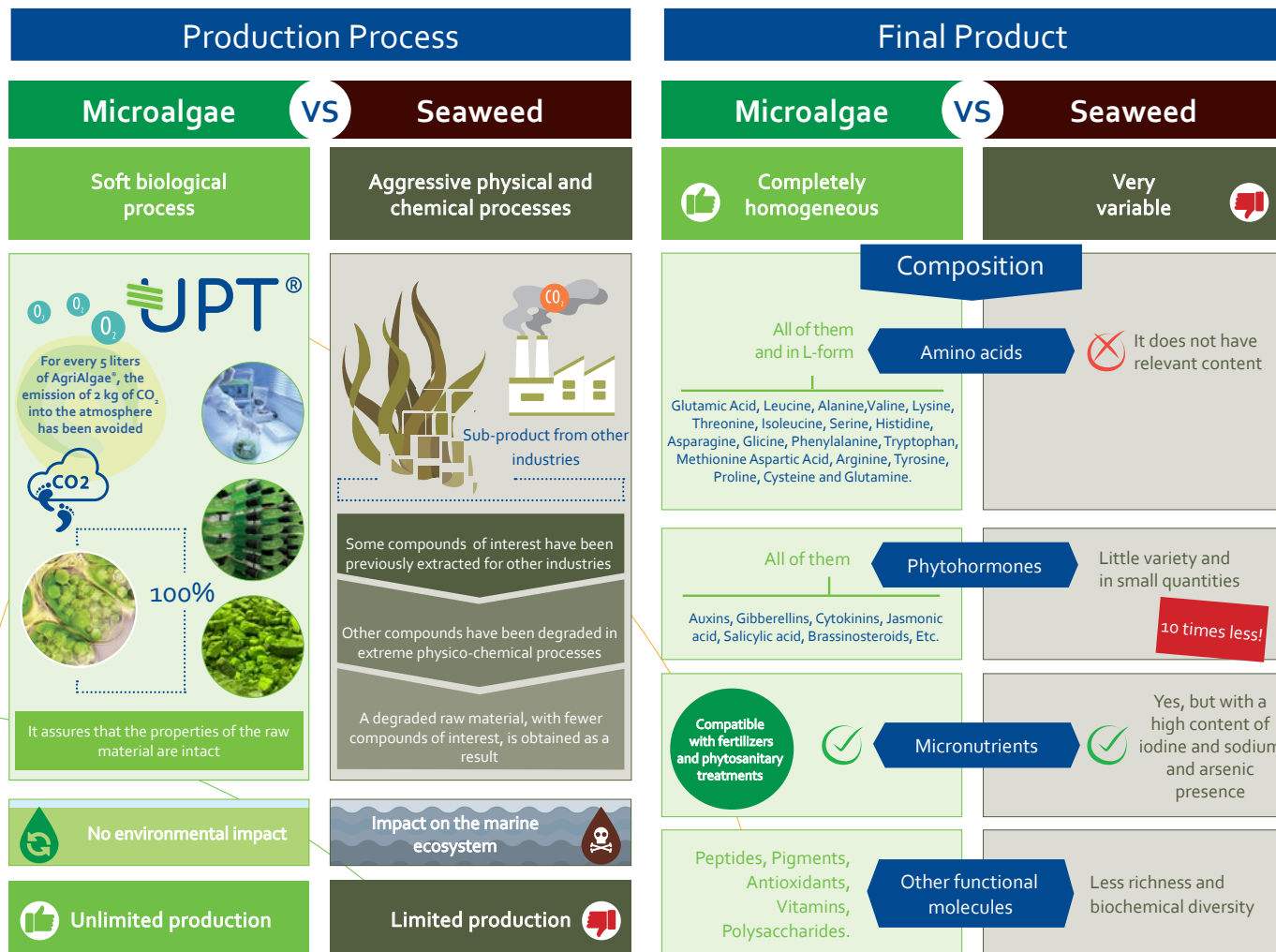
MICROALGAE are

Origin		Raw Material	
Microalgae	VS Seaweed	Microalgae	VS Seaweed
Cultivated in photobioreactors	Extraction of maritime coasts	Homogeneous composition	Very variable biochemical composition
		 Up to 15 times greater proteins content!	
Homogeneous raw material. Stable composition	Very heterogeneous raw material		
A 100% controlled environment, from the first cell to the final product	Exposed to contaminants	Proteins 50-60% depending on the microalgae strain	Proteins 5-9% depending on the type of seaweed
 Guaranteed quality	Great variations of content and quality	In just one cell	Multicellular organisms
 Absolute control	No control 	Microalgae contain everything that a plant may need to develop its vital functions	It only contains some compounds and in small amounts
		Biochemical richness can be guaranteed	The composition will vary depending on the part of the seaweed used



not

SEAWEED



External studies

With statistical significance support the effectiveness of AlgaEnergy biofertilizers

AlgaEnergy has proven through independent studies that AlgaEnergy biofertilizers comes out on top among solutions farmers can really trust in order to enhance crop yield.

One of these reports was carried out by Madrid's Institute for Rural and Agricultural Research and Development (iMiDRA) and confirms that AlgaEnergy's products provide the best results on crops such as

melon—for the second year in a row—, tomato and pepper, compared to other agricultural biofertilizers of reference in the market. In this case, the study compared AlgaEnergy biofertilizers microalgae biofertilizers with other market-leading products based on animal amino acids and biofertilizers made of seaweed.

The most significant findings were the following ones:

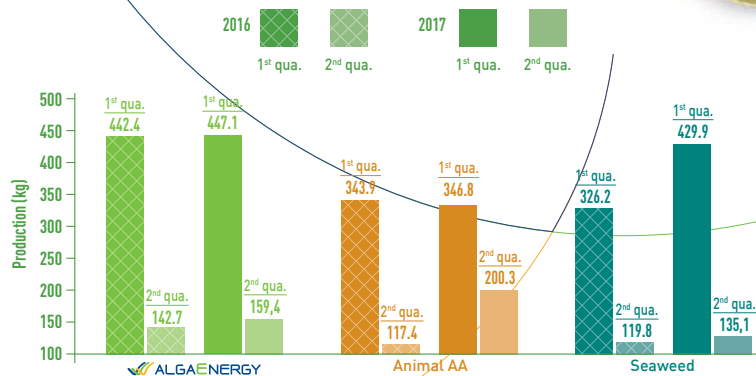
Comparative Trials

Melon cultivation

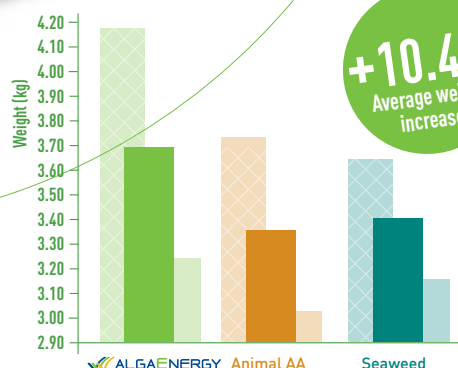


AGRIALGAE®
The best results for
the second
year in a row

1st and 2nd quality production (kg)

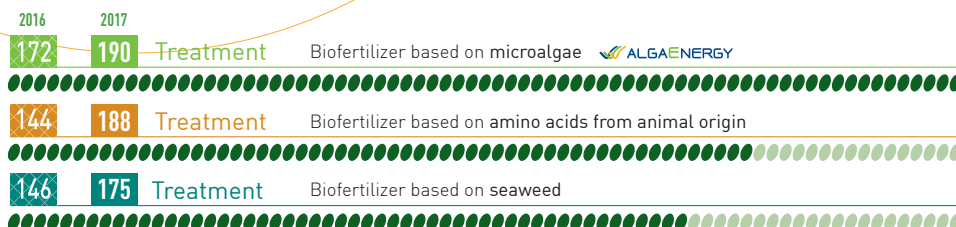


Average weight melons (kg)



+10.4%
Average weight
increase

Total yield (number of fruits)



Organoleptic properties
Global Appreciation

Animal AA **6.6**

Seaweed **6.6**

ALGAENERGY **7.5**

Comparative Trials

Tomato cultivation

Organoleptic properties

Global Appreciation

6.6

AA Animal

6.4

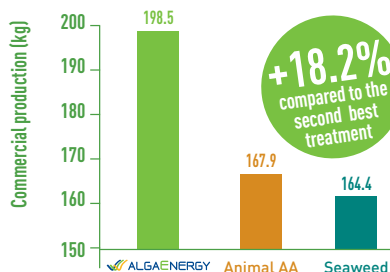
Seaweed

ALGAENERGY

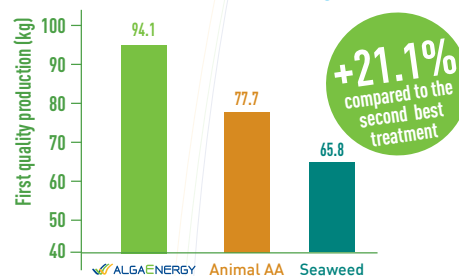
6.7



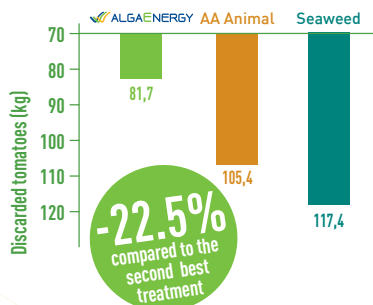
Commercial production (kg)



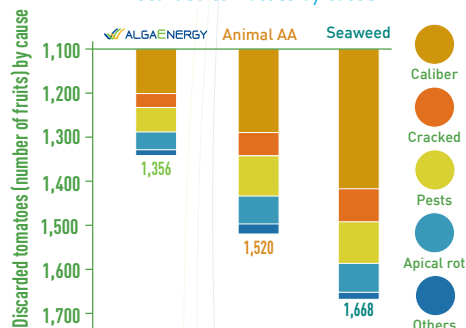
First quality production (kg)



Discarded tomatoes (kg)



Discarded tomatoes by cause



Comparative Trials

Pepper cultivation

Average weight of the peppers (g)

ALGAENERGY

AA Animal

Seaweed

318 g

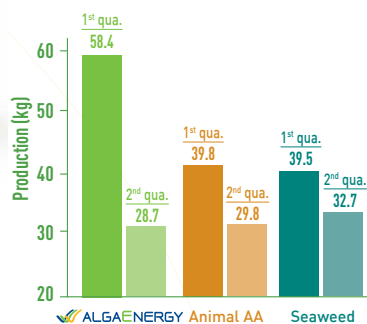
309 g

290 g

+10%
average weight
increase

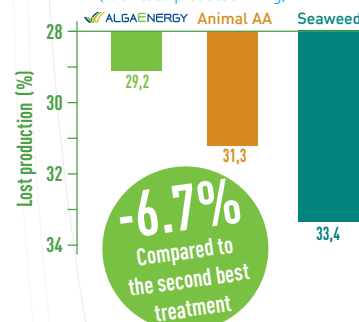


1st and 2nd quality production (kg)



Lost production

(% on total production in kg)



We collaborate with leading R&D centers and Universities

AlgaEnergy has R&D&I collaboration agreements with more than 130 companies, leading international research centers and some of the most outstanding universities in the world, such as:





For more information:

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