

# CYTOMEX™

*Nature's crop tonic*

## THE NATURAL CHOICE FOR CROP HEALTH, GROWTH & REPRODUCTION

Often imitated, never bettered.  
Seaweed is the original biostimulant.

### WHAT IS CYTOMEX?

In CYTOMEX 5-5-5, OMEX has co-formulated extracts from three species of seaweed to offer growers a high-quality, reliable nutrient package that's suitable for a wide range of crops.

Cytomex blends a conventional NPK fertilizer with a complex of essential nutritional, health, and stimulant compounds, for a multi-site, multi-action crop effect.

### POWERFUL EFFECTS

- Top and vegetative growth
- Root development
- Flowering and fruiting capacity

GOT QUESTIONS?

**559-661-6138**

OMEX AGRIFLUIDS USA  
1675 Dockery Avenue  
Selma CA 93662

Mail: [omexusa@omex.com](mailto:omexusa@omex.com)  
Web: [www.omexusa.com](http://www.omexusa.com)

**OMEX**®



### What can Cytomex do?

Cytomex provides growers with a natural crop 'tonic', packed with bio-compounds, vitamins and growth promoters. Used appropriately, Cytomex improves crop growth, vigor and reproduction, while boosting the crop's stress-fighting abilities.

### What crops respond to Cytomex?

All crops can benefit from the biostimulant and nutrient effects of Cytomex.

Fruit (top, soft, stone and vine) and vegetables display particularly favorable results.

### How do I use Cytomex?

Rate: ½ - 2 pints/acre  
Application: Foliar, or through all types of irrigation system  
Timing: Throughout the growing season, as required.

### How do I find out more about Cytomex?

The OMEX® team is always available to answer growers' queries and questions relating to optimizing crop nutrition.

Try our **website** first: [www.OMEXUSA.com](http://www.OMEXUSA.com)

**Email us** at [OmexUSA@Omex.com](mailto:OmexUSA@Omex.com)

or **call** 559-661-6138

**Or contact your local OMEX USA Territory Manager for more information and advice.**



## WHAT'S IN CYTOMEX?

Seaweed has a long history in agriculture, having long been used as a fertilizer and its ability to induce flowering and encourage strong fruit development.

But in its unprocessed form, results can be inconsistent. That's why OMEX uses a specialized extraction process to ensure an optimized, standardized output that reassures growers with uniform, reliable results.

Cytomex contains extracts from ***Ascophyllum nodosum***, ***Sargassum pallidum*** and ***Laminaria digitata***.

**A. nodosum** contains high levels of cytokinins, a plant hormone that not only promotes and regulates cell division, but also the plant's response to external environmental stress. Its other important compounds include gibberellin, a hormone that affects stem elongation, flower development and fruit ripening, and betaines. Betaines are particularly important in offering plants protection against osmotic stress, drought, high salinity and adverse temperatures.

**S. pallidum** Sargassum seaweeds serve as shelter, drawing in a tremendous variety of marine life and forming a unique structural habitat in the open ocean.

This contributes a range of important '**brown algal polyphenols**', a group of assorted biocompounds with diverse effects, including improved nutrient absorption and transport within the crop, and defense against plant pathogens such as bacteria, yeasts and fungi. They also contain a variety of important trace elements, such as iron, manganese, copper, molybdenum, magnesium and boron, and essential vitamins.

**L. digitata** contains a specific set of plant compounds, the seaweed polysaccharides. Among other benefits, these provide antioxidant and anti-bacterial capabilities. Two specific compounds are **laminarin** and **fucoïdan**. Laminarin is known as an elicitor – it possesses the ability to trigger a plant's immune response (to fungi, for example) by simulating defense enzymes with antimicrobial properties. It is attracting attention as a specific biostimulant. Fucoïdan also displays favorable biological activities.

All three species contain **alginate**: this acts as a chelating agent, further helping plants to absorb minerals from the soil.

OMEX AGRIFLUIDS USA  
1675 Dockery Avenue  
Selma CA 93662

Mail: [omexusa@omex.com](mailto:omexusa@omex.com)  
Web: [www.omexusa.com](http://www.omexusa.com)

CYTOMEX™ IS A TRADEMARK OF OMEX AGRIFLUIDS USA

**OMEX**®