



## SUPER CHARGE YOUR SUGARCANE

Liqui-Plex® Bonder is a concentrated amino acid complex that optimizes nutrient availability and unlocks greater performance from your sugarcane fertility program. Its advanced amino acid complexing technology provides a sustainable alternative to synthetic chelators while enhancing the plant's ability to manage stress, maintain steady growth and rebound more quickly from herbicide impacts.

The result: stronger cane vigor, improved nutrient efficiency and more consistent sugar production all season long.



## LIQUI-PLEX® BONDER

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

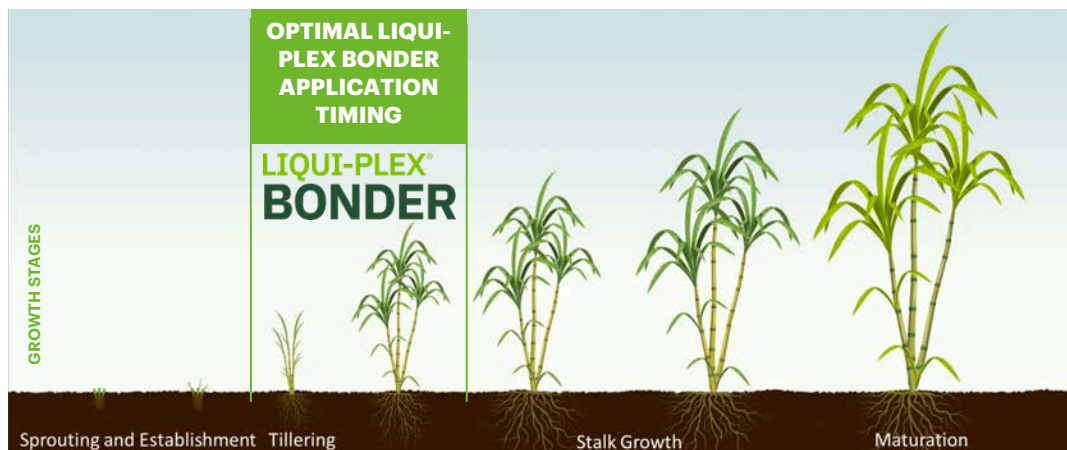
Breaking dormancy and moving into early growth is a stressful period for sugarcane as it restarts key processes like photosynthesis and root activity. This rapid reactivation strains the plant's resources and makes amino acids especially important.

Our amino acids act as efficient organic complexing agents that bind micronutrients in a plant-available, environmentally friendly form. These water-soluble minerals are quickly absorbed and metabolized, becoming fully usable in hours to support this crucial growth phase.

Minerals complexed with amino acids are available within hours—not days or weeks like other chelating or complexing agents.

### PERFORMANCE BENEFITS

- Compatible with most herbicide tank-mix partners and fertilizer products used in sugarcane programs
- Produced in a laboratory setting for high precision, uniformity and consistency with every batch
- Lower rates of nutrients required (L-amino acids pass straight through the leaf to allow nutrients to efficiently reach their target)
- Increased uptake of nutrients because L-amino acids, a key component of Liqui-Plex, are known to the plant; plants deliver them where needed quickly and effectively



# LIQUI-PLEX® BONDER

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

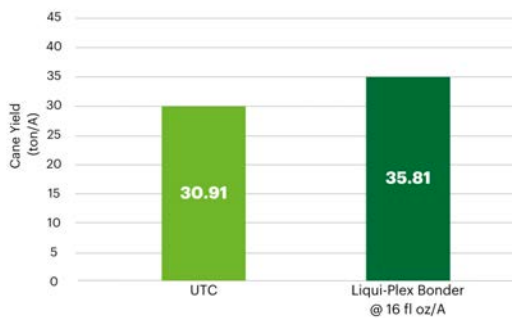
<b>Brand Name</b>	<b>Liqui-Plex® Bonder</b>										
<b>Category</b>	Biological (crop development and defense)										
<b>Active Ingredient</b>	Amino Acid Complex										
<b>Crops</b>	All										
<b>Formulation</b>	Liquid solution										
<b>Applications</b>	<table border="0"> <tr> <td>Sugarcane</td> <td>Early-to-mid greenup (w/ herbicide application)</td> </tr> <tr> <td>Corn</td> <td>Apply w/ side-dress N</td> </tr> <tr> <td>Wheat</td> <td>Apply w/ first Spring N application</td> </tr> <tr> <td>Soybeans</td> <td>R1 - R3</td> </tr> <tr> <td>Cotton</td> <td>First bloom</td> </tr> </table>	Sugarcane	Early-to-mid greenup (w/ herbicide application)	Corn	Apply w/ side-dress N	Wheat	Apply w/ first Spring N application	Soybeans	R1 - R3	Cotton	First bloom
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<b>Rate</b>	Recommended at 16 fl oz/A										

## PLANT AVAILABLE AMINO ACIDS

Liqui-Plex Bonder 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.

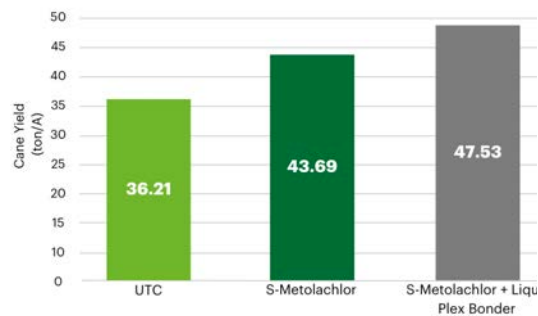
## SUGARCANE DEMO TRIAL

2025, Tambau, SP, Brazil



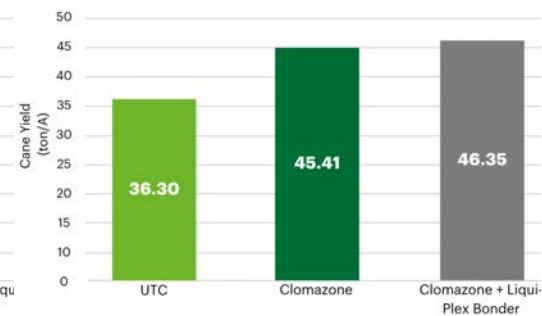
## SUGARCANE DEMO TRIAL

2024, Tambau, SP, Brazil



## SUGARCANE DEMO TRIAL

2023, Bataypora, MS, Brazil



For more information visit [HELLMcrop.com](https://www.HELLMcrop.com).

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