HELM CROP SOLUTIONS

TARGETED SUPPORT FOR SOYBEAN RESILIENCE

Amino acids and supplemental nutrition greatly enhance soybean development, particularly during early vegetative growth when plants are building their foundational structure. These inputs support efficient nutrient uptake, strengthen physiological processes and promote vigorous growth that leads to higher yield potential.

While early-season herbicide applications remain essential for weed control, they can occasionally contribute to temporary crop stress. Environmental factors like heat, drought or salinity may further challenge young plants, which makes timely nutritional support the key for maintaining plant resilience and optimizing performance throughout the growing season.

LIQUI-PLEX® ZnMnB

NATURAL AND EFFICIENT COMPLEXING AGENTS THAT ARE 100% USABLE BY THE CROP

Liqui-Plex® ZnMnB provides a targeted foliar blend of Zinc (3.0%), Manganese (3.0%) and Boron (0.5%) complexed with essential amino acids to help soybeans recover from abiotic stress and potential herbicide impact. Each nutrient plays a key role:

- Zinc (Zn) – Promotes enzyme activation and auxin synthesis that supports cell division and growth, especially under stressful conditions
- Manganese (Mn) – Aids chlorophyll production and antioxidant defense to help plants manage oxidative stress and maintain photosynthetic activity
- Boron (B) – Enhances cell wall strength and supports reproductive development that improves flower retention and pod formation

Applied during key growth stages or post-herbicide application, Liqui-Plex ZnMnB promotes faster stress recovery, improves nutrient uptake and sustains yields.

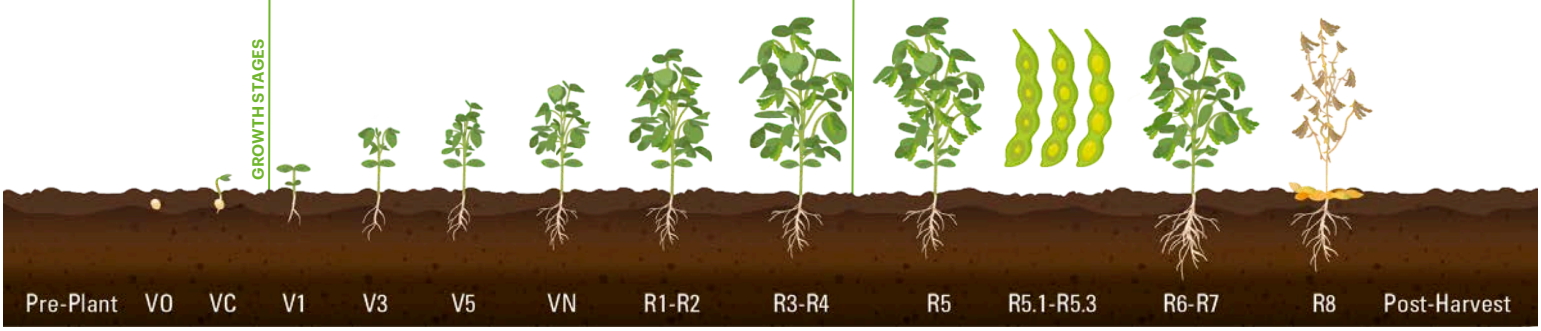
PERFORMANCE BENEFITS

Enhanced Stress Recovery: Supports faster recovery from abiotic stress and possible herbicide damage by boosting antioxidant activity and cellular repair mechanisms

Improved Nutrient Efficiency: Optimizes uptake and utilization of L-amino acids contained in the formulation during important growth stages

Promotes Yield Stability: Strengthens reproductive development and photosynthetic function, which leads to a more consistent pod set and seed fill under variable conditions

OPTIMAL LIQUI-PLEX ZNMNB APPLICATION TIMING



LIQUI-PLEX®
ZnMnB

Each amino acid serves a specific purpose in the plant. Below are four examples of key plant processes supported by individual amino acids:

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

GLYCINE
Aids in photosynthesis, a precursor in the biosynthesis of chlorophyll.

PROLINE
Essential for overcoming environmental stresses including drought, temperature extremes, salinity and more.

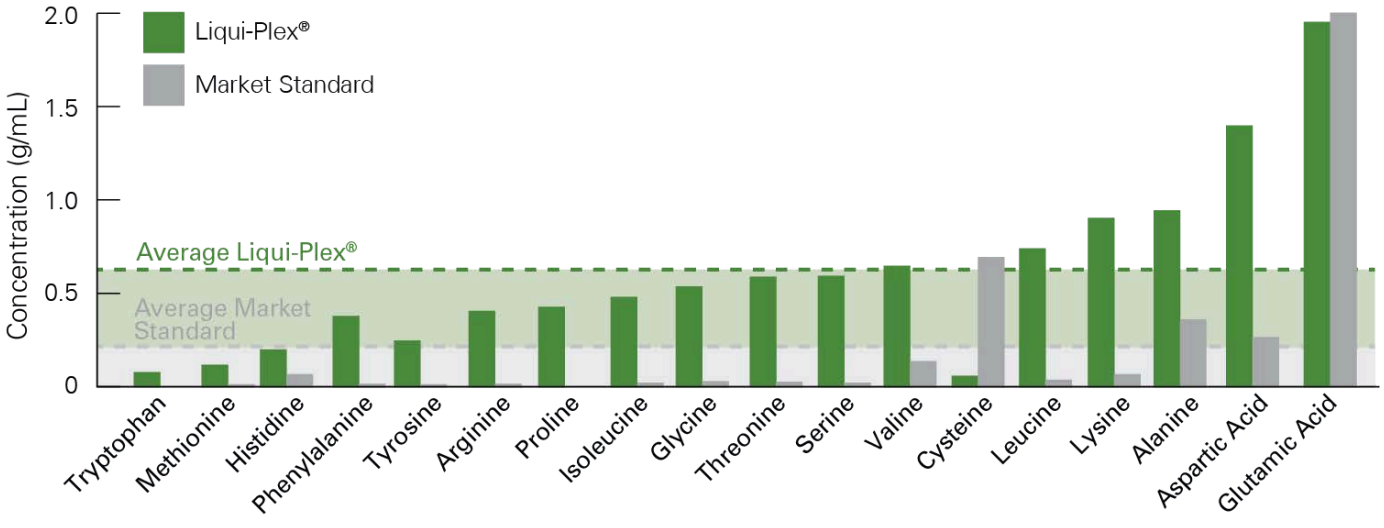
LYSINE
Important in plant nitrogen reserve, chlorophyll activation and senescence delay, stomata regulation and pollen development.

PRODUCT SPECIFICATIONS

Brand Name	**Liqui-Plex® ZnMnB**
Category	Biological (crop development and defense)
Active Ingredient	Zinc, Manganese, Boron plus Amino Acid Complex
Crops	All
Formulation	Liquid solution
Packaging	2x2.5 gal 264-gal tote
Applications Soybeans Other crops	 Vegetative Stages or R1 - R3 w/ foliar Until harvest, can be applied with most traditional application programs; talk to your HELM regional sales representative about crop-specific recommendations
Rate	Recommended at 16-32 fl oz/A

PLANT AVAILABLE AMINO ACIDS

Liqui-Plex® ZnMnB contains a 100% plant-available formulation of amino acids. Manufactured using a precise fermentation process, the quantities of amino acids are consistent in every batch, every time. Liqui-Plex Bonder is not a byproduct of other manufacturing processes. It is an intentionally produced amino acid product.



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For more information visit **HELMcrop.com**.

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