

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?

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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

Email us at 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.

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