



**CATALYST  
AMINOS**

# THE BUILDING BLOCKS FOR PLANT GROWTH



New growth in plants is the result of proteins being built with amino acids. Plants also use some amino acids to drive photosynthesis, by which carbohydrates are converted into both energy and new proteins.

Commonly, Humic acid is used as a crop input, however amino acids are often considered, despite the critical role they play in potential plant productivity and plant resistance to environmental stresses.

**Catalyst Aminos** is an organic nitrogen fertilizer with 18 L-Amino acids, and is derived exclusively from vegetable proteins!

**Catalyst Aminos** is not salt based, but is 100% natural, and 100% effective.

## **Enhanced Microbial Activity**

There is little as powerful for enhancing microbial activity as amino acids. Providing essential “food” for microbes increases their population, which in turn, enhances the soil environment for strong plant growth. Microbes are critical for storage and release of nutrients in the root zone, providing plant-available nutrition that is often tied-up within the soil.

## **Enhances Plant Resistance To Stress**

Stress such as High temperature, Low humidity, Frost, Pest attack, Floods have a negative effect on plant metabolism with a corresponding reduction in crop quality and quantity. The application of Amino Acids before, during and after the stress conditions supplies the plants with Amino Acids which are directly related to stress physiology and thus has a preventing and recovering effect.



**Catalyst Aminos** supplies amino acid chelates specifically designed for application on plants. Amino acids are the basic building blocks of protein.

**Catalyst Aminos** contains 18 amino acids (including nine “essential” amino acids) and organic nitrogen (derived from vegetable proteins), which can be absorbed by plants very quickly. Treatment with this product enhances plant growth and productivity.

Moreover, it improves absorption through the roots, increases plant resistance to adverse condition (drought, frost, salinity, and other environmental stresses).

#### GUARANTEED ANALYSIS

Total Total Nitrogen (N).....4.00%  
Total Phosphorous (P).....1.00%  
Total Potassium (Cu) .....2.00%

Derived from: Protein Hydrolysate, Potassium Lactate

#### APPLICATION RECOMMENDATIONS

**Catalyst Aminos** can be soil or foliar applied. It may be tank mixed with other fertilizers or agricultural chemicals after conducting a jar test for compatibility. Always treat a small test area with any experimental blends to determine potential phototoxicity before making general applications.

**SOIL SPRAY** application: Apply 1 to 4 quarts per acre.



#### Catalyst Aminos Benefits

Improves absorption through the roots,  
increases plant resistance to adverse conditions

14% available organic nitrogen content

Odor is pleasant

Provides immediately available nitrogen and helps  
crops grow quickly

100% natural, 100% effective



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