

LIQUI-PLEX™ Zn

Amino acid complexing for improved plant uptake and rapid effect

Equipping plants with the framework of essential nutrients they require to flourish is a complex balancing act that requires more than a traditional fertilizer program.





Alltech is the world's largest producer of organic trace minerals and is recognized as a leader in natural complexing and chelation technology. Our global nutrition range utilizes the inherent complexing nature of amino acids to deliver a balanced source of essential nutrients in a uniquely bioavailable form, yielding a superior harvest without compromising the environment.



*Backed by plant
nutrigenomic research*

LIQUI-PLEX ZN is an amino acid complexing technology intended to quickly correct zinc (Zn) deficiencies that can occur from depleted soils.

Bioavailable zinc is essential for promoting certain metabolic enzyme systems, particularly during early growth stages. It is also vital for root development, as well as fruit and seed set.

-  Amino acids are a natural source of nitrogen and carbon.
-  Complexing with amino acids improves the bioavailability of fertilizers and minerals.
-  Amino acids are an environmentally friendly alternative to synthetic chelating agents.
-  Amino acid supplementation can aid recovery from herbicide stress.

GUARANTEED ANALYSIS

Zinc (Zn).....5.0%

Derived from zinc sulfate

Also contains:

Amino acids



Beneficial microbes and the metabolites they naturally produce can offer new, naturally derived alternatives to conventional chemicals. These products allow for consistent, sustainable crop production that doesn't compromise quality or profitability.



Alltech is a pioneer in nutrigenomics, the study of how plants naturally respond to nutrients and other bioactive compounds at a genetic level. This enables us to formulate fertilizers and biostimulants that activate natural plant mechanisms, optimizing plant health and performance for better quality and greater yields.

LIQUI-PLEX Zn recommendations for use

Foliar apply LIQUI-PLEX Zn at 1 L/hectare (0.4 L/acre) and repeat as necessary if deficiency persists. Dilute in a minimum of 100 L of water per hectare (40 L/acre). Spray either early or late in the day for maximum leaf absorption.

ZINC DEFICIENCY SYMPTOMS



POTATO



SOYBEAN



WHEAT

What are amino acids?

Building Blocks of Proteins

Amino acids are organic molecules that link with one another to form long polypeptide chains, which in turn form the various kinds of proteins present in all living organisms.

Plants must synthesize a continuous supply of the 22 proteinogenic (protein-forming) amino acids in order to properly grow and develop.

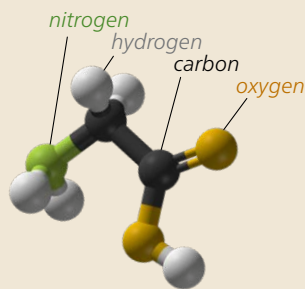
Complexing agents

Amino acids can also serve as an excellent organic complexing agent, binding with positively charged ions such as Mg and Ca to deliver these micronutrients in a highly bioavailable, environmentally friendly form. As a result, these water soluble complexed minerals can be quickly and easily absorbed, translocated and metabolized by plants.

Biological source of N and C

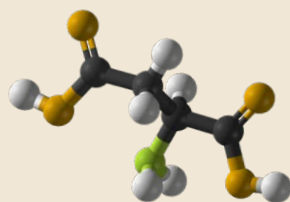
In addition to delivering critical micronutrients, every amino acid molecule also contains nitrogen and carbon molecules. Consequently, amino acids are commonly used to supplement or replace other nitrogen or carbon sources applied to soils and plants.

KEY AMINO ACIDS



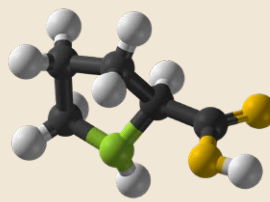
GLYCINE

High complexing power, aids in photosynthesis, precursor of chlorophyll.⁵



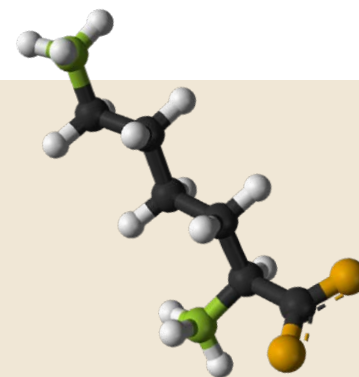
ASPARTIC ACID

Nitrogen source, essential for synthesis of other amino acids, important during early growth stages.⁷



PROLINE

Associated with resistance to fungal infection, essential for overcoming stresses such as drought, temperature extremes and salinity.⁸



LYSINE

Important plant nitrogen reserve, aids in chlorophyll activation, stomata regulation and pollen development.⁶

Contact your local UAP representative for more information or visit UAP.ca

Ontario & Maritimes: 1-800-265-5444
Quebec: 1-800-361-9369
Western Canada: 1-800-561-5444
British Columbia: 1-604-864-2866



Alltech
CROP SCIENCE